

INSTITUTIONAL ACCREDITATION SELF STUDY REPORT



Submitted to
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
(NAAC)

An Autonomous Institution of the University Grants Commission
P.O. Box No.1075, Agarbhavi
Bangalore-560072

By



KBTCE

Nashik District Maratha Vidya Prasarak Samaj's
Karmaveer Adv. Baburao Ganpatrao Thakare
College of Engineering, Nashik.

(Approved by AICTE, Affiliated to Savitribai Phule Pune University, Pune)
Udoji Maratha Boarding Campus, Gangapur Road, Nashik-422013,
Maharashtra.

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COVERING LETTER FROM HEAD OF THE INSTITUTION



Affiliated to University of Pune
& Approved by AICTE New Delhi

NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S Karmaveer Adv. Baburao Ganpatrao Thakare **COLLEGE OF ENGINEERING**

Udoji Maratha Boarding Campus, Near Pumping Station Road, Gangapur Road,
Nashik-422 013, Maharashtra - India
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REF: NDMVPS/KBTCE/OFFICE/ 1591 /2016-17

DATE: 09/01/2017

To,
The Director,
National Assessment & Accreditation Council,
P. O. Box No. 1075, Nagabhavi,
Bangalore – 560072

Subject : Submission of Self Study Report (SSR)

Respected Sir,

We are herewith submitting the Self Study Report (SSR) of NDMVPS Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Gangapur Road, Nashik-422013 (Maharashtra). We would like to inform you that, the copy of SSR is also uploaded on our institute website on 09/01/2017 for your kind perusal.

www.kbtcoe.org

http://kbtcoe.org/wpcontent/uploads/2017/01/NDMVPS_KBTCE_NAAC_SSR_201617.pdf

You are kindly requested to accept our SSR for further processing.

This is for your kind information & consideration please.

Date : 09/01/2017

Place : Nashik



Dr. K. S. Holkar

Principal

M.V.P. Samaj's K.B.G.T. College of Engineering,
Udoji Maratha Boarding Compound
Gangapur Road, Nashik- 422 013

LIST OF ABBREVIATIONS

ABAP	Advanced Business Application Programming
AC	Air Conditioners
ACES	Association of Computer Engineering Student
AICTE	All India Council for Technical Education
AMC	Academic Monitoring committee
ARC	Application Receiving Center
ASCE	The American Society of Civil Engineers
ASME	American Society of Mechanical Engineers
BCUD	Board of College and University Development
BoS	Board of Studies
CAP	Centralized Admission Process
CESA	Civil Engineering Student Association
CRT	Cathod Ray Tube
CSI	Computer Society of India
CSI-ACE	Computer Society of India -Association of Computer Engineers
Dept.	Department
DTE	Directorate of Technical Education
DST	Department of Science & Technology
E & TC	Electronics & Tele-Communication
ED	Employment Development
ERP	Enterprise Resource Planning
FDP	Faculty Development Program
GATE	Graduate Aptitude Test
HoD	Head of Department
HRD	Human Resource Development
IAB	Industry Advisory Board
IAENG	International Association of Engineers
ICONS	Instrumentation and Control Student Association
ICT	Information and Communications Technology
IEEE	Institute of Electrical and Electronics Engineers
IEI	Institution of Engineers India
IET	Institution of Engineering and Technology
IETE	Institution of Electronics and Telecommunication Engineers
IIC	Industry Institute Interaction cell
IIT	Indian Institute of Technology
IoE	Institute of Education
ISA	Instrumentation Systems and Automation
ISO	International Organization for Standardization
ISOI	Instrument Society of India
ISRMTT	Indian Society for Rock Mechanics and Tunneling Technology
ISTE	Indian Society for Technical Education
ITI	Industrial Training Institute

ITSA	Information Technology Student Association
KBTCOE	Karmaveer Advocate Baburao Ganpatrao Thakare College of Engineering
LAN	Local Area Network
LCD	Liquid Crystal Display
LED	Light Emitting Diode
LPD	Liters Per Day
MBA	Masters of Business Administration
MCA	Master of Computer Applications
ME	Masters of Engineering
MESA	Mechanical Engineering Student Association
MHRD	Ministry of Human Resource Development
MoU	Memorandum of Understanding
NMEICT	National Mission on Education through Information and Communication Technology
NPTEL	The National Programme on Technology Enhanced Learning
NRI	Non-Resident Indian
NSS	National Service Scheme
OBE	Outcome Base Education
OHP	Over Head Projector
OPAC	Online Public Access Catalog
PAES	Progressive Association of Electronics and telecommunication student
PBL	Project Based Learning
PEO	Program Educational Objectives
PG	Post Graduate
PO	Program Outcome
PUC	Pollution Under Control
PV	Photo- Voltaic
QIP	Quality Improvement Programme
R&D	Research and Development
SAE	Society of Automotive Engineers.
SAP	Systems, Applications, Products
SPPU	Savitribai Phule Pune University
SPV	Solar Photo Voltaic
STTP	Short Term Training Program
TA/DA	Travelling Allowance and Dearness Allowance
TPO	Training and Placement Officer
UG	Under Graduate
UPS	Uninterrupted Power Supply

NAAC STEERING COMMITTEE

Sr No	Name of Staff Member	Designation	Designation for Steering Committee
1	Dr. K. S. Holkar	Principal	Chairman
2	Dr. N. S. Patil	Vice Principal	Vice Chairman
3	Prof. V. C. Shewale	Associate Professor	Coordinator
4	Prof. B. N. Shinde	Associate Professor	Co-coordinator
5	Prof. R. R. Shewale	Assistant Professor	Member
6	Prof. S. V. Bachhav	Assistant Professor	Member
7	Dr. S. J. Kokate	Assistant Professor	Member
8	Prof. S. P. Jadhav	Assistant Professor	Member
9	Prof. S. M. Waysal	Assistant Professor	Member
10	Prof. Y. P. Patil	Assistant Professor	Member
11	Mrs. R. Y. Khairnar	Registrar	Member
12	Mr. R. D. Aher	Office Superident	Member

PREFACE

It gives me immense pleasure to present the Self- Study Report (SSR) of NDMVPS's K. B. T. College of Engineering, Nashik to the National Assessment & Accreditation Council (NAAC), Bangalore for assessment and accreditation. The report has been prepared with utmost care and as per the guidelines given by NAAC. The report comprises three sections: Section I - Profile of the Affiliated College, Section II - Criterion-Wise Inputs, Section III- Evaluative Report of the Departments.

The college is established in 1999 having 7.5 acres in the heart of Nashik city called as Udoji Maratha Boarding Campus Gangapur Road Nashik. The college has well equipped laboratories, workshop & hostel facilities along with LAN, Internet, Wi-Fi & required software's. The college at present provides four-year Bachelor's Degree Courses in Engineering affiliated to Savitribai Phule Pune University. The various under graduate courses are Mechanical, Computer, Instrumentation and Control, Electronics and Telecommunication, Civil, Information Technology. Also post graduate courses in M.B.A, M.C.A, M.E (Civil- Construction Managment) and M.E. (Mechanical- Design Engineering)

We are committed to impart quality engineering education and create opportunities for urban and rural students to become able engineers and technocrats. This accreditation process will provide us an opportunity to know our strengths and weaknesses and to implement the suggestions given by the peer team.

It was difficult to complete this self-study report without the cooperation of entire team of KBT College of Engineering. At first, I would like to thank the members of the Steering Committee, the Heads of the Departments, the faculty and staff for their contribution in the preparation of SSR. I take this opportunity to thank our Management for their whole hearted support for this endeavor.

We are eagerly looking forward to welcome the peer team in the beautiful premises of K. B. T. College of Engineering, Nashik.

Dr. K. S. Holkar
Principal

EXECUTIVE SUMMARY

Criterion I: Curricular Aspects

NDMVPS's KBTCOE is an Institute affiliated to Savitribai Phule Pune University (SPPU). Institute's senior faculty members contribute their efforts in designing and developing curriculum at University level. Curriculum is designed and developed in consultation with industry experts, professional bodies to bridge the gap between academia and industry. The Institute received fund under BCUD/QIP schemes for various programmes for improving teaching practices and translating curriculum. The Institute provides ICT facility, smart classroom, well-equipped laboratories, e-learning resources, Internet connectivity with 155 Mbps, NMEICT center, Aakash and R & D center. The Institute has adopted and developed Outcome Base Education (OBE) framework for effective curriculum delivery and transaction on the curriculum provided by the University. The Institute has developed and mapped components like Program Educational Objectives (PEO), Program Outcomes (PO), Course objectives and Course Outcome (CO). Institute has done the mapping of each course outcome with the Program Outcomes to evaluate and achieve the teaching learning outcome. The Institute interacts with industries to identify the regional and global employment need, as well as conduct skill oriented programmes for students to make them industry ready. The Institute has started innovative programme MVP SAP which focus on improving employability skill among students. The Institute also provides value added programmes to make students employable and to increase life skill in students. Apart from curriculum skill oriented programmes are conducted and students have given academic flexibility to achieve their goals and objectives. The Institute has developed ERP system to monitor and facilitate the academic curriculum as well as overall functioning of the Institute. At the Institute level feedback are taken periodically from stakeholders and their statistical analysis is carried out by Academic Monitoring Committee (AMC) to achieve curriculum enrichment.

Criterion II: Teaching-Learning and Evaluation

The Institute follows rules, regulations and guidelines specified by DTE. The Institute participates in centralized admission process (CAP) conducted by DTE by a transparent, well-administered mechanism, complying with all the norms of the concerned regulatory/governing agencies including state and central governments. Institute takes efforts to serve students of different back grounds and abilities, through effective teaching-learning experiences. The Institute follows government policies, rules & regulation specified by SPPU to cater to the needs of differentially-able students by providing facilities like Lift, Ramp. Institute assess the needs of students' in terms of knowledge, skills and conducts various soft skill classes, Expert Lectures, value added courses like SAP, PMKVY, guidance for competitive exams like GATE, Civil Services. Institute has established Training and Placement (T&P) cell & tutor/mentor scheme for students which provides academic support, personal and psycho - social support, guidance services, individual level counseling. Institute organizes conference, seminars, workshops, industrial visits, technical events like MECHANZA, INSTRUBOTICS, ELICIT, KSHITIJ, Poster competitions for students to expose their advanced level of knowledge and skills. Institute has Design Innovation Center (DIC), Aakash R&D and Remote Center , NMEICT Remote Center (IIT Mumbai), Automation Center, Young Engineers Lab to develop innovative & scientific temper among students & staff. Institute encourage faculty to adapt innovative teaching methods by organizing FDP & expert lectures. Various innovative

teaching methods adopted by the faculty like brain storming, group discussions, puzzle solving, case studies for effective teaching-learning. The faculty is encouraged to participate in training programmes /workshops/ seminars/conferences/FDPs to update knowledge and develop professional skills by providing duty leaves, registration fees etc. Institute has facilities like ICT enabled classrooms & labs, Internet (155 MBPS) facility, Wi-Fi Campus, Digital Library, NPTEL videos, e-Journals to enhance the teaching learning process. Institute has well organized teaching learning process. Institute has Academic Monitoring Committee (AMC) to monitor all the Academics, student performance, overall teaching learning process to achieve maximum academic performance of the students & institutional progress in quality education. Institute has also developed ERP system to monitor & facilitate the academics as well as overall functioning. Institute has effectively implemented the evaluation reforms of the SPPU. Institute has assigned Chief Exam Officer (CEO) for smooth conduction of University exam by providing a good IT infrastructural support. This evaluation process is reformed and is being evolved continuously. Institute has adopted effective formative & summative assessment process to evaluate attainment levels of student learning outcomes. Institute has implemented OBE as per the requirement. Institute has developed PEO, PO, CO, which are in accordance with the University. Institute has done mapping of the courses with PO. Institute regularly monitors the attainment of the same by an effective teaching learning & evaluation process and infrastructure to meet the above requirements.

Criterion III: Research, Consultancy and Extension

The Institute promotes research culture amongst the faculty as well as students by facilitating and motivating them to participate in research and related activities. The institute has Aakash R&D Center, NMEICT Remote Center (IIT Mumbai) and First Design & Innovation Center – Spoke Center (in association with Savitribai Phule Pune University and MHRD New Delhi). The Dean R&D cell of the institute creates conducive environment for promotion of Research, Innovation and Consultancy activities in the Institute. Faculty and students are encouraged to publish their research work in reputed journals and conferences. Institute faculties have published total 139 papers in international journals and 8 papers in national journals. Faculty has presented total 106 papers at international conferences and 35 at national conferences in last four years. For up gradation of faculty and students knowledge 21 workshops, 03 Faculty Development Programs and 10 seminar programs were conducted in last four years. Students are also actively involved in innovative projects and participating in various competitions. State-of-art research facility and journals are available at the Institute to promote the research. Institute offers SAP certification courses. Institute has signed total 36 Memorandum of Understanding (MoU's) with the industries. To inspire faculty and students, Institute organizes meetings and interactions with eminent scientists and industrial persons by inviting them for expert talk. Institute has established First Automation Training Centre in collaboration with FOX Controls, Nashik. Currently six BCUD-SPPU minor research projects are ongoing and one SERB-DST, Govt. of India major project is ongoing whereas, four BCUD minor research projects are completed. Consultancy work of rupees 5.58 lakhs completed in last four year and this year around 65 lakhs consultancy work is under progress. To develop social responsibility, Institute has established National Service Scheme unit in 2004. NSS unit arranged the seven day residential camp in which almost 75 students (both boys and girls) participate to inculcate social responsibility.

Criterion IV: Infrastructure and Learning Resources

Our Institute has got a beautiful campus and has distinctive architecture, which is located at the heart of Nashik city. Infrastructure at the campus is fully furnished and well equipped as per the requirements of AICTE norms. Our management always tries to provide the best infrastructure for the ease of teaching learning process for the faculty members and students. Infrastructure is build by keeping student as centre of focus. Care has always been taken in proper functioning of the various student activities. Maintenance of the infrastructure and equipment is carried out periodically to assure the best performance and quality functioning.

Institutes consist of various buildings among them building, 'A' as administrative office at the ground floor, library is on first and second floor, MBA department on third floor and MCA department on fourth floor. The building 'B' with Mechanical department on ground and first floor, Computer department on second and third floor. Building 'C' with Civil department on ground and first floor, Instrumentation and Control department on second floor, E&TC department on third and fourth floor and IT department on the fifth floor. All the class rooms are ICT enabled and various techniques are used for teaching. Girls Hostel is located inside Institute campus. Institute provides all the required amenities for the comfortable environment at the campus. Institute has in-campus cafeteria with appropriate food quality. Playground & Gymnasium is available for students to show their sports caliber in various sport competitions. The various security provisions are made available to maintain safety and discipline in campus. Total campus is kept under CCTV surveillance. Hence, Institute meets the entire infrastructure requirement for the proper functioning of the engineering education process.

Criterion V: Student Support and Progression

Institute plays key role for student support and progression in various ways throughout the completion of course. Once the student's admits in the Institute, leaflet/ Prospectus are provided to know all about the institute. Institute helps the students regarding scholarship issued by the various government organizations. Institute provides academic support and facilities to SC/ST, OBC, EBC etc, and physically disable students. Institute takes initiative for over all development of students. Institute has established Tutor/Mentor scheme for counseling and motivating students to participate in various competitions. The TPO of Institute plays an important role for employability of student in various organizations. Institute has different dedicated grievance cells to resolve the issue of students. Institute has alumni association to preserves a better relationship. Institute has strong academics in the university. Institute conducts various curriculum enrichment programme for students to face the industry challenges. Institute has balanced facilities for academic and extracurricular activities. Institute has well equipped gymkhana. Institute also focuses on improvement of quality through a feedback system. Institute publishes "Abhivyakti" collage magazine to highlights the achievements of students and represent their skills other than academic. Institute has student council, student parliament and various department student associations for enhancement of overall skills.

Criterion VI: Governance, Leadership and Management

All the UG and PG courses offered by the Institute are defined with the specific objective. Our management has stated clear vision and mission for the benefit of common masses. Institute has well defined organization structure which clearly indicates transparent academic and administrative functioning. Institute has implemented effective feedback mechanism to improve the overall quality of

institutional growth. Institute has policies for recruitment, performance appraisal, and welfare schemes for staff. Feedback and appraisal are implanted for corrective measures. Institute has established transparent procedures and process for planning and allocation of financial resources. Institute has budgetary provisions for academic and administrative activities. Every year, financial audit is carried out by external agencies. Institute has taken various initiatives for resource mobilization in research, consultancy and innovation amongst the staff. Institute has academic monitoring committee to monitor all the academics, students' performance, overall teaching learning process to achieve maximum academic performance of the students and institutional progress in quality education. IQAC is not presently implemented; its work is carried out by academic monitoring committee.

Criterion VII: Innovations and Best Practices

The Institute and management are well conscious about environmental issues. The Institute is much sensitive for making the eco-friendly campus by adopting certain measures and practices. The Institute has been appreciated and awarded for "green building" initiative. The Institute has done green audit of campus. The Institute has taken due care for less energy consumptions, including electronic ballast tube lights, electronic regulators for fans, minimum use of AC's, buy-back schemes etc. Institute has implemented renewable practices in campus such as solar parking lights, solar water heater etc. The Institute has implemented rain-water harvesting, which has significantly contributed to increase ground water levels and water expenses. This system is also useful for bore/ well recharging. The Institute adopts distributed parking areas for staff, students and visitors, arranges PUC camp, no vehicle day, wormy compost plant for organic waste management etc to reduce carbon neutrality. The Institute adopted tree plantation policy name as "One Student, One Tree". E-waste management of biomedical lab instruments and UPS batteries are exchanged by buy-back schemes. The Institute adopted different innovative practices such as Industry Advisory Board, e-learning and appreciation awards. Institute appreciates students during annual function for remarkable achievements in curricular and extra-curricular activities. The Institute motivates students to participate in university state level project competition like "Avishkar". The Institute has Design Innovation Centre, Robotics and Automation lab, E-governance with educational ERP software and various clubs for overall developments of students. The Institute promotes students to participate intra-department competitions like SAE SUPRA, Idea Sparks etc. The best practices of Institute include industry practices, collaborative counseling, mentoring practice, student parliament and research based practices. Industry practices bridge the gap between academic curriculum and industry expectations. Collaborative counseling, mentoring practice and student parliament is used to develop effective mentoring relationship that is characterized by mutual respect, trust and transparency. Professional counseling includes goal setting exercises, time management, asking thought-provoking key questions and study skills etc. Research based practices are used to motivate the faculty and student to conduct research activities. Institute organizes conferences, workshops, seminars and departmental technical events to create awareness among faculty and students about emerging trend in engineering and technology.

SWOC - ANALYSIS

Strengths: <ul style="list-style-type: none">• Well Equipped Infrastructure• Visionary Management• Adequate Highly Qualified staff• Centrally Located Campus• Better Academic Result• Systems in Place• Funded R & D Projects• Wi-Fi Campus• Campus under CCTV surveillance• DIC & SAP Centre• MoU's• Industry Institute Interactions• ICT enabled Classrooms• e- Journal resources• Transparent and Discipline Campus• Tobacco Free Campus	Opportunities: <ul style="list-style-type: none">• To Start Research Center & PG Courses• Interdisciplinary R & D Projects• Resource utilization can be enhanced• Good International Collaborations• PMKVY / State Government Skill Development Programs can be enhanced
Weaknesses: <ul style="list-style-type: none">• Research Centre• Collaborations• International Accreditation	Challenges: <ul style="list-style-type: none">• To improve placements• Academic System Development• Collaboration with Industry

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Profile of the Affiliated / Constituent College

1 Name and Address of the College:

Name:	Nashik District Maratha Vidya Prasarak Samaj's Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering	
Address:	Nashik District Maratha Vidya Prasarak Samaj's Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering Udoji Maratha Boarding Campus, Near Pumping Station Gangapur Road, Nashik	
City: Nashik	Pin: 422013	State: Maharashtra
Website: www.kbtcoe.org		

2 For Communication:

Designation	Name	Mobile	E-mail
Principal	Dr. K. S. Holkar	9822379056	principal@kbtcoe.org
Vice Principal	Dr. N. S. Patil	9922420198	viceprincial@kbtcoe.org
Steering Committee Coordinator	Prof. V.C. Shewale	9860190034	deanacademic@kbtcoe.org

Telephone with STD code	O: 0253-2571439, 2582891
Fax	0253-2317016

3 Status of the Institution:

Affiliated College	√
Constituent College	
Constituent College	

4 Type of Institution:

a. By Gender

i	For Men	
ii	For Women	
iii	Co-education	√

b. By Shift

i.	Regular	√
ii.	Day	
iii.	Evening	

5 It is a recognized minority institution?

Yes	
No	√

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

NA

6 Sources of funding:

Government	
Grant-in-aid	
Self-financing	√
Any other	

7

- a. Date of establishment of the college: 23/07/1998 (dd/mm/yyyy)
 b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

Savitribai Phule Pune University

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	NA	NA
ii. 12 (B)	NA	NA

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section/ clause	Recognition/Approval details Institution/ Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.	AICTE	25-04-2016	One Academic year (2016-17)	

(Enclose the recognition/approval letter)

8 Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9 Is the college recognized

a. By UGC as a College with Potential for Excellence (CPE)?

Yes No

If yes, date of recognition:NA..... (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes No

If yes, Name of the agency AICTE, New Delhi

Date of recognition: 28/07/1998 (dd/mm/yyyy)

10 Location of the campus and area in sq.mts:

Location *	Urban
Campus area in sq. mts	43838 sq.m.
Built up area in sq. mts	24905 sq.m

(* Urban)

11 Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

i.	Auditorium/seminar complex with infrastructural facilities	<input checked="" type="checkbox"/>	
ii.	Sports facilities	<input checked="" type="checkbox"/>	
	play ground		<input checked="" type="checkbox"/>
	swimming pool		<input type="checkbox"/>
	gymnasium		<input checked="" type="checkbox"/>

iii.	Hostel		√
	Boys' hostel		√
	1	Number of hostels	01
	2	Number of inmates	50
	3	Facilities (mention available facilities) Well-furnished room with table chair and cupboard	√
	Girls' hostel		√
	1	Number of hostels	01
	2	Number of inmates	232/240
	3	Facilities (mention available facilities) Well-furnished room with table chair and cupboard	√
	Working women's hostel		NA
	1	Number of hostels	NA
	2	Number of inmates	NA
	3	Facilities (mention available facilities)	NA
iv.	Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)		NA
v.	Cafeteria		√
vi.	Health Centre First aid, Inpatient, Outpatient, Emergency care facility, Ambulance Health Centre staff Qualified doctor Full Time <input type="text" value="NA"/> Part Time <input type="text" value="√"/> Qualified Nurse Full Time <input type="text" value="NA"/> Part Time <input type="text" value="√"/>		√
vii.	Facilities like banking, post office, book shops		√
viii.	Transport facilities to cater to the needs of students and staff		√
ix.	Animal house		NA
x.	Biological waste disposal		√
xi.	Generator or other facility for management/regulation of electricity and voltage.		√
xii.	Solid waste management facility		√

xiii.	Waste water management	√
xiv.	Water harvesting.	√

12 Details of programmes offered by the college (Give data for current academic year)

Sr. No	Progra -mme Level	Name of the Programme/ Course	Dura- tion	Entry Qualifica - tion	Medium of instruct- ion	Sanction- ed/ Approv- ed Student strength	No. of students admit- ted
1	Under-Gradua te	Mechanical Engineering	4 Years	HSC Science (50% Marks in PCM)	English	120	116
2		Computer Engineering	4 Years	HSC Science (50% Marks in PCM)	English	60	63
3		Information Technology	4 Years	HSC Science (50% Marks in PCM)	English	60	53
4		Electronics and Telecommunicat ion Engineering	4 Years	HSC Science (50% Marks in PCM)	English	60	42
5		Instrumentation and Control Engineering	4 Years	HSC Science (50% Marks in PCM)	English	40	12
6		Civil Engineering	4 Years	HSC Science (50% Marks in PCM)	English	60	60
7	Post-Gradua te	M.E. (Design Engineering)	2 Years	B.E	English	24	17
8		M.E.(Constructi on Management)	2 Years	B.E	English	24	24
9		Master of Business Administration	2 Years	Graduate in any discipline with minimum 50 % marks	English	60	60
10		Master of Computer Applications	3 Years	Graduate in any discipline with minimum 50 % marks	English	60	0

13 Does the college offer self-financed Programmes?

Yes No

If yes, how many?

14 New programmes introduced in the college during the last five years if any?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	02
-----	-------------------------------------	----	--------------------------	--------	----

15 List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science				
Arts				
Commerce				
Any Other (Specify)	Mechanical Engineering	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Computer Engineering	<input checked="" type="checkbox"/>		
	Instrumentation & Control Engineering	<input checked="" type="checkbox"/>		
	Electronics & Telecommunication Engineering	<input checked="" type="checkbox"/>		
	Civil Engineering	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
	Information Technology Engineering	<input checked="" type="checkbox"/>		
	M.B.A		<input checked="" type="checkbox"/>	
	M.C.A		<input checked="" type="checkbox"/>	

16 Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

a.	annual system	
----	---------------	--

b.	semester system	10
c.	trimester system	

17 Number of Programmes with

a.	Choice Based Credit System	01
b.	Inter/Multidisciplinary Approach	
c.	Any other (specify and provide details)	UG-06 PG-03

18 Does the college offer UG and/or PG programmes in Teacher Education?

Yes No

If yes,

a. Year of Introduction of the programme(s)..... (dd/mm/yyyy)
and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.:

Date: (dd/mm/yyyy)

Validity:.....

c. Is the institution opting for assessment and accreditation of Teacher Education

Programme separately?

Yes No

19 Does the college offer UG or PG programme in Physical Education?

Yes No

If yes,

a. Year of Introduction of the programme(s)..... (dd/mm/yyyy)
and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.:

Date: (dd/mm/yyyy)

Validity:.....

- c. Is the institution opting for assessment and accreditation of Physical Education

Programme separately?

Yes

No

20 Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC / University / State Government <i>Recruited</i>	05	--	15	03	61	38	48	12	44	16
<i>Yet to recruit</i>							--		--	
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	--	--	--	--	04	01	--	--	--	--
<i>Yet to recruit</i>							--		--	

*M-Male *F-Female

21 Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	05	00	04	01	03	--	13
M.Phil.	--	--	--	--	--	--	--
PG	--	--	11	02	58	38	109
Temporary teachers							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
BE	--	--	--	--	04	01	05
Part-time teachers							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--

22 Number of Visiting Faculty /Guest Faculty engaged with the College.

12

23 Furnish the number of the students admitted to the college during the last four academic years.

Categories	Year 2015-16		Year 2014-15		Year 2013-14		Year 2012-13	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	25	14	19	10	21	17	16	23
ST	9	4	10	6	11	8	6	8
OBC	126	102	93	82	110	94	83	88
General	115	76	130	86	130	80	155	90
Others	29	20	24	24	29	15	33	27

24 Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	1720	215	-	-	1935
Students from other states of	22	5	-	-	27

India					
NRI students	0	0	-	-	0
Foreign students	0	0	-	-	0
Total	1742	220	-	-	1962

25 Dropout rate in UG and PG (average of the last two batches)

UG PG

26 Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

a. Including the salary component

b. excluding the salary component

27 Does the college offer any programme/s in distance education mode (DEP)?

Yes No

If yes,

a) is it a registered centre for offering distance education programmes of another University NA

Yes No

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes No

28 Provide Teacher-student ratio for each of the programme/course offered

Sr. No.	Name of Course	Teacher-Student Ratio
1	Mechanical Engineering	1:18
2	Computer Engineering	1:14
3	Information Technology	1:14
4	Electronics and Telecommunication Engineering	1:15

5	Instrumentation and Control Engineering	1:12
6	Civil Engineering	1:14
7	Master of Business Administration	1:20
8	Master of Computer Applications	1:30

29 Is the college applying for

Accreditation : Cycle1 Cycle2 Cycle3 Cycle4

Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)

30 Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle1: NA (dd/mm/yyyy) Accreditation Outcome/Result...Not Available...

Cycle 2: NA..... (dd/mm/yyyy) Accreditation Outcome/Result.....

Cycle 3: NA..... (dd/mm/yyyy) Accreditation Outcome/Result.....

*** Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.**

31 Number of working days during the last academic year 293 days.

32 Number of teaching days during the last academic year 182 days

(Teaching days means days on which lectures were engaged excluding the examination days)

33 Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC ...NA..... (dd/mm/yyyy)

34 Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i) (dd/mm/yyyy)

AQAR (ii) (dd/mm/yyyy)

AQAR (iii) (dd/mm/yyyy)

AQAR (iv) (dd/mm/yyyy)

35 Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision and Mission of the Institution

Vision

To be internationally accredited, Multidisciplinary and Multi-collaborative institute working on technology enabled platform fostering innovations and patents through state-of-art academic system designed by highly qualified faculty for the development of common masses at large.

Mission

To educate and train common masses through undergraduate, post graduate, research programmes by inculcating the values for discipline, quality, transparency and foster career and professional development for employment thereby contributing to the development of society.

Goals of the Institution

Short Term Goals

- Implement Project Based Learning (PBL).
- Application for National Board of Accreditation (NBA).
- Pradhan Mantri Kaushal Vikas Yojana
- Setting smart classroom at Institute.
- Enhancing E-learning facilities.
- MoU's/Collaboration with industry and Research Center.
- Preparing Research funding proposal forwarded to University/AICTE/DST.
- Attracting /deputing teaching faculty for the higher education.
- Adopt training programme for staff and faculty.
- Developing quality manual /handbook for Institute, Staff and students.
- Fostering/Promoting research culture.
- Establishing network with sister Institutes and Industry.
- Attracting research scholars to institute.
- Organizing scientific events.
- To develop interdisciplinary projects.

Long Term Goals

- Learning content management system environment.
- Portfolio development.
- ISO 29990.
- Virtual classroom.
- Starting Ph.D Center.
- Collaboration with foreign university/organizations.
- International Accreditation.

- Faculty enrichment programme.
- Research enrichment programme.
- Incubators.
- Provision of admission to UG/PG/R&D for NRI Students.

Vision and Mission of the Institution are communicated to stakeholders:

- The vision and mission statements of the institute are displayed at prominent places like Principal office, department floors, classrooms, laboratories, Hostel, Library, college website, college brochure, department leaflet.
- The vision and mission statements of the institute are communicated through parents meet, student meetings, Alumni meets, Faculty orientation, Induction programmes, department meetings with faculty and staff.
- The vision and mission statements are published regularly in Institute prospectus/leaflet, Annual Institute Magazine, Departmental leaflets and other Institute publications.
- Vision, Mission and Objectives of the institute displayed at college website- www.kbtcoe.org as shown in Fig 1.1.1

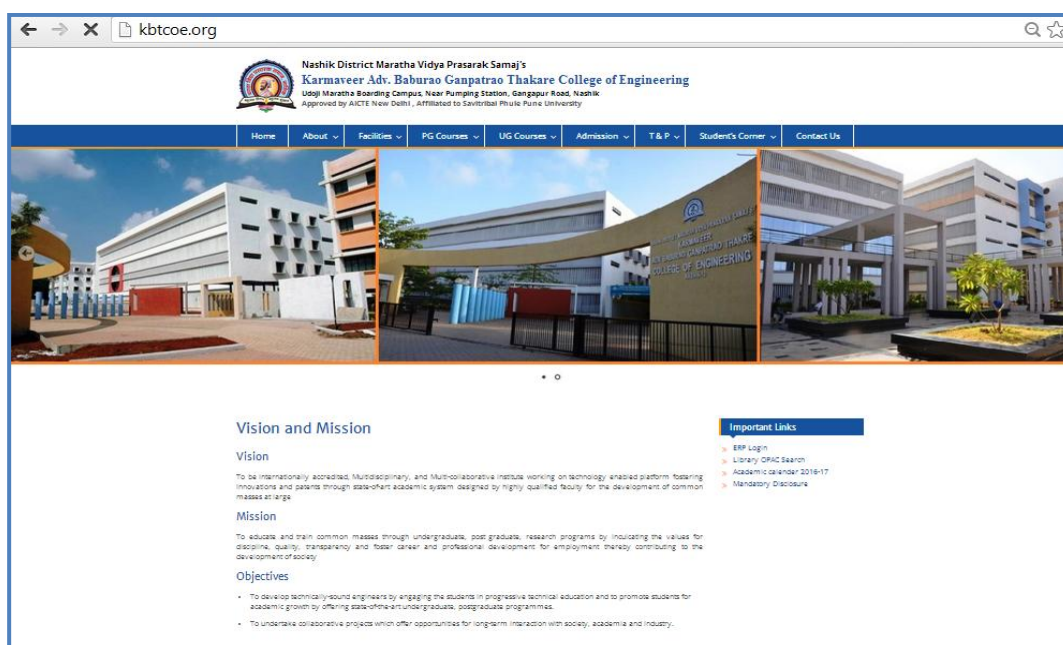


Fig 1.1.1 Vision, Mission and Objectives of the Institute

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

Planning for effective implementation of the curriculum:

- Curriculum and Academic calendar are designed and published as per the Savitribai Phule Pune University (SPPU) instructions.
- At the beginning of each academic year, the University gives guidelines about the curriculum dates-
 - Commencement of the semester
 - End of the semester

- In Semester, End Semester Examinations
- Online Examinations
- Oral, Practical, Project Examinations
- Vacation for faculty
- Relieve faculty for CAP
- Accordingly, Dean Academic of the institute prepares Academic calendar, Activity calendar in consultation with the Principal. It is communicated to the Dean, HOD and faculty of the departments.
- Head of the department (HOD) distributes the subject by considering the subject choice form filled by the faculty members in order to have smooth conduction of curriculum, HOD allocates the working hours according to the competency of faculty. The activity is carried out immediately after the end of the current semester so faculty members get sufficient time for the preparation of the next semester subject.
- Time Table coordinator of each department prepares department Academic calendar, Activity calendar in consultation with Head of the Department. After subject distribution, Theory and Practical teaching plan entered in ERP by respective course faculty considering the academic calendar schedule.
- Faculty attends Short Term Training Programme, Faculty development programme, workshop, seminars conducted by the University.
- Institute also conducted programmes to develop teaching-learning skill among the faculty.

Deployment of Action plans:

- Academic Monitoring Committee (AMC) monitors all the academics, student feedback, and overall teaching learning process to achieve maximum academic performance of the students.
- Regularly lectures are monitored by the academic monitoring committee. Corrective actions are taken by the head of the department in consultation with Principal, whenever it is needed.
- The Institute has developed ERP system to monitor and facilitate the academics as well as overall functioning of the Institute.
- The effective implementation of curriculum is ensured by conducting expert lectures, seminars, workshops, Training programmes etc.
- Additionally assignments, class tests are conducted to assess the knowledge of the students.
- Institute departments conduct mock test exams at the end of semester to assess the student progress in particular course.
- The overall performance and evaluation of students is properly done through continuous assessment of students in the semester/academic year.

Example: Institute design Academic calendar from University calendar and each department design own activity calendar and follow these schedules for effective implementation of the curriculum.

- University calendar
- Institute Academic calendar
- Department activity calendar
- Teaching plan

Savitribai Phule Pune University
(Formerly University of Pune)



**ACADEMIC CALENDER FOR VARIOUS ACTIVITES FOR
ENGINEERING COURSES FOR THE YEAR 2015-2016**

FIRST TERM

Sr. No.	Details of Activities	Year	Date
1	Commencement of Teaching	S.E/T.E/B.E. &MCA - II & III Year	15/06/2015
2	Conclusion of Teaching	S.E/T.E/B.E. &MCA - II & III Year	06/10/2015
3	Commencement of Teaching	M.E. II Year	20/07/2015
4	Conclusion of Teaching	M.E. II Year	07/11/2015
5	Practical/Oral/ Project Examination	S.E/T.E/B.E.	12/10/2015 to 27/10/2015
6	Theory Examination	S.E/T.E/B.E. &MCA - II & III Year	02/11/2015 to 27/11/2015
7	Vacation for Faculty		08/10/2015 to 07/11/2015
8	Relieve the Faculty for CAP		09/11/2015 Onwards

SECOND TERM

Sr. No.	Details of Activities	Year	Date
1	Commencement of Teaching	F.E/S.E/T.E/B.E. & MCA -I, II & III Year	14/12/2015
2	Conclusion of Teaching	F.E/S.E/T.E/B.E. & MCA -I, II & III Year	02/04/2016
3	Commencement of Teaching	M.E. I & II Year	11/01/2016
4	Conclusion of Teaching	M.E. I & II Year	18/01/2016
5	Practical/Oral/ Project Examination	S.E/T.E/B.E. &MCA - II & III Year	06/04/2016 to 23/04/016
6	Theory Examination	S.E/T.E/B.E. &MCA - II & III Year	02/05/2016 to 28/05/2016
7	Practical Examination	M.E. I & II Year	25/04/2016 to 30/04/2016
8	Theory Examination	M.E. I & II Year	16/05/2016 to 28/05/2016
9	Vacation for Faculty		13/04/2016 to 23/05/2016
10	Relieve the Faculty for CAP		25/05/2016 Onwards

Ganeshkhind, Pune- 07
Ref. No. PGS/ 1702
Date : - 22/05/2015

Asstt. Registrar
(P.G. Admission)

Fig 1.1.2(A) University Academic calender



NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S
**KARMAVEER ADV. BABURAO GANPATRAO THAKARE
COLLEGE OF ENGINEERING**

NASHIK - 13

Udoji Maratha Boarding Campus, Pumping Station, Gangapur Road,
Nashik-422013, Maharashtra, India

Visit us at : www.kbtcoe.org

Ref. No. NDMVPSKBTCE/Acad/01 /2016-17

Date: 06/06/2016

Academic Calendar (S.E., T.E., B.E. all branches) for year 2016-17 (Semester-I)

Sr. No.	Details of Activity	Day	Date
1	Commencement of Teaching	Wednesday	15/06/2016
2	Display of Attendance	Friday	01/07/2016
3	Ramzan-Id (Holiday)	Wednesday	06/07/2016
4	Display of Attendance	Friday	15/07/2016
5	Display of Attendance and letter to parents only for less than 75% attendance	Monday	01/08/2016
6	Independence Day	Monday	15/08/2016
7	Display of Attendance	Tuesday	16/08/2016
8	Pateti (Holiday)	Wednesday	17/08/2016
9	Samaj Din	Friday	19/08/2016
10	Display of Attendance & letters to parents of all students	Wednesday	31/08/2016
11	Ganesh Chaturthi (Holiday)	Monday	05/09/2016
12	Bakari-Id (Holiday)	Monday	12/09/2016
13	Display of Attendance	Thursday	15/09/2016
14	Display of Attendance & Department wise class coordinator meeting with HOD	Wednesday	05/10/2016
15	Display of final detention list and letters to parents in case detained students	Thursday	06/10/2016
16	Conclusion of Teaching	Thursday	06/10/2016
17	Karmaveer Dr. Vasant Rao N Pawar Punyatithi	Friday	07/10/2016
18	Dasara (Holiday)	Tuesday	11/10/2016
19	Last date for term work submission	Wednesday	12/10/2016
20	Practical / Oral / Project Examination		13/10/2016 to 27/10/2016
21	Theory Examination		04/11/2016 to 30/11/2016
22	Commencement of the II Semester	Thursday	15/12/2016

* Note: S.E online and T.E & B.E offline examination will be as per university schedule.

Prof. Vinod C Shewale
Coordinator (Academics)

Dr. Jayant T Pattiwari
Principal

Fig. 1.1.2(B) Institute Academic calendar



NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S
**KARMAVEER ADV. BABURAO GANPATRAO THAKARE
COLLEGE OF ENGINEERING**

NASHIK - 13

Udoji Maratha Boarding Campus, Pumping Station, Gangapur Road,
Nashik-422013, Maharashtra, India


Visit us at : www.kbtcoe.org

Ref. No. NDMVPSKBTCE/Acad/01/2015-16

Date: 12/12/2015

Academic Calendar (M.C.A.) for year 2015-16 (Semester-II)

Sr. No.	Details of Activity	Day	Date
1	Commencement of Teaching	Monday	14/12/2015
2	NSS Special Winter Camp		21/12/2015 to 27/12/2015
3	Id- E-Milad (Holiday)	Thursday	24/12/2015
4	Christmas (Holiday)	Friday	25/12/2015
5	Display of Attendance	Thursday	31/12/2015
6	M.V.P. Marathon -2016	Sunday	03/01/2016
7	Display of Attendance	Friday	15/01/2016
8	Fusion-2016 (Tentative)		22/01/2016 to 24/01/2016
9	Republic Day	Tuesday	26/01/2016
10	Display of Attendance	Saturday	30/01/2016
11	Unit Test - I / Mid Term Test		02/02/2016 to 06/02/2016
12	Display of Attendance & Department wise class coordinator meeting with HOD	Monday	15/02/2016
13	Display of Unit Test-I / Mid Term Test Marks, letters to parents.	Tuesday	16/02/2016
14	Chatrapati Shivaji Maharaj Jayanti (Holiday)	Friday	19/02/2016
15	Technical Events (All departments) (Tentative)		22/02/2016 to 23/02/2016
16	Karmaveer Adv. Baburao Thakare Punyatithi	Tuesday	23/02/2016
17	Display of Attendance	Tuesday	01/03/2016
18	Unit Test - II/ End Term Test		08/03/2016 to 12/03/2016
19	Karmaveer Adv. Baburao Thakare Jayanti	Saturday	12/03/2016
20	Display of Attendance	Tuesday	15/03/2016
21	Holi (Holiday)	Wednesday	23/03/2016
22	Display of Unit Test-II / End Term Test Marks, letters to parents.	Friday	25/03/2016
23	Display of Attendance & Department wise class coordinator meeting with HOD	Thursday	31/03/2016
24	Display of final detention list and letters to parents in case detained students.	Saturday	02/04/2016
25	Conclusion of Teaching	Saturday	02/04/2016
26	Karmaveer Dr. Vasant Rao N Pawar Jayanti	Monday	04/04/2016
27	Last date for term work submission	Tuesday	05/04/2016
28	Practical / Oral / Project Examination		06/04/2016 to 23/04/2016
29	Gudhi Padawa (Holiday)	Friday	08/04/2016
30	Mahavir Jayanti (Holiday)	Tuesday	19/04/2016
31	Theory Examination		02/05/2016 to 28/05/2016
32	Vacation for staff		13/04/2016 to 23/05/2016
33	Relieve the faculty for CAP		25/05/2016 onwards


Prof. Vinod C Shewale
Coordinator (Academics)




Dr. Jayant T Pattiwari
Principal

Fig. 1.1.2(C) Department Academic calendar



NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S
Karmaveer Adv. Baburao Ganpatrao Thakare
COLLEGE OF ENGINEERING
 Udoji Maratha Boarding Campus, Near Pumping Station Road, Gangapur Road,
 Nashik-422013, Maharashtra - India
 Phone : +91 253-2571439, 2314319, Fax: 0253-2317016
 email : principal@kbtcoe.org website: www.kbtcoe.org

Academic Monitoring Cell
Staff Teaching Plan

Date : 09/12/2016

Academic Year : 2016-2017
 Course : UG Branch : ELECTRONICS AND TELE
 Year : BE Semester : 7 TH SEM Section : A
 Sub Code : VLSI Subject Type : THEORY
 Subject : VLSI DESIGN AND TECHNOLOGY
 Emp ID : ETC009 Emp Name : GAWAI VIKAS PRALHAD

Sr.No.	Unit	Topic Code	Expected Date	Topic Description
1	1	1.1	15/06/2016	DATA OBJEC TS, DATA TYPES
2	1	1.2	16/06/2016	ENTITY, ARCHITECTURE & TYPES OF MODELING,
3	1	1.3	20/06/2016	SEQUENTIAL STATEMENTS, CONCURRENT STATEMENTS
4	1	1.4	21/06/2016	PACKAGES, SUB PROGRAM
5	1	1.5	22/06/2016	ATTRIBUTE
6	1	1.6	23/06/2016	VHDL TEST BENCH,
7	1	1.7	27/06/2016	TEST BENCHES USING TEXT FILES
8	1	1.8	28/06/2016	VHDL MODELING OF COMBINATIONAL,
9	1	1.9	29/06/2016	SEQUENTIAL LOGICS & FSM
10	1	1.10	30/06/2016	METASTABILITY
11	2	2.1	04/07/2016	PROM, PLA, ARCHITECTURES AND APPLICATIONS

Institute ID : KBT COE
 Designed by SynchRonik Inc. Report for Academic Monitoring Cells (Staff Teaching Plan) Page 1 of 3

Fig. 1.1.2(D) Sample copy of course Teaching Plan

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

The support provided by the affiliating University:

- The University provides funds under various BCUD/QIP schemes for various grants such as seminar, workshop, Research project and National Conferences.

- University syllabus is changed after every 4 years to bridge the gap between Industry and Institute.
- Once syllabus is changed University or Board of Studies (BOS) conducts many syllabus orientation programmes jointly by the affiliated institutes to understand the new curriculum and to create awareness among teachers.
- In syllabus copy of University, unit wise text book and reference books are mentioned so students get benefit to easily search the content of syllabus.
- In syllabus structure of university Unit wise marks are assigned for each course unit.
- Guidelines for setting question papers are provided by University.
- To assess university papers, paper solution of respective course are provided by the University.
- Institute got funds under various schemes of BCUD/ DST QIP for research Details are shown in Table 1.1.3(A)

Table 1.1.3(A) Institute received funds under BCUD/QIP schemes

Year	Department	Name of Programme (BCUD/ QIP)	Fund Received
2013-14	Mechanical Engineering	Two days state level seminar on Tribological Aspects in Design Engineering.	25,000/-
2014-15		Research grant for Investigation of mechanical and wear properties of yttrium oxide and titanium carbide particle reinforced Aluminum matrix composites.	2,00,000/-
2015-16		Research grant for Heat Transfer Enhancement using brine based nano fluids.	19,02,850/-
2016-17		Research grant for Performance study of Spherical Cavity Receiver of Solar Concentrator.	2,10,000/-
2016-17		Two days National level workshop on Conditioning Monitoring of Rotating Machinery.	2,00,000/-
2013-14	E & TC Engineering	Equipment Grant (EQP 13185002) Agilent Make 6 ^{1/2} Digit Digital Multimeter.	60000/-
2014-15		Equipment Grant (EQP 141850001) Precision LCR-Q Meter	100000/-
2013-14	Master of Business Administration	1 st -National Conference on “Management Horizons in Business Innovation & Environment: Vision & Challenges”-2013.	50000/-
2015-16		National Conference on- “Entrepreneurship Development A Road Map to Make in India”-2016	115388/-
2016-17		Research Project- : A Study on Impact of Brand Building of Village with Special Reference to Vadner Bhairao, Nashik.	100000/-

2016-17		Research Project: An Empirical Study on Financial Literacy & Financial Educational Awareness Among Farmers in Remote Area Around Nashik Region.	200000/-
2013-14	Civil Engineering	BCUD Research Proposal	2,80,000/-
2011-12		BCUD Research Proposal	2,60,000/-
2016-17	Instrumentation and control engineering	BCUD Research Proposal	1,40,000/-

The support provided by Institute:

- The Institute has adopted Outcome Base Education (OBE) framework. The institute has followed systematic and strategic approach in designing and developing OBE framework.
- The Institute also encourages the faculties to attend faculty development programme, short term training programmes (STTP), seminars, and workshops to enrich their subject knowledge.
- The Institute provides financial support to faculty to attend STTP, FDPs, workshops, seminars etc. to improve teaching competencies. The Institute also conducts such a kind of programmes for effectively translating the curriculum and to improve teaching practices.
- The Institute has conducted different programmes like Mission 10X, Faculty development programme to develop teaching skills and understand teaching methodology.
- The Institute provides various educational aid like OHP, LCD projectors etc.
- The Institute has high speed internet connectivity with 155 Mbps lease line.
- In Institute Wi-Fi facilities are provided throughout the campus.
- The Institute also provides Wi-Fi facility in Girls hostel campus.
- The institute has a well established central library as well as each department has a separate department library.
- The digital Library gives access to e-learning resources, video lectures from NPTEL, e-journals, magazines, subscriptions & transactions like ASCE, ASME, IEEE-ASPP, J-gate, Springer, Elsevier etc. It helps faculties as well as students to carry out research work.
- Information about all these learning resources is accessible throughout the campus via IP based and Online Public Access Catalog [OPAC].
- Subscribed e-resources are accessible through OPAC and users can access full text of required material from their department and classroom. This facility helps in planning lecture and preparing lecture notes/ presentations.
- Institute Received grant under National Mission on Education through ICT (NMEICT) (MHRD, Govt. of India) for Aakash and R& D center.
- The Institute encourages faculty and provide financial support for up-gradation of their academic qualification.
- In Institute various department has chapter of professional societies and it helps the faculties and students to bridge the gap between academic and industry. It also helps faculties in understanding emerging trends and recent technology in the field of engineering.

- The Institute has ICT enabled classrooms, well equipped laboratories, Robotics lab etc.
- Facilities provided by Institute are shown in Fig. 1.1.3(A)

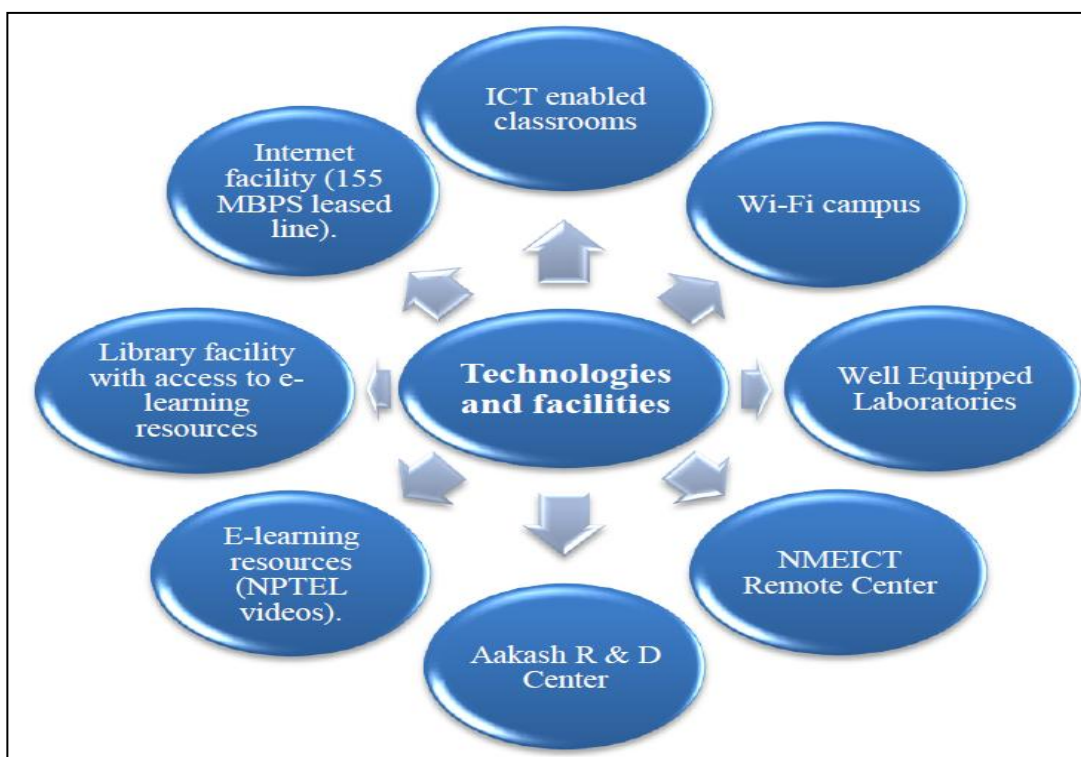


Fig. 1.1.3(A) Facilities provided by the Institute

- Institute has done the mapping of each course outcome with the Program Outcomes to evaluate and achieve the teaching learning outcome.

Example:

Mapping of Course Design of Machine Element II (TE Mechanical Engineering) with the Program Outcomes.

- Course: Design of Machine Element II (TE Mechanical Engineering)
- Course Outcomes:
 1. Ability to design and analyze Mechanical transmission systems
 2. Ability to design and select different types of bearings from manufacturer's catalogue.
 3. Enhancement in proficiency of CAD software for design and analysis so that students are capable to generate production drawing.

Table 1.1.3 (B) Mapping of Course Outcome with Program Outcome Rating (2- High Rating, 1- Low rating, 0- No rating)

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
1	1	1	2	0	0	1	0	0	2	2	0	1
2	1	1	2	0	0	1	0	0	2	2	0	1
3	0	0	0	0	2	0	0	0	2	1	0	1

Programmes conducted by Institution/department on academic curriculum to improving teaching practices shown in Table 1.1.3(C)

Table 1.1.3(C) Programmes conducted by the Institution

Year	Name of Programme	Need of Assessment	Duration	Resource Person/Location
2013-14	Two Week ISTE Main Workshop on Computer Networking	The aim of the programme is to Provide an outstanding opportunity for academic communities to address the emerging technologies and challenges.	30/6/2014 to 05/07/2014	Remote center at NDMVPS's KBT COE Organized by IIT Bombay
2013-14	Two Week ISTE Main Workshop on Computer Programming	To provide an outstanding opportunity for academic communities to address the emerging technologies and challenges.	12 /5/2014 to 18/5/2014	Remote center at NDMVPS's KBT COE Organized by IIT Bombay
2014-15	Two Week ISTE Workshop on Introduction to Design of Algorithms	To provide opportunity for academic communities to address the emerging technologies Discovery and Computational Intelligence.	25/5/2015 to 1/06/2015	Remote center at NDMVPS's KBT COE Organized by IIT Bombay
2014-15	Two week ISTE workshop on Fluid Mechanics	To understand the basic concepts of Fluid Mechanics	20/5/2014 to 30/05/2014	IIT Kharagpur funded by NMEICT, MHRD, Govt. of India
2014-15	Two week ISTE workshop on Control system	To understand basic concept of control system design.	02/12/2014 to 12/12/2014	IIT Kharagpur funded by NMEICT, MHRD, Govt. of India
2014-15	Faculty Development Programme	To create the awareness about entrepreneurship among the students.	18/12/2014 to 30/12/2014	MCED, DSTA, Govt. of India
2014-15	Two days workshop on Research Methodology	To learn how to do research by systematic approach to establish facts or principles.	14/2/2015 to 15/02/2015	NDMVPS COE by Dr. Manish Kokare, SGGS Nanded

2014-15	Two week ISTE workshop on Introduction to Design of Algorithms	To study different algorithms	27/4/2015 to 30/04/2015	NDMVPS's KBT COE, Nashik.
2014-15	Two Week ISTE Workshop on Cyber Security	To provide outstanding opportunity in cyber security.	10/7/2014 to 20/07/2014	NDMVPS's KBT COE, Nashik.
2014-15	Two Week ISTE Main Workshop on Computer Networking	The aim of the programme is to Provide an outstanding opportunity for academic communities to address the emerging technologies.	30/6/2014 to 05/07/2014	NDMVPS's KBT COE, Nashik.
2014-15	Two Week ISTE Main Workshop on Computer Programming	To gain knowledge of programming.	20/5/2014 to 21/06/2014	NDMVPS's KBT COE, Nashik.
2015-16	Four Week AICTE approved FDP by IIT Bombay on - Use of ICT in Education for Online and Blended Learning	To provide an outstanding opportunity for academic communities to address the emerging technologies and challenges	14 /5/2016 to 05/06/2016	Remote center at NDMVPS's KBT COE, Nashik.
2015-16	Faculty Development Programme	To create the awareness about entrepreneurship among the students	11/3/2016 to 22/03/2016	MCED, DSTA, Govt. of India
2016-17	Two week STTP on Introduction to Structural Engineering.	To gain knowledge about structural engineering	04/1/2016 to 09/01/2016	Remote Center- Mr. S. K. Bhattacharya Prof. Baidurya Bhattacharya, Dr. Sushant Chakraborty, CEO, IIT Kharagpur.
2016-17	Two week STTP on Introduction to Structural Engineering.	To understand concept of Structural analysis	02/5/2016 to 10/07/2016	IIT Bombay

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- The Institute has adopted Outcome Base Education (OBE) framework.
- The components like Program Educational Objectives (PEO), Program Outcomes (PO), Course objectives and course outcomes are developed and mapped.
- The teaching, learning assessment strategies are design for attainment of Course objectives (CO) and Program Outcomes (PO).
- In Institute ICT facilities are provided in the classroom.
- Smart class rooms are developed at institute.
- Following are some initiative taken in this direction:
 - Remedial classes are conducted for slow learners as well as for dropper and backlog students.
 - Institute is having ample number of subscription of e- books, e-journals, to cope up with recent trends and demand of industry.
 - Online tests, mock test are conducted for practice.
 - Monthly class tests are conducted on unit to check the depth of understanding.
 - Time to time result is communicated to the students for their improvement.
 - Multiple Choice Questions (MCQ's) are provided to FE/SE students for practice of online examination.
 - Syllabus gets covered above 90%.
 - Monthly attendance reports of students are sent to the parents regularly in each semester.
 - Progress of theory and lab assignments are continuously evaluated through evaluation sheets.
 - Institute conduct Tutor/ Mentor meet under which individual level counselling is done for students.
- Institute is a remote center of Indian Institute of Technology, Bombay and Kharagpur under NMEICT initiative by ministry of HRD. Staff members attend Faculty Development Programmes (FDP's) conducted under this scheme.
- Institute Received grant under National Mission on Education through NMEICT (MHRD, Govt. of India) for Aakash and R & D Center.
- Institute central library provide book bank facility to the students.
- Institute Central Library is open in day and night shift for students.
- Every department has a separate departmental library which has sufficient number of books, old seminar report and project reports for reference.
- FDP's are conducted at college level and department level for effective teaching learning process.
- Every department prepares their Program Educational Objectives.
- For every course separate course objective and outcomes are specified by SPPU, Pune. One such an example is provided below.

Example:

Outcome Base Education (OBE) Framework:

One such example of Program Educational Objectives (PEO) and Outcomes of Mechanical Engineering are stated Table 1.1.4(A)

Vision of Mechanical Engineering

To be the center for excellence and center of learning for innovation, incubation and research in the domain of product design, thermal engineering and manufacturing technology thereby path finder for professionalism, entrepreneurship and new knowledge contributing to the common masses.

Mission of Mechanical Engineering

To educate and train undergraduate and post graduate students in Mechanical Engineering by inculcating the values for discipline, quality and transparency and professional development in the job and self-employment emphasis industry based practices.

Program Education Objectives (PEO) of Mechanical Engineering

- PEO1: To prepare technocrats that can satisfy the need of mechanical and allied industries.
- PEO2: To develop critical thinking, problem solving skills, research aptitude and carrier and professionalism among the students.
- PEO3: To improve and expand technical and professional skills of students through effective teaching, learning and industry interaction.

Table 1.1.4(A) Program Outcome of Mechanical Engineering

Course code	Course title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
102013	Basic Mechanical Engineering	2	1	-	-	-	1	1	-	-	-	-	-
102014	Engineering Graphics II	-	-	1	-	2	-	-	-	-	-	-	-
107008	Engineering Mathematics III	3	2	-	-	1	-	-	-	-	-	-	2
202041	Manufacturing Process-I	2	-	-	-	-	2	1	-	-	-	-	-
202042	Computer Aided Machine Drawing	-	-	-	-	3	-	-	-	-	1	-	-
202043	Thermodynamics	2	3	1	2	1	1	-	-	-	1	-	-
202044	Material Science	1	-	1	-	1	1	2	-	-	-	-	-
202051	Strength of Materials	3	1	1	3	-	1	-	-	-	1	-	-
202045	Fluid Mechanics	2	2	1	2	1	-	-	-	-	1	-	-
202047	Soft Skills	-	-	-	-	-	-	-	3	3	2	-	2
202048	Theory of Machines-I	3	2	1	-	-	1	-	-	-	1	-	-
202049	Engineering Metallurgy	-	-	1	-	1	1	2	-	-	1	-	-
202050	Applied Thermodynamics	2	1	2	1	-	1	2	-	-	1	-	1
203152	Electrical and Electronics Engineering	2	1	-	-	-	-	-	-	2	-	-	-
202053	Machine Shop – I	-	-	-	-	-	1	1	-	-	-	-	-
302041	Design of Machine Elements – I	3	1	3	1	1	1	2	-	2	1	1	1
302042	Heat Transfer	3	2	2	-	1	-	1	-	-	1	-	1
302043	Theory of Machines-II	2	1	1	-	-	1	-	-	-	-	-	-
302044	Metrology and Quality Control	1	1	1	-	1	1	1	-	-	1	-	-
302045	Hydraulics and Pneumatics	1	1	1	-	1	1	-	-	-	-	-	-
302046	Skill Development	-	-	-	-	-	-	-	2	-	2	-	-
302047	Numerical Methods and Optimization	3	2	-	1	2	-	-	-	-	-	-	1
302048	Design of Machine Elements -II	2	2	3	1	1	1	2	-	1	1	1	1
302049	Turbo Machines	2	2	1	1	-	-	2	-	-	-	-	-
302050	Mechatronics	-	1	1	1	1	1	-	-	2	-	-	-

Course code	Course title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
302051	Manufacturing Process-II	-	-	1	-	1	1	1	-	-	-	-	-
302052	Machine Shop -II	-	-	-	-	1	1	1	-	-	-	-	-
302053	Seminar	-	2	-	-	-	-	-	3	2	3	-	2
402041	Refrigeration and Air Conditioning	2	1	2	-	1	1	2	-	-	1	1	1
402042	CAD/ CAM Automation	2	2	2	2	2	1	-	-	-	-	-	-
402043	Dynamics of Machinery	3	2	2	1	1	1	1	-	-	1	-	1
402044	Tribology (Elective-I)	3	2	2	1	-	-	2	-	-	-	-	1
402045	Advanced Manufacturing Processes (Elective-II)	-	-	1	-	1	2	1	-	-	-	-	1
402046	Project –I	-	2	-	-	-	-	-	2	3	3	3	2
402047	Power Plant Engineering	2	1	1	-	-	-	2	1	-	1	-	1
402048	Mechanical System Design	2	1	3	1	1	1	2	-	2	1	-	2
402049	Industrial Engineering (Elective -III)	-	-	-	-	-	1	-	-	-	-	1	1
402050	Finite Element Analysis (Elective-IV)	3	3	2	3	2	1	-	-	-	-	-	-
402051	Project – II	2	2	-	-	-	-	-	-	3	3	3	3

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

- Institute has established Industry Institute Interaction cell (IIC) to promote the close interaction of industry and various departments of the institute to bridge the gap between industry and institute by undertaking expert lectures, industrial visit and industrial training.
- HR meet is organized by the institute where it liaisons with a large number of industries.
- Industry expert gives valuable inputs that help in aligning academic activities with the trends of new technology.
- Institute has a very strong interaction with a large number of industries including corporate, government, semi government, public and private sectors.
- Industrial visits are organized by Institute/department. The efforts in this direction are shown in the below Table 1.1.5(A)
- Institute arranged expert talk on SAP, ERP shown in Table 1.1.5(B)
- Institute has conducted training programme shown in Table 1.1.5(C)

Institute Interaction with University for effective Curriculum operationalization:

- Institute Head of department attend meeting with the vice chancellor or BOS affiliated to SPPU Pune.
- Institute senior faculty members contribute their efforts in designing and developing curriculum at University level.
- Meetings of faculty members with subject Chairman.
- Contribution of faculty in designing and implementing open elective curriculum.
- Faculty is involved in the process of University syllabus revision, paper setting, and paper assessment etc.
- Faculty contribution in university oral, practical examination, CAP duties.
- Institute Received grant under BCUD/QIP Schemes.
- Faculties from all departments attend the programme conducted by University.
- Institute served as a Central Assessment Programme (CAP) center for Second Year, Third Year Engineering and MCA Engineering.

Table 1.1.5 (A) Industrial visit organized by Institute/ Department

Sr. No.	Name of Department	Academic Year	Date	Details such as topic, speaker, location
1	CIVIL	2013-14	18/07/2013	Central Railway Workshop, Manmad.
2			28/08/2013	Sewage Treatment Plant, Nashik
3			30/08/2013	Manjarpada tunnel, Nashik
4			13/09/2013	Peninsula Project, Nashik
5			17/09/2013	MHADA Project Site, Pathardi, Nashik
6			1/10/2013	Shapoorji and Pallonji, Construction Site, Nashik
7			3/10/2013	Hydro Power Plant, Vaitarna Dam, Nashik.
8			09/10/2013	MHADA Project Site, Pathardi, Nashik

9			09/01/2014	Metrological Station KTHM College, Nashik	
10			15/01/2014	Water Treatment Plant, Nashik	
11			27/01/2014	Ozar Airport, Nashik	
12			06/02/2016	Ashok residency, Satpur, Nashik.	
13			04/03/2014	Jain Irrigation System Ltd. Jalgoan	
14		2014-15	09/09/2014	Hydro-Electric Power Plant, Vaitarna Dam, Nashik.	
15			12/02/2015	Water Treatment Plant, Nashik	
16			18/03/2015	Remote Sensing and GIS Division, Meri, Nashik	
17			23/03/2015	Sun Infrastructure Pvt. Ltd. Nashik	
18		2015-16	03/07/2015	Metrological Station, NDMVP's College of Agriculture, Nashik	
19			03/07/2015	Water Resource Engineering Division, MERI, Nashik	
20			10/07/2015	Central Railway Workshop Manmad.	
21			31/07/2015	Sewage Treatment Plant, Nashik	
22			20/08/2015	Pune –Nashik Highway Project	
23			29/09/2015	Sun Infrastructure Pvt. Ltd. Nashik	
24			26/10/2015	Amit Enterprises Housing Ltd. Pathardi Phata, Nashik	
25			27/10/2015	Ultra-Tech RMC Plant, Satpur, Nashik	
26			11/01/2016	GhatGar Dam, Ahmednagar.	
27			16/01/2016	Sardar Sarovar Dam, Gujrat	
28			10/02/2016	Bhandardara Dam, Nashik.	
29			17/02/2016	Sun Infrastructure Ltd., Nashik	
30			11/03/2016	Water Treatment Plant, Nashik	
31			2016-17	31/08/2016	Sewage Treatment Plant, Nashik
32		21/09/2016		Nashik- Pune Highway	
33		10/07/2016		Central Railway Workshop Manmad	
34		27/09/2016		Gangapur Dam, Nashik	
35		06/10/2016		Sun Infrastructure Pvt. Ltd, Nashik	
36		12/10/2016		Bagad Properties, Nashik	
37		22/11/2016		Ultra-Tech RMC Plant, Satpur, Nashik	
38		28/07/2016		Deolali Railway Station, Nashik	
1		E & T C	2013-14	17/01/2014	Industrial Visit to GMRT Narayangaon, pune
2				11/09/2013	Monk Automation Pvt. Ltd. MIDC Ambad, Nashik
3			2014-15	16/01/2015	Industrial Visit to GMRT Narayangaon, Pune
4				23/01/2015	Industrial Visit to GMRT Narayangaon ,Pune
5				04/02/2015	Reliance Power Plant Dhanu, Thane.

6		2016-17	17/09/2016	Traffic Awareness Training Programme at Children Traffic Education Park , Nashik
7			29/07/2016	Dharampur Science Center, Gujarat
1	INSTRU	2013-14	02/09/2013	Watson Pharma Pvt. Ltd; Ambarnath.
2		2014-15	18/09/2014	National Horticultural Research and Development Foundation, Chitegaon Phata.,Nashik.
3		2015-16	11/01/16	Hindustan Coca Cola Beverages Pvt. Ltd. Nashik
4		2016-17	01/09/2016	Reliance Electronics, Nashik
5		2016-17	07/09/2016	Kribhco Ltd, Surat
1	IT	2013-14	16/09/2013	Visvesvaraya Industrial and Technological Museum, Banglore
2			19/01/2013	Persistent Systems ,Pune
3		2014-15	28/02/2015	Persistent Systems ,Pune
4		2015-16	6 /03/ 2015	Altruist Technologies, Chandigarh
5		2016-17	26/09/2016	C –DAC Kharghar, Mumbai
1	COMP	2015-16	09/09/2015	SE Computer 34 Student Visit to C-DAC, Mumbai
2		2016-17	28/09/2016	TE Computer 49 Student Visit to Seed info-tech, Mumbai
3			28/09/2016	BE Computer 42 Student Visit to Seed info-tech, Mumbai
4		26/09/2016	SE Computer 34 Student Visit to C-DAC, Mumbai	
1	MBA	2014-15	09/03/2015	Ispat industries ltd at Mumbai
2			10/03/2015	
3			23/03/2015	Baif Kaju Processing Unit at Dapoli,
4			24/03/2015	Ratnagiri
5		27/08/2014	Sarda Farms at Nashik	
6		03/02/2015	Glenn mark Pharmaceuticals Ltd,Nashik.	
7		2015-16	12/08/2015	Sarda Farm, Sahyadri Agro,Mohadi Nashik
8			10/03/2016	Jahagirdar Bekers , Nashik
9		13/10/2015	KVIC Nashik	
10	2016-17	23/08/2016	Sahyadri Agro, Mohadi ,Nashik	
11		31/08/2016	Biaf , Jawahar, Palghar.	
1	MCA	2013-14	13/3/2014	ESDS Software Solution, Nashik
2		2015-16	6/10/2015	UMS Tech Labs. Nashik.
1	MECH	2016-17	25/07/2016	Seva Automotive PVT LTD Nashik
2		2016-17	30/08/2016	Narang Cold Storage, Nashik.
3		2016-17	08/09/2016	Nashik Engineering Cluster, Nashik.
4		2016-17	04/10/2016	Reliance Thermal Power Station Dahanu

Table 1.1.5(B) Expert talk arranged by Institute

Name of the Programme	Department	No. of student beneficiaries	Resources Institute/Person/Location
Expert talk On SAP ERP	All department	400	Satish namjoshi SAP Corporate head Mahindra and Mahindra from Corporate office Mahindra, Nashik
Expert talk On SAP ERP	All department	400	Vinayak jawadekar MD VACS Global Pvt Ltd.
Expert talk On SAP ERP	All department	400	G Mauleesharan Delivery Head SAP India Pvt Ltd, Bangalore
Expert talk On SAP ERP	All department	400	Denis Philip SAP India, Mumbai
Expert Talk On UPSC competitive Exam	All department	300	Synergy ,Delhi

Industry Institute Interaction Cell activities and students training organized by T&P cell

Institute organizes training programme for students to prepare them for global employment of the market.

Table 1.1.5(C) Training programme attended by Students

Sr.no	Academic year	Name of company	No .of Student
1	2016-17	Zensar technology, Pune	28
	2016-17	Winjit Technology, Nashik	45
	2016-17	Visionary Technologies, Nashik	28
	2016-17	FOX Control, Nashik	11
2	2015 - 16	Zensar technology, Pune.	27
	2015 - 16	Times Pvt. Ltd., Nashik	61
3	2014 - 15	Zensar technology, Pune.	25
	2014 - 15	Times Pvt. Ltd., Nashik	30

Table 1.1.5(D) Industry based/ sponsored projects

Sr. no	Academic year	Department	No. of sponsored project group
1	2013-14	Mechanical engineering	19
		E & T C Engineering	01
		Computer Engineering	03

		Instrumentation and Control	06
2	2014-15	Mechanical Engineering	19
		E & T C Engineering	04
		Computer Engineering	08
		Instrumentation and Control	05
		Information Technology	03
3	2015-16	Mechanical Engineering	27
		Instrumentation and Control Engineering	08
		Computer Engineering	06
4	2016-17	Mechanical Engineering	25
		E & T C Engineering	04
		Computer Engineering	07
		Instrumentation and Control	06
		Information Technology	06
		MCA Engineering	05
		MBA	06

Faculty Contribution and Participation: Every year, faculties from various departments participated and contributed in various events like FDP, STTP, Workshops, and Seminars to improve teaching learning practices.)

Table 1.1.5(E) Faculty Contribution and Participation

Details of faculty participation in workshops / Seminars / Conferences	Number of faculty			
	2016-17	2015-16	2014-15	2013-14
Invited as resource persons in workshops/ Seminars/ Conferences organized by external professional agencies	3	4	3	7
Participated in external Workshops / Seminars/ Conferences recognized by national/ international professional Bodies	18	50	45	64
Presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies	18	31	47	61

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/ departments represented on the Board of Studies, student feedback, teacher

feedback, stakeholder feedback provided, specific suggestions etc.)Faculty of the institute contributes for the development of curriculum in the following ways.

- Faculty members are working as board of studies members as well as technical committee of SPPU Pune.
- Institute senior faculty members contribute their efforts in designing and developing curriculum at University level.
- Senior faculty members of the college are actively involved in syllabus revision process of the university.
- Senior faculty members of Institute are actively involved in university paper setting and paper assessment process.
- Institute served as a Central Assessment Programme (CAP) center for Second Year, Third Year Engineering and MCA Engineering.
- Following Faculty members have contributed in the development of curriculum at University level shown in Table 1.1.6(A)

Table 1.1.6(A) Contribution of Faculty at University level

Year	Name of Faculty	Contributed as
2016-17	Dr. B. B. Musmade	BOS Member of Instrumentation & Control Engg. SPPU Pune.
		BOS Member of Instrumentation Engg. GCOE Jalgaon.
2014-16	Dr. D. T. Khairnar	BOS Member of SPPU for Production and Operation Management, Pune.
2016-17	Dr. D .T. Khairnar	BOS Member of Sandip University for Commerce & Management, Nashik.
2016-17	Dr. S. R. Pachorkar	Appointed As A Subject Chairman for Export and Import Procedure Theory Paper –PGDBM SPPU, Pune.
2015-16	Dr. S. B. Sonawane	Subject Chairman (Energy audit and management) Mechanical Engg., SPPU Pune.
2016-17	Prof. V. M. Birari	Chairman for Paper Setting of Computer Network for Final year E & TC Engg., SPPU Pune.
2015-16	Prof. A. P Meshram	Chairman of Digital Electronics for second year E & TC Engg., SPPU Pune.
2012-13	Dr. V. S. Pawar	Subject Chairman (Data structure and Files), SPPU Pune.
2014-15	Prof. D. R. Gatne	Syllabus revision committee, SPPU Pune.
2011-12	Prof. B. S. Tarle	Second Year Engineering CAP Director, SPPU Pune.
2015-16	Dr. N.S. Patil	Third Year Engineering CAP Director, SPPU Pune.
2016-17	Prof. M. P. Chougale	Subject chairman (Geo Technical Engineering), Civil Engg. SPPU Pune.

2016-17	Dr. A. B. Saner	Third Year Engineering CAP Director, SPPU Pune.
2016-17	Prof. A. A. Kapse	Third Year Engineering CAP Director, SPPU Pune.
2016-17	Prof. Y. P. Patil	Subject Chairman (Process Loop Components, Applied Electronics), SPPU Pune

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

- Yes, Institute offered courses other than those under the purview of the affiliating university shown in Table 1.1.7(A)
- Industry Experts are invited to aware the students for new technologies in the respective domains.
- The Institute attracts meritorious students by providing value added courses such as:
 - **SAP:** Various modules are run under SAP like Material management, ABAP, Sales and distribution, Human Resource etc.
 - **Design Innovation Center (DIC):** The various courses are conducted under Design Innovation Center like Design and development of signal conditioning and sensor technology, advanced techniques for Environment watershed Management, Post graduate Diploma in Computer-aided Product Designs.

Table 1.1.7(A) Course offered by the institute other than curriculum

Year	Name of Course	Assessment for need	Design/ Structure	Development and Planning
2016-17	Pradhanmantri Kaushal Vikas Yojana, Govt.of India Skill Development Courses in 1]Iron and steel-Machinist 2] Plumbing Industry	To fabricate product components by studying their designs/ sample parts and fabricating the components using the appropriate tools and dies.	ISC/N0901-ISC/N0909 Total Marks-1000	Theoretical concepts, trainings on operation of machinery.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

Steps taken by the Institute to monitor and ensure the achievement of the stated objectives of curriculum:

- Institute has adopted Program Educational Outcomes, Program Outcomes, Course Objectives and Course Outcomes, which are in accordance with the University.

- Institute has implemented Outcome base education (OBE) framework as per the requirement.
- Mapping of courses with PO is carried out.
- Institute develops teaching learning process and infrastructure to meet the above requirement.
- Institute regularly monitors the attainment of the same. It may modify the academic process to meet the outcomes.
- Institute focus on feedback and suggestions of stakeholders to improve quality of teaching learning practices.
- Content beyond syllabus are covered through different activities like expert lectures, Guest lectures, Industrial Visits.

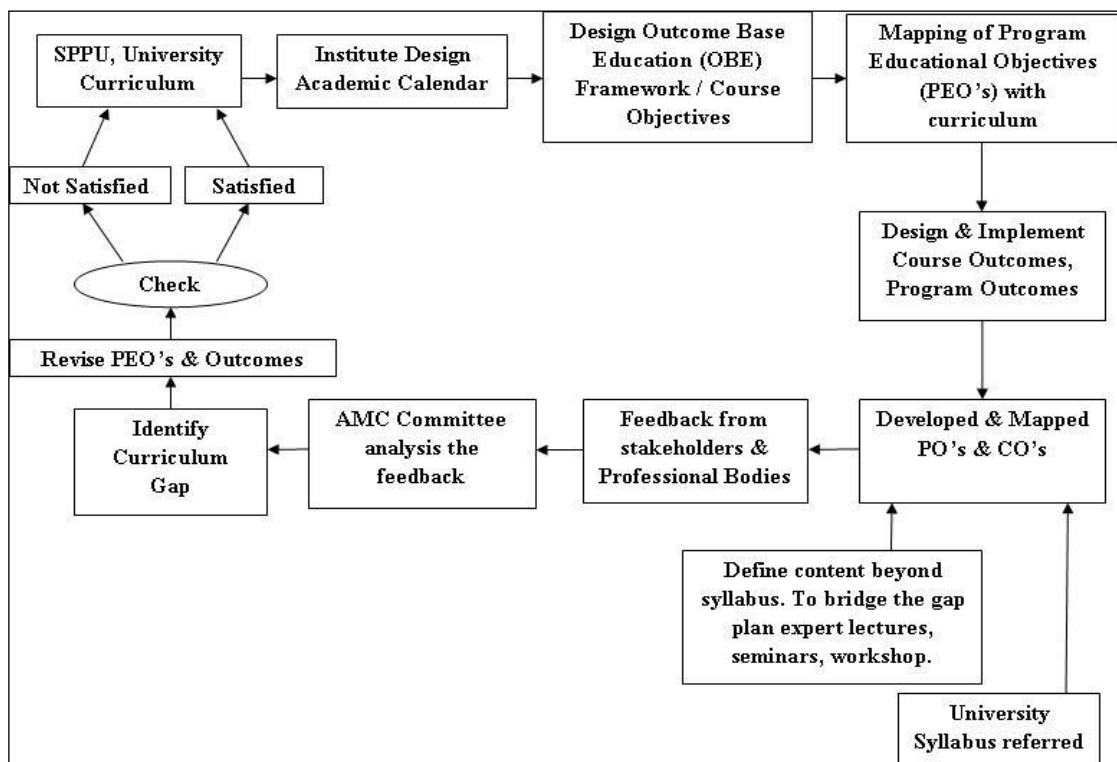


Fig. 1.1.8 (A) OBE Framework

Role of Academic Monitoring Committee (AMC):

- This committee is chaired by Principal of the Institute. All Dean and head of all departments is member of this committee. AMC used to monitor all the academics, student feedback and overall teaching learning process to achieve maximum academic performance of the students.
- AMC checks course files, theory and practical attendance sheets, Lab manuals, staff feedback etc. in every semester. Also this committee monitors the classes and interacts with students and faculty regularly.
- Mentor meeting are conducted to counsel the students and to discuss issues related to academics, hostel, personal issues, mess issues etc.
- AMC monitors all issues and take corrective measures with the consultation of Principal.
- The analysis and suggestions by AMC will benefit the institutional progress in quality education and research. It will also make sure about keeping the

transparency in faculty, staff and management with respect to objectives towards attainment of mission and vision of the Institute.

- AMC create a mechanism to integrate various academic activities, enhance supportive administrative tasks and effectively communicate to achieve quick actions and get impact on quality objectives of the Institute.

Academic Monitoring Committee (AMC)

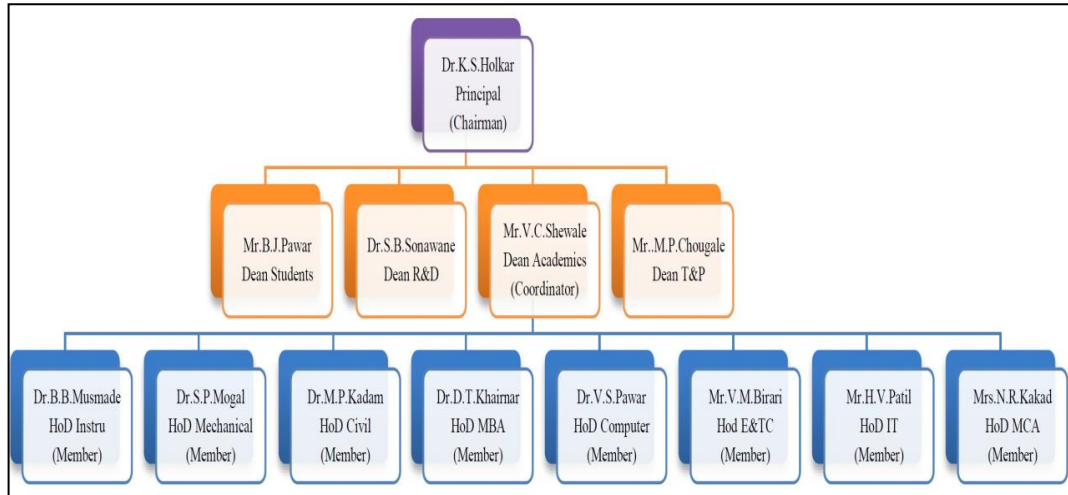


Fig. 1.1.8 (B) Academic Monitoring Committee (AMC)

Example 1:

Institute has done the mapping of each course outcome with the Program Outcomes to evaluate and achieve the teaching-learning outcome shown in Table 1.1.8(A) and Table 1.1.8 (B)

Program Education Objectives (PEO) of Mechanical Engineering

- PEO1: To prepare technocrats that can satisfy the need of mechanical and allied industries.
- PEO2: To develop critical thinking, problem solving skills, research aptitude and carrier and professionalism among the students.
- PEO3: To improve and expand technical and professional skills of students through effective teaching-learning and industry interaction.

Table 1.1.8(A) Example of Mapping of the courses of Mechanical department with the PO

Course code	Course title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
102013	Basic Mechanical Engineering	2	1	-	-	-	1	1	-	-	-	-	-
102014	Engineering Graphics II	-	-	1	-	2	-	-	-	-	-	-	-
107008	Engineering Mathematics III	3	2	-	-	1	-	-	-	-	-	-	2
202041	Manufacturing Process-I	2	-	-	-	-	2	1	-	-	-	-	-
202042	Computer Aided Machine Drawing	-	-	-	-	3	-	-	-	-	1	-	-
202043	Thermodynamics	2	3	1	2	1	1	-	-	-	1	-	-
202044	Material Science	1	-	1	-	1	1	2	-	-	-	-	-
202051	Strength of Materials	3	1	1	3	-	1	-	-	-	1	-	-
202045	Fluid Mechanics	2	2	1	2	1	-	-	-	-	1	-	-
202047	Soft Skills	-	-	-	-	-	-	-	3	3	2	-	2
202048	Theory of Machines-I	3	2	1	-	-	1	-	-	-	1	-	-
202049	Engineering Metallurgy	-	-	1	-	1	1	2	-	-	1	-	-
202050	Applied Thermodynamics	2	1	2	1	-	1	2	-	-	1	-	1
203152	Electrical and Electronics Engineering	2	1	-	-	-	-	-	-	2	-	-	-
202053	Machine Shop – I	-	-	-	-	-	1	1	-	-	-	-	-
302041	Design of Machine Elements – I	3	1	3	1	1	1	2	-	2	1	1	1
302042	Heat Transfer	3	2	2	-	1	-	1	-	-	1	-	1
302043	Theory of Machines-II	2	1	1	-	-	1	-	-	-	-	-	-
302044	Metrology and Quality Control	1	1	1	-	1	1	1	-	-	1	-	-
302045	Hydraulics and Pneumatics	1	1	1	-	1	1	-	-	-	-	-	-
302046	Skill Development	-	-	-	-	-	-	-	2	-	2	-	-
302047	Numerical Methods and Optimization	3	2	-	1	2	-	-	-	-	-	-	1
302048	Design of Machine Elements -II	2	2	3	1	1	1	2	-	1	1	1	1
302049	Turbo Machines	2	2	1	1	-	-	2	-	-	-	-	-
302050	Mechatronics	-	1	1	1	1	1	-	-	2	-	-	-
302051	Manufacturing Process-II	-	-	1	-	1	1	1	-	-	-	-	-

Course code	Course title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
302052	Machine Shop -II	-	-	-	-	1	1	1	-	-	-	-	-
302053	Seminar	-	2	-	-	-	-	-	3	2	3	-	2
402041	Refrigeration and Air Conditioning	2	1	2	-	1	1	2	-	-	1	1	1
402042	CAD/ CAM Automation	2	2	2	2	2	1	-	-	-	-	-	-
402043	Dynamics of Machinery	3	2	2	1	1	1	1	-	-	1	-	1
402044	Tribology (Elective-I)	3	2	2	1	-	-	2	-	-	-	-	1
402045	Advanced Manufacturing Processes (Elective-II)	-	-	1	-	1	2	1	-	-	-	-	1
402046	Project –I	-	2	-	-	-	-	-	2	3	3	3	2
402047	Power Plant Engineering	2	1	1	-	-	-	2	1	-	1	-	1
402048	Mechanical System Design	2	1	3	1	1	1	2	-	2	1	-	2
402049	Industrial Engineering (Elective-III)	-	-	-	-	-	1	-	-	-	-	1	1
402050	Finite Element Analysis (Elective -IV)	3	3	2	3	2	1	-	-	-	-	-	-
402051	Project – II	2	2	-	-	-	-	-	-	3	3	3	3

Institute has done the mapping of each course outcome with the Program Outcomes to evaluate & achieve the teaching learning outcome.

Mapping of Course Design of Machine Element-II (TE Mechanical Engineering) with the Program Outcomes.

Example 2:

- Course: Design of Machine Element-II (TE Mechanical Engineering)
- Course Outcomes:
 1. Ability to design and analyze Mechanical transmission systems
 2. Ability to design and select different types of bearings from manufacturer's catalogue.
 3. Enhancement in proficiency of CAD software for design and analysis so that students are capable to generate production drawing

Table 1.1.8(B) Mapping of Course Outcome with Program Outcome Rating (2- High Rating, 1- Low rating, 0- No rating)

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
1	1	1	2	0	0	1	0	0	2	2	0	1
2	1	1	2	0	0	1	0	0	2	2	0	1
3	0	0	0	0	2	0	0	0	2	1	0	1

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

- The provision of academic autonomy is provided to the final year students. Apart from the academic curriculum of university, Institute/departments offers certification courses which helps in development of employability skill of the student.
- Institute conducted various programmes to fulfill need of academic and Industry.
- Institute focus on Center of excellence in various stream of engineering.
- Institute consistently takes efforts to improve placement for students.
- Apart from the programme affiliated to SPPU, institute offered certification courses like SAP which basically serve the purpose of value addition. These courses enhance the employability skill of the students.

Table 1.2.1(A) Programmes conducted by Departments

Sr. No.	Training/workshop details	Conducted by	Department	Date /year
1	Training program on DCS and PLC for faculty and students	FOX Control Pvt. Ltd., Nashik	Instru. & Control Dept.	29/12/2016 to 30/12/2016

2	Training program on DCS and PLC for faculty and students	FOX Control Pvt. Ltd., Nashik	Instru. & Control Dept.	16/12/2016 to 17/12/2016
3	Winter Training Program for Instrumentation Engineering Students	Rashtriya Chemicals and Fertilizers Ltd. Chembur, Mumbai	Instru. & Control Dept.	05/12/2016 to 15/12/2016
4	Training program on “Automation Technology Covers PLC & SCADA”	Prolific System, Pune.	E&TC Dept	21/06/2016 to 24/09/2016
5	Workshop on “Electronics Products”	NDMVPS’s KBTCOE, Nashik	E&TC Dept	08/09/2016
6	Workshop on “ C Programming”	NDMVPS’s KBTCOE, Nashik	E&TC Dept	28/06/2016 to 30/06/2016
7	Embedded System	NDMVPS’s KBTCOE, Nashik	E&TC Dept	21/07/2016
8	VLSI Workshop	NDMVPS’s KBTCOE, Nashik	E&TC Dept	15/07/2016 to 16/07/2016
9	Workshop on “ PCB Design”	NDMVPS’s KBTCOE, Nashik	E&TC Dept	05/02/2016 to 06/02/2016
10	Entrepreneurship Training Program	NDMVPS’s KBTCOE, Nashik	E&TC Dept	14/07/2016 to 16/07/2016
11	Workshop on “ C Programming”	NDMVPS’s KBTCOE, Nashik	E&TC Dept	23/07/2016 to 24/07/2016
12	Vocational training program on Study of PLC and Instrumentation	TAACT, MIDC, Nashik.	Instru. & Control Dept	5/2016
13	STTP on Introduction to Structural Engineering.	NDMVPS’s KBTCOE, Nashik	Civil Dept	4/1/2016
14	PLC Training Program.	NDMVPS’s KBTCOE, Nashik	Instru. & Control Dept	19/9/2016 to 20/9/2016
15	One week training on Delta VDCS	NDMVPS’s KBTCOE, Nashik	Instru. & Control Dept	15/06/2015 to 19/06/2015
16	Six Days STTP on “C” Programming	NDMVPS’s KBTCOE, Nashik	Instru. & Control Dept	29/9/2016 to 8/10/2016
17	Inbound Training Program on Personality Development	Arya Hycinth –Pune	MBA Dept.	27/9/2016
18	Training program	NDMVPS’s KBTCOE,	E & TC Dept	15/7/2016

	on VLSI	Nashik		
19	Training program on “PCB Design” Conducted	Arya Technology, Nashik.	E & TC Dept	5/2/2016
20	Java Training	Zensar technology, Pune	IT Dept	2015-2016
21	Hibernate and spring MVC workshop	NDMVPS’s KBTCOE, Nashik	MCA Dept.	8/10/2016
22	UI Designing Sessions	NDMVPS’s KBTCOE, Nashik	MCA Dept.	13/8/2016
23	Software testing Sessions	NDMVPS’s KBTCOE, Nashik	Computer Dept	9/ 2016
24	Android App Development	NDMVPS’s KBTCOE, Nashik	Computer Dept	17/9/2016 to 1/10/2016
25	Applied CS with Android workshop	NDMVPS’s KBTCOE, Nashik	Computer Dept	24/10/2016 to 26/10/2016
26	Android App development Workshop	NDMVPS’s KBTCOE, Nashik	Computer Dept	17/09/2016 & 19/09/2016
27	One day workshop on Python	NDMVPS’s KBTCOE, Nashik	Computer Dept	08/02/2016
28	One Day-Outbound Training Programme	Gordon Noronha	MBA Dept	02/02/2016
29	Inbound Training Program	Arya Hycinth, Pune	MBA Dept	27/09/2016
30	Bigdata- Hadoop workshop	NDMVPS’s KBTCOE, Nashik	IT Dept	14/02/2015
31	Entrepreneurship Training Programme	NDMVPS’s KBTCOE, Nashik	MBA Dept	14/02/2015
32	Embedded System	NDMVPS’s KBTCOE, Nashik	E&TC Dept	03/08/2015
33	Workshop on “Ardino Processor ,Latex ,PCB Design”	NDMVPS’s KBTCOE, Nashik	E&TC Dept	13/02/2015 to 14/02/2015
34	Virtual Reality Sessions	NDMVPS’s KBTCOE, Nashik	MCA Dept	29/7/2015
35	One Day-Outbound Training Programme	By Shubhangi Kundalkar & Gordon Noronha	MBA Dept	04/10/2015
36	Inbound Training Program	Arya Hycinth, Pune	MBA Dept	08/10/2015
37	ERP Software Training	NDMVPS’s KBTCOE, Nashik	Civil Dept	2015
38	Auto-CAD Software Training	NDMVPS’s KBTCOE, Nashik	Civil Dept	2015

39	Water Audit Course	NDMVPS's KBTCOE, Nashik	Civil Dept	12/2015
40	Summer/Winter Training	BOSCH Ltd, MIDC, Satpur, Nashik.	Mechanical Dept.	2014-15
41	Summer/Winter Training	HAL, Ozar Nashik	Mechanical Dept k	2014-15
42	Summer/Winter Training	Mahindra & Mahindra Ltd.	Mechanical Dept	2013-14
43	Google Apps Workshop	NDMVPS's KBTCOE, Nashik	ComputerDept	21/10/2013
44	ERP Software Training	NDMVPS's KBTCOE, Nashik	Civil Dept	2013
45	Training program on DCS	Yokogawa Ltd, Bangalore.	Instru. & Control Dept.	21 07/2014 to 25/07/2014
46	Four days Training on Automation using PLC, SCADA for students	NDMVPS's KBTCOE, Nashik	Instru. & Control Dept.	02/09/2015 to 05/09/2015

Table 1.2.1(B) SAP course offered by Institute

Sr. No.	Name of the Students	Department	Duration	
			From	To
1	Mayur Gopal Gawari	Mechanical Engg.	20/06/2016	04/07/2016
2	Tushar kailash Shinde	Mechanical Engg.	20/06/2016	04/07/2016
3	ChinmayB. Kothawade	Mechanical Engg.	20/06/2016	04/07/2016
4	Saurabh S Gangurde	Mechanical Engg.	20/06/2016	04/07/2016
5	Ajinkya R Chaudhari	Mechanical Engg.	20/06/2016	04/07/2016
6	Vrushali L Khandizod	Mechanical Engg.	20/06/2016	04/07/2016
7	Tushar G Bafna	Mechanical Engg.	20/06/2016	04/07/2016
8	Shreyas C Ingale	Mechanical Engg.	20/06/2016	04/07/2016
9	Mayur S Jagtap	Mechanical Engg.	20/06/2016	04/07/2016
10	Rahul B Hire	Mechanical Engg.	20/06/2016	04/07/2016
11	Dipak S Nikam	Mechanical Engg.	20/06/2016	04/07/2016
12	Sagar Madhav Patil	Mechanical Engg.	20/06/2016	04/07/2016
13	Himanshu Jankar	Mechanical Engg.	20/06/2016	04/07/2016
14	Aditya Bodhare	Mechanical Engg.	20/06/2016	04/07/2016
15	SarkarPreetam Sukumar	Mechanical Engg.	20/06/2016	04/07/2016
16	Dalwani Vicky Kishor	Mechanical Engg.	20/06/2016	04/07/2016
17	Khole Vijay Sanjay	Mechanical Engg.	20/06/2016	04/07/2016
18	Kunal Girish Potdar	Mechanical Engg.	20/06/2016	04/07/2016

19	Dugad Darshan Hiralal	Mechanical Engg.	20/06/2016	04/07/2016
20	Thakur Shubham	Instrumentation	20/06/2016	04/07/2016
21	Rutuja Kshatriya	Instrumentation	20/06/2016	04/07/2016
22	Rishikesh Ukande	MBA	20/06/2016	04/07/2016
23	Mechkul sonal	MBA	20/06/2016	04/07/2016
24	Shraddha Virghat	MCA	20/06/2016	04/07/2016
25	Kartika Pillai	MCA	20/06/2016	04/07/2016
26	Shubhada Ranalkar	MCA	20/06/2016	04/07/2016
27	Prashant Vadnere	E & T C	20/06/2016	04/07/2016
28	Divya Zalte	E & T C	20/06/2016	04/07/2016
29	Pritam Purkar	E & T C	20/06/2016	04/07/2016

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

- No, Institution does not offer any programme facilitating twinning / dual degree.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

- Range of Core/ Elective options offered by the University and those opted by the college
- Choice Based Credit System and range of subject options
- Courses offered in modular form
- Credit transfer and accumulation facility
- Lateral and vertical mobility within and across programmes and courses
- Enrichment Courses

Range of Core/ Elective options offered by the University and those opted by the college

- The Institute offers open elective subjects to final year students.
- Institute gives flexibility to final year students to choose Elective subjects.
- The Institute /department motivate students to select elective subject.
- Choice of electives is based on the requirements of industry and higher education for UG/PG programmes.

Choice Based Credit System and range of subject options

- Institute offered Choice Based Credit System for PG courses.

Lateral and vertical mobility within and across programmes and Courses

- After completion of First year engineering students have given vertical mobility to change the programme as per guidelines by Director of Technical Education (DTE).

- Branch change facility is available for direct second year and regular admitted students as per guidelines by Director of Technical Education (DTE).
- Summary of students who take benefit of branch change facility shown in Table 1.2.3(A)
- Summary of Direct Second year branch wise admitted students shown in Table 1.2.3(B)

Table 1.2.3(A) Summary of students who took benefit of branch change facility:

Sr. No.	Course	2013-14		2014-15		2015-16		2016-17	
		Out	In	Out	In	Out	In	Out	In
1	Mechanical Engineering	-	4	-	4	-	6	-	-
2	Computer Engineering	5	-	1	-	1	1	-	2
3	Civil Engineering	-	2	-	1	-	-	-	1
4	E & TC Engineering	1	1	4	1	5	-	-	-
5	Instrumentation and Control	1	-	-	-	-	2	-	1
6	Information Technology	-	-	2	1	3	-	4	-

Table 1.2.3(B) Summary of Direct Second year Branch wise admitted Students

Sr. No.	Name of the Department	2013-14	2014-15	2015-16	2016-17
1	Mechanical Engineering	35	36	28	49
2	Computer Engineering	25	19	24	18
3	Civil Engineering	12	27	12	23
4	E & T. C.	29	20	30	34
5	Instrumentation and Control Engg.	17	25	24	07
6	Information Technology	21	23	34	34
7	MCA	16	56	-	-

Enrichment Courses:

Table 1.2.3(C) Enrichment Courses

Department	Title of Programme	Date	No. of participant
Mechanical	Higher Education in foreign universities	24/01/2014	60
	Higher Education in foreign universities	16/01/2015	60
	Higher Education in Germany	31/07/2015	100
	Higher Education in Germany	01/08/2014	114
MCA	Workshop on Advance java	8/10/2016	17
	UI Designing Sessions	13/08/2016	17
	Software testing Sessions	09-2016	17

	Virtual Reality Sessions	29/07/2015	50
MCA	IOT Interactive Sessions	11/2015	51
	Web Development in PHP Sessions	2015	50
	.NET Sessions	28/02/2015	40
	Basics of Web Development	2015	17
	Google Apps Workshop	21/10/2013	55
IT	Android App Development	17/09/2016 to 01/10/2016	137
	Big data & Hadoop	30/8/2016 to 02/9/2016	75
	Soft Skill session	Aug 2016	56
Computer	Applied CS with Android workshop	24/10/2016 to 26/10/2010	30
	DST workshop on Entrepreneurship Development	14/07/2016 to 16/07/2016	15
	One day workshop on Python	08/02/2016	120
	Hadoop-Big data workshop	14/02/2015	71
Civil	Entrepreneurship Development	16/09/2016	200
	View towards the life	12/01/2016	200
	MSP Software Training	2015	24
	ERP Software Training	2015	50
	Auto-CAD Software Training	2015	100
	Water Audit Course	2015	80
	ERP Software Training	2013	80
Instru. & Control	5 Days training on Automation Using PLC,SCADA	2/9/16 to 6/9/16	28
	Six Days STTP on "C" Programming	29/9/16 to 8/10/16	11
E& TC	Workshop on "Automation Technology Covers PLC & SCADA"	21/9/2016 to 24/09/2016	46
	Traffic Awareness Training Program at Children Traffic Education Park ,	17/09/2016	78
	Workshop on "Electronics Products"	08/09/2016	151
	Workshop on " C Programming"	28 /6/2016 to 30/6/2016	37
	Visit at Dharampur Science Center, Gujrat.	29/07/2016	70
	Workshop on Embedded System	21/07/2016	81
	VLSI workshop	15/07/2016 to 16/07/2016	56

	Workshop on “ Personality Development”	16/02/2015	59
	Workshop on “ Arduino Procesor ,Latex ,PCB Design”	13/02/2015 to 14/02/2015	62
	Workshop on “ Personality Development”	05/09/2014	10
	AICTE –BSNL Employability Enhancement Program	11/08/2014	30
	Automation System	07/03/2014	47
	Workshop on “ Personal Power	22/02/2014	74
	Power of MBA	13/02/2014	127
	Emotional Freedom Technique EFT	31/01/2014	118
	Campus to Corporate	14/09/2013	129
	Etiquette & Manners	5/9/2013	130
	Workshop on “Practical Oriented Electronics Workshop on Industrial Approach For Electronics	30/08/2013 to 31/08/2013	68
	How to Crack GATE	27/07/2013	66
	How to Crack GATE & CAT	25/7/2013	67
	Practical Orientation on Industrial Approach For Electronics	10/7/2013	148
	Personality Development	6/7/2013	80
MBA	Soft Skill Development By Nandita Ray	10/09/2013	60
	Soft Skill Development By Neeta Nigam	01/09/2014	60
	Inbound Training Program by AryaHycinth	10/09/2014	60
	03-Days Outbound Training Program by Arya Hycinth	25/02/2015 to 27/02/2015	20
	Soft Skill Development By Gordon Sir	05/03/2015	60
	One Day-Outbound Training Programme by Shubhangi Kundalkar & Gordon Noronha	04/10/2015	60
MBA	Inbound Training Program by Arya Hycinth	08/10/2015	60
	One Day-Outbound Training Programme by Gordon Noronha	02/02/2016	60
	Inbound Training Program by Arya Hycinth	27/09/2016	60
	Soft Skill Development By Gordon Noronha	22/08/2016	60
Institute	Zensar Training	2015-2016	48
	Entrepreneurship Awareness Camp	2014	10
	Entrepreneurship Awareness Camp	2016	10

	Zensar Training	2014-2015	45
	Entrepreneurship Awareness Camp	14/07/2016 to 16/07/2016	15
	Big data and Hadoop	01/09/2016 to 03/09/2016	77

1.2.4 Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes, all programmes are self-financed.

- Institution Admission process is regulated by the guideline of Directorate of Technical Education board (DTE).
- Institute academic curriculum is prescribed by Savitribai Phule Pune University (SPPU).
- Institute Fees Structure is governed by “Shikshan Shulk Samiti” (SSS), Govt. of Maharashtra.
- Institute Teacher qualification and salary is decided and monitored as per the rules and regulation of All India Council of Technical Education (AICTE).

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

Yes, Institute provides additional skill oriented programmes, which are relevant to regional and global employment markets. Details of such programme are shown in Table 1.2.5(A)

Table 1.2.5(A) Programmes conducted by department

Department	Year	Programme Title	Need and Assessment	Design and Planning	Resources Institute/Person (Location)
E & TC	2013-14	BSNL Training Programme	To develop & learn the ability to select essential elements & practices needed using telecom sector	40 hrs	BSNL Training Center, MIDC, Satpur, Nashik, Sponsored by AICTE, New Delhi
	2014-15	BSNL Training Programme	To develop & learn the ability to select essential elements & practices needed using telecom sector	40 hrs	BSNL Training Center, MIDC, Satpur, Nashik, Sponsored by AICTE, New Delhi
	2015-16	PLC & SCADA	To develop & learn to implement the engineering Automation	40 hrs	Prolific Automation Training Center, Pune

			using PLC approach.		
E & TC	2016-17	PLC & SCADA	To develop & learn to implement the engineering Automation using PLC approach.	40 hrs	Prolific Automation Training Center, Pune
	2016-17	C programming with Data Structure	To develop & learn fundamentals & practical approach to Data Structure.	Six days	SEED Info Tech, Nashik Division
Mechanical	2014-15	GATE Training-GATE 2015	For higher education and opportunities in Government jobs in favor of the students	Every week end in a year.	GATE Forum, Nashik. Mr. Vishal Patil & Mr. Amit Mane
MCA	2013-2014	Mozilla Inc. Workshop	To spread open web ideologies	One day	Mr. Yoman Patil, Mozilla Inc.
		Google Apps Workshop	To get familiar with Google apps	3- hrs	Mr. Shashank Todwal, UMS Tech Labs.
	2014-2015	.NET Sessions	To know .NET framework	2-hrs	Mr. Sudhir Gorade Sumago Infotech
		Basics of Web Development	To Know the basics of web development	2-hrs	Miss Yogita Shewale,
	2015-2016	IOT Interactive Sessions	to know IOT concepts & Implementations	2-hrs	Mr. Prakash Ekhande, Emerging Technologies
		Virtual Reality Sessions	to know VR concepts & Implementations	3-hrs	Mr. Manas Gajre ,Zabuza Labs
		Web Development in PHP Sessions	To get acquainted with Web development skill	2-hrs	Mr. Rakesh Pawar, Shankuntal Infotech
	2016-2017	UI Designing Sessions	Enhance Front-end designing skill	One day	Mr. Chaitnya Dhomase, Fervour Brother's Academy, Nashik
	2016-2017	Software testing Sessions	To Assess Software Quality	2-hrs	Mr. Rajiv Shirsalkar, Lo-Tech Pro,

					Nashik
	2016-2017	Hibernate & Spring MVC Workshop	To aware about the Java Development Frameworks in IT Firms	One day	Mr.Swapnil Kulkarni,Kanak a Softwares, Pune
IT	2016 - 2017	Big Data & Hadoop	Students will understand the concepts of the Hadoop framework and its deployment in a cluster environment.	Two days work shop	Mr. Pankaj Singh , Altron Solution
	2016 - 2017	Android App. Development	To learn and develop applications in the latest operating system with practical implementation and begin managing your own cool applications like a professional at this workshop	Two days workshop	NDMVPS's KBT COE,Nashik
COMP	2013-14	.NET and Cloud	To understand concept of .NET and Cloud	One Day	WINJIT
	2013-14	Cyber Security and Penetration Testing	To understand concept of Cyber Security	One Day	Cybertech Global learning Solution New Delhi
	2014-15	Hadoop-Big data	Students will understand the concepts of the Hadoop and Big Data	One Day	Pragma Educorp
	2015-16	Workshop on Python	To understand concept of Python	One Day	Mr. Ganesh Gudekar
	2016-17	Big Data and Hadoop	Students will understand the concepts of the Big Data and Hadoop	Three Days	Mr. Pankaj Singh , Altron Solution
	2016-17	Android app Development Workshop	To understand concept of Android app Development	Two Days	Vijayeta Bhat WINJIT
	2016-17	Applied CS with Android	To Learn and understand	Three Days	Shubham Totala

		workshop	concept of Applied CS with Android		Google(Under CS Education Programme)
MBA	2015-16	Inbound Training Programme	Personality Development by Arya Hycinth - Pune	One day training programme	One day Inbound training is organized to improve Leadership qualities, group dynamics and teamwork among the students.
	2015-16	Workshop	Soft Skill Development by Gordon Sir	One day Workshop	To improve Soft Skill and Business Communication Programme to improve communication and stage daring.
	2014-15	Inbound Training Programme	Personality Development by Arya Hycinth - Pune	One day training programme	To improve Leadership qualities, group dynamics and teamwork among the students.
MBA	2014-15	Outbound Training Programme	Personality Development by Arya Hycinth - Pune	Three days training programme	To improve Leadership qualities, group dynamics and teamwork among the students.
	2014-15	Workshop	Soft Skill Development by Gordon Sir	One day Workshop	To improve Soft Skill and business communication programme to improve communication and stage daring.
Instru. and Control	2016-17	Training Program	Training Program on DCS and PLC	Two days training	To Improve the skills practical hands on different kits.

Institute offered additional skill oriented programme for global employment of market shown in Table 1.2.5(B)

Table 1.2.5(B) Skill oriented programme offered by Institute

Year	Name of the Programme	No. of student beneficiaries	Resources Institute/ Person (Location)
2014-15	Campus Recruitment Training Programme	61	Mr. Krunal Dhakate Center Director, Time Nashik
2014-15	Zensar Training	45	Mr. Nadeem Shaikh Zensar pvt. Ltd.,Pune.
2015-16	Campus Recruitment Training Programme	37	Mr. Krunal Dhakate Time Nashik
2015-16	Zensar Training	48	Mr. Aakash Thakur Zensar pvt. Ltd., Pune.
2016-17	Soft skill development	90	Dr.Vinod Parekh
2016-17	Soft Skills	56	Ms. Heena Jain Akshay Study
2016-17	Big Data and Hadoop	44	Mr. Pankaj Singh Altron solution
2016-17	SAP	60	Mr. Nishid Sharma
2016-17	Zensar Training	28	Mr. Nadeem Sayyed, Pune
2016-17	Winjit Technology	45	Mr. Ketan Lohar

Table 1.2.5(c) SAP Course offered by Institute

Sr. No.	Name of the Students	Department	Duration	
1	Mayur Gopal Gawari	Mechanical Engg.	20/06/2016	04/07/2016
2	Tushar kailash Shinde	Mechanical Engg.	20/06/2016	04/07/2016
3	Chinmay Kothawade	Mechanical Engg.	20/06/2016	04/07/2016
4	Saurabh S Gangurde	Mechanical Engg.	20/06/2016	04/07/2016
5	Ajinkya R Chaudhari	Mechanical Engg.	20/06/2016	04/07/2016
6	Vrushali L Khandizod	Mechanical Engg.	20/06/2016	04/07/2016
7	Tushar G Bafna	Mechanical Engg.	20/06/2016	04/07/2016
8	Shreyas C Ingale	Mechanical Engg.	20/06/2016	04/07/2016
9	Mayur S Jagtap	Mechanical Engg.	20/06/2016	04/07/2016
10	Rahul B Hire	Mechanical Engg.	20/06/2016	04/07/2016
11	Dipak S Nikam	Mechanical Engg.	20/06/2016	04/07/2016
12	Sagar Madhav Patil	Mechanical Engg.	20/06/2016	04/07/2016
13	Himanshu Jankar	Mechanical Engg.	20/06/2016	04/07/2016
14	Aditya Bodhare	Mechanical Engg.	20/06/2016	04/07/2016
15	Sarkar Preetam	Mechanical Engg.	20/06/2016	04/07/2016

16	Dalwani Vicky Kishor	Mechanical Engg.	20/06/2016	04/07/2016
17	Khole Vijay Sanjay	Mechanical Engg.	20/06/2016	04/07/2016
18	Kunal Girish Potdar	Mechanical Engg.	20/06/2016	04/07/2016
19	Dugad Darshan Hiralal	Mechanical Engg.	20/06/2016	04/07/2016
20	Thakur Shubham	Instrumentation	20/06/2016	04/07/2016
21	Rutuja Kshatriya	Instrumentation	20/06/2016	04/07/2016
22	Rishikesh Ukande	MBA	20/06/2016	04/07/2016
23	Mechkul sonal	MBA	20/06/2016	04/07/2016
24	Shraddha Virghat	MCA	20/06/2016	04/07/2016
25	Kartika Pillai	MCA	20/06/2016	04/07/2016
26	Shubhada Ranalkar	MCA	20/06/2016	04/07/2016

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

- Not Applicable.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

Integration of Institute goals and objectives with University curriculum

- Institute focuses on improving student’s academic results.
- In Institute each department conducts remedial classes for weak students to improve their performance.
- Faculty members also deliver contents beyond syllabus in theory as well as practical sessions.
- Tutorials and assignments are made mandatory parts of the regular academic process in order to enhance their learning skills.
- Mini projects and soft skill programme are also included in the curriculum to enrich the application of knowledge and develop team building skills.
- Institute arranged workshops, seminars and training programmes to understand contents beyond syllabus.
- Value added Programmes are conducted to make students employable.
- Training in soft skills is conducted for students by the eminent personalities.
- Students are encouraged to work in industries as interns during vacation and also take up industry sponsored projects.
- Institute and departments take special efforts to strengthen industry institute interaction.
- In Institute all departments conduct technical event like KSHITIJ, MECHANZA, ELICIT, INSTRUBOTICS, STHAPATYA.
- Institute offeres skill development programmes like SAP, DIC.

- Institute organizes social programmes under NSS activity like Blood donation camp, Tree plantation, Traffic Rally, Godavari Cleaning, Road safety, No vehicle day, MVP marathon, Sawchhhata abhiyan etc.

Example:

Outcome Base Education (OBE) Framework:

One such example of Program Educational Objectives and Outcomes of Mechanical Engineering are stated below.

Vision of Mechanical Engineering

To be the Center for excellence and Center of learning for innovation, incubation and research in the domain of product design, thermal engineering and manufacturing technology thereby path finder for professionalism, entrepreneurship and new knowledge contributing to the common masses.

Mission of Mechanical Engineering

To educate and train undergraduate and post graduate students in Mechanical Engineering by inculcating the values for discipline, quality and transparency and profession development in the job and self-employment emphasis industry based practices.

Program Education Objectives (PEO's)

- PEO1: To prepare technocrats that can satisfy the need of mechanical and allied industries.
- PEO2: To develop critical thinking, problem solving skills, research aptitude and carrier and professionalism among the students.
- PEO3: To improve and expand technical and professional skills of students through effective teaching, learning and industry interaction.

Table 1.3.1(A) Mapping of Program Outcome with Course outcome (Mechanical Engineering)

Course code	Course title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
102013	Basic Mechanical Engineering	2	1	-	-	-	1	1	-	-	-	-	-
102014	Engineering Graphics II	-	-	1	-	2	-	-	-	-	-	-	-
107008	Engineering Mathematics III	3	2	-	-	1	-	-	-	-	-	-	2
202041	Manufacturing Process-I	2	-	-	-	-	2	1	-	-	-	-	-
202042	Computer Aided Machine Drawing	-	-	-	-	3	-	-	-	-	1	-	-
202043	Thermodynamics	2	3	1	2	1	1	-	-	-	1	-	-
202044	Material Science	1	-	1	-	1	1	2	-	-	-	-	-
202051	Strength of Materials	3	1	1	3	-	1	-	-	-	1	-	-
202045	Fluid Mechanics	2	2	1	2	1	-	-	-	-	1	-	-
202047	Soft Skills	-	-	-	-	-	-	-	3	3	2	-	2
202048	Theory of Machines-I	3	2	1	-	-	1	-	-	-	1	-	-
202049	Engineering Metallurgy	-	-	1	-	1	1	2	-	-	1	-	-
202050	Applied Thermodynamics	2	1	2	1	-	1	2	-	-	1	-	1
203152	Electrical and Electronics Engineering	2	1	-	-	-	-	-	-	2	-	-	-
202053	Machine Shop – I	-	-	-	-	-	1	1	-	-	-	-	-
302041	Design of Machine Elements – I	3	1	3	1	1	1	2	-	2	1	1	1
302042	Heat Transfer	3	2	2	-	1	-	1	-	-	1	-	1
302043	Theory of Machines-II	2	1	1	-	-	1	-	-	-	-	-	-
302044	Metrology and Quality Control	1	1	1	-	1	1	1	-	-	1	-	-
302045	Hydraulics and Pneumatics	1	1	1	-	1	1	-	-	-	-	-	-
302046	Skill Development	-	-	-	-	-	-	-	2	-	2	-	-
302047	Numerical Methods and Optimization	3	2	-	1	2	-	-	-	-	-	-	1
302048	Design of Machine Elements -II	2	2	3	1	1	1	2	-	1	1	1	1
302049	Turbo Machines	2	2	1	1	-	-	2	-	-	-	-	-
302050	Mechatronics	-	1	1	1	1	1	-	-	2	-	-	-
302051	Manufacturing Process-II	-	-	1	-	1	1	1	-	-	-	-	-

Course code	Course title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
302052	Machine Shop -II	-	-	-	-	1	1	1	-	-	-	-	-
302053	Seminar	-	2	-	-	-	-	-	3	2	3	-	2
402041	Refrigeration and Air Conditioning	2	1	2	-	1	1	2	-	-	1	1	1
402042	CAD/ CAM Automation	2	2	2	2	2	1	-	-	-	-	-	-
402043	Dynamics of Machinery	3	2	2	1	1	1	1	-	-	1	-	1
402044	Tribology (Elective-I)	3	2	2	1	-	-	2	-	-	-	-	1
402045	Advanced Manufacturing Processes (Elective-II)	-	-	1	-	1	2	1	-	-	-	-	1
402046	Project –I	-	2	-	-	-	-	-	2	3	3	3	2
402047	Power Plant Engineering	2	1	1	-	-	-	2	1	-	1	-	1
402048	Mechanical System Design	2	1	3	1	1	1	2	-	2	1	-	2
402049	Industrial Engineering (Elective-III)	-	-	-	-	-	1	-	-	-	-	1	1
402050	Finite Element Analysis (Elective-IV)	3	3	2	3	2	1	-	-	-	-	-	-
402051	Project – II	2	2	-	-	-	-	-	-	3	3	3	3

Institute has done the mapping of each course outcome with the Program Outcomes to evaluate & achieve the teaching learning outcome.

Mapping of Course Design of Machine Element-II (TE Mechanical Engineering) with the Program Outcomes.

Example 2:

- Course: Design of Machine Element-II (TE Mechanical Engineering)
- Course Outcomes:
 1. Ability to design and analyze Mechanical transmission systems
 2. Ability to design and select different types of bearings from manufacturer's catalogue.
 3. Enhancement in proficiency of CAD software for design and analysis so that students are capable to generate production drawing

Table 1.3.1(B) Mapping of Course Outcome with Program Outcome

Rating (2- High Rating, 1- Low rating, 0- No rating)

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
1	1	1	2	0	0	1	0	0	2	2	0	1
2	1	1	2	0	0	1	0	0	2	2	0	1
3	0	0	0	0	2	0	0	0	2	1	0	1

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

- Institute has established Industry Institute Interaction (III) cell to bridge up gap between Industry and Institute.
- Industry Institute Interaction (III) cell interacts with various companies and collects information about the current needs of dynamic employment market. These requirements are communicated to all the departments.
- Institute has started one innovative programme named as SAP which focuses on improving employability skills among the students.
- Institute has started MVP SAP center under this various courses are started viz. Procurement, Sales and Distribution, Financial Accounting, ABAP and HRM.
- Every department has professional student association to supplement the university curriculum by implanting leadership and managerial skill in the students.
- Institute motivates students to participate in events like Mechanza, Kshitij, Stapatya, Instrubotics, Elicit, poster competition etc. to enhance their collaborative skills.
- Guest lectures, seminars, workshops are arranged by all department of Institute.
- Soft skill classes are conducted by Institute.
- Institute provides additional skill oriented programmes, which are relevant to regional and global employment market. Refer table 1.2.5 (B)
- Soft skills and communication classes are conducted by expert visiting faculty

Table 1.3.2(A) Programmes conducted by Institute / Department

Department	Year	Programme Title	Need and Assessment	Design and Planning	Resources Institute/Person (Location)
E & TC	2013-14	BSNL Training Programme	To develop & learn the ability to select essential elements & practices needed using telecom sector	40 hrs	BSNL Training Center, MIDC, Satpur, Nashik, Sponsored by AICTE, New Delhi
	2014-15	BSNL Training Programme	To develop & learn the ability to select essential elements & practices needed using telecom sector	40 hrs	BSNL Training Center, MIDC, Satpur, Nashik, Sponsored by AICTE, New Delhi
	2015-16	PLC & SCADA	To develop & learn to implement the engineering Automation using PLC approach.	40 hrs	Prolific Automation Training Center, Pune
E & TC	2016-17	PLC & SCADA	To develop & learn to implement the engineering Automation using PLC approach.	40 hrs	Prolific Automation Training Center, Pune
	2016-17	C programming with Data Structure	To develop & learn fundamentals & practical approach to Data Structure.	Six days	SEED Info Tech, Nashik Division
Mechanical	2014-15	GATE Training-GATE 2015	For higher education and opportunities in Government jobs in favor of the students	Every week end in a year.	GATE Forum, Nashik. Mr. Vishal Patil & Mr. Amit Mane
MCA	2013-2014	Mozilla Inc. Workshop	To spread open web ideologies	One day	Mr. Yoman Patil, Mozilla Inc.
		Google Apps Workshop	To get familiar with Google apps	3-hrs	Mr. Shashank Todwal, UMS Tech Labs.
	2014-	.NET	To know .NET	2-hrs	Mr. Sudhir

	2015	Sessions	framework		Gorade Sumago Infotech
		Basics of Web Development	To Know the basics of web development	2-hrs	Miss Yogita Shewale,
	2015-2016	IOT Interactive Sessions	to know IOT concepts & Implementations	2-hrs	Mr. Prakash Ekhande, Emerging Technologies
		Virtual Reality Sessions	to know VR concepts & Implementations	3-hrs	Mr. Manas Gajre ,Zabuza Labs
		Web Development in PHP Sessions	To get acquainted with Web development skill	2-hrs	Mr. Rakesh Pawar, Shankuntal Infotech
	2016-2017	UI Designing Sessions	Enhance Front-end designing skill	One day	Mr. Chaitnya Dhomase, Fervour Brother's Academy, Nashik
	2016-2017	Software testing Sessions	To Assess Software Quality	2-hrs	Mr. Rajiv Shirsalkar, Lo-Tech Pro, Nashik
2016-2017	Hibernate & Spring MVC Workshop	To aware about the Java Development Frameworks in IT Firms	One day	Mr. Swapnil Kulkarni, Kanaka Softwares, Pune	
IT	2016 - 2017	Big Data & Hadoop	Students will understand the concepts of the Hadoop framework and its deployment in a cluster environment.	Two days work shop	Mr. Pankaj Singh , Altron Solution
	2016 - 2017	Android App. Development	To learn and develop applications in the latest operating system with practical implementation and begin managing your own cool applications like a professional at this workshop	Two days workshop	NDMVPS's KBT COE, Nashik

COMP	2013-14	.NET and Cloud	To understand concept of .NET and Cloud	One Day	Winjit technology, Nashik.
	2013-14	Cyber Security and Penetration Testing	To understand concept of Cyber Security	One Day	Cybertech Global learning Solution New Delhi
	2014-15	Hadoop-Big data	Students will understand the concepts of the Hadoop and Big Data	One Day	Pragma Educorp
	2015-16	Workshop on Python	To understand concept of Python	One Day	Mr. Ganesh Gudekar
	2016-17	Big Data and Hadoop	Students will understand the concepts of the Big Data and Hadoop	Three Days	Mr. Pankaj Singh , Altron Solution
	2016-17	Android app Development Workshop	To understand concept of Android app Development	Two Days	Vijayeta Bhat WINJIT
	2016-17	Applied CS with Android workshop	To Learn and understand concept of Applied CS with Android	Three Days	Shubham Totala Google(Under CS Education Programme)
MBA	2015-16	Inbound Training Programme	Personality Development by Arya Hycinth - Pune	One day training programme	One day Inbound training is organized to improve Leadership qualities, group dynamics and teamwork among the students.
	2015-16	Workshop	Soft Skill Development by Gordon Sir	One day Workshop	To improve Soft Skill and Business Communication Programme to improve communication and stage daring.
	2014-15	Inbound Training Programme	Personality Development by Arya Hycinth - Pune	One day training programme	To improve Leadership qualities, group dynamics and

					teamwork among the students.
MBA	2014-15	Outbound Training Programme	Personality Development by Arya Hycinth - Pune	Three days training programme	To improve Leadership qualities, group dynamics and teamwork among the students.
	2014-15	Workshop	Soft Skill Development by Gordon Sir	One day Workshop	To improve Soft Skill and business communication programme to improve communication and stage daring.
Instrumentation and Control	2016-17	Training Program	Training Program on DCS and PLC	Two days training	To Improve the skills practical hands on different kits.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

Efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc.,

Table 1.3.3(A) Efforts made by the institution

Cross cutting issues	Activities/efforts made
Gender	Women empowerment Cell, Women grievances Redressal cell
Climate change	Climate change, Tree Plantation
	Social work environment awareness and climate control
Environmental Education	Tree plantation, rain water harvesting, Environmental related subjects in curriculum, Swachhata Mohim, Gram Swachhata Abhiyan, Plastic Nirmulan, Road Safety Awareness, Apatti Management, Godavari Cleaning Abhiyan
Human rights	Anti ragging, Women grievances Redressal cell, Road Safety Abhiyan , Matdar Nondani Abhiyan, Ahinsa Din
Information communication Technology(ICT)	E-learning resources, Use of modern teaching aids like NPTEL Videos, ppts, etc

Table 1.3.3(B) Programmes Conducted under NSS Activity

Academic Year	Activities	Participant	Venue
2013-14	Blood Donation Camp	121	NDMVPS's KBT COE
	Tree Plantation	20	NDMVPS's KBT COE
	Ahinsa Din	60	NDMVPS's KBT COE
2014-15	Blood Donation Camp	103	NDMVPS's KBT COE
	Tree Plantation	20	NDMVPS's KBT COE
	Health Checkup	120	NDMVPS's KBT COE
2015-16	Health Checkup	681	KTHM Campus
	Blood Donation Camp	85	NDMVPS's KBT COE
	Road Safety Abhiyan	45	NDMVPS's KBT COE
2016-17	Road Safety Abhiyan	45	Children Traffic Park,
	Health Checkup	580	KTHM Campus
	Blood Donation	102	NDMVPS's KBT COE
	Swachhata Mohim	75	NDMVPS's KBT COE
	Matdar Nondani Abhiyan	250	NDMVPS's KBT COE

Table 1.3.3(C) NSS Camp Details

Year	Name of Camp	Detail of work under taken camp	Place of Camp	Duration
2013-14	Winter camp	Environment Awareness	Village Matori, Nashik.	23/12/2013 to 30/12/2013
		GramSwachhata Abhiyan		
		Tree Plantation		
		Woman Empowerment		
2014-15	Winter camp	Gram Swachhta abhiyan	Trimmbakeshwar	15/12/2014 to 21/12/2014
		Plastic Nirmulan		
		Road safety Awarness		
2015- 16	Winter camp	Gram Swachhta abhiyan	Village Govardhan, Nashik.	21/12/2015 to 27/12/2015
		Woman Empowerment		
		Personality development		
		Environment awerness		
		Appati Managment		
2016-17	Winter camp	Avayav dan Abhiyan	Village Tiradshet, Nashik.	19/12/2016
		Woman Empowerment		
		Personality development		
		Environment awerness		
		Appati Managment		

Activities Conducted Under NSS



Visit to Traffic Education park



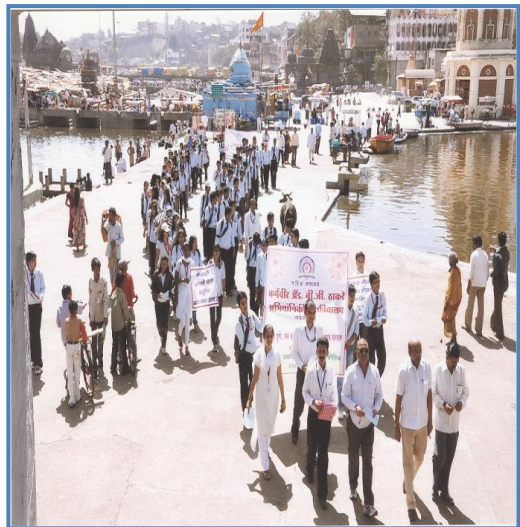
Road Safety Awareness



Tree plantation and swachhata Abhiyan



Blood Donation Camp



Godavari cleaning & Godavari Padyatra at Ramkund



Tree plantation

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

Moral and ethical values
Employable and life skills
Better career options
Community orientation

Moral and ethical values

- Guest lectures on moral ethical values.
- Yoga Club.
- National Anthem, National Song.



Fig 1.3.3.2 Yoga Activity conducted on yoga day.

Employable & life skills

- To increase employable skills in students, Institute has developed T & P and EDP cell. This cell conducts different activities like, GATE coaching classes, soft skill classes, expert talk etc.
- To increase life skills in students, Art of Living YES+’ like course are conducted for them.

Better career option

- Recent specializations offered by MVP SAP.
- For the better career of students and to increase employability, scheme like “Pradhan Mantri Kaushal Vikas Yojana, Govt.of India” is launched by institute to enable a large number of students to take up industry-relevant skill training that will help them in securing a better livelihood.

Community orientation

- Institute conducted NSS activities viz. Blood donation camp, Tree plantation, Health Checkup, Cleanliness, Road safety awareness, environmental awareness, Plastic Nirmulan, MVP Marethon, Matdar nondani Abhiyan etc.
- Special winter camp is arranged by NSS unit at rural places where, students are interested in identifying their problems and find technology enabled solutions on it.

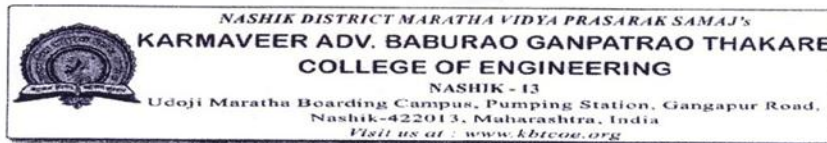
- Under NSS unit different Activities are conducted like Gram Swachhata Abhiyan, Women Empowerment, Avayav dan Abhiyan, Personality development camp etc.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

- Institute takes feedback from all stakeholders like students, teacher, alumni, parents, and consider their valuable suggestions in enriching the curriculum.
- After collecting feedback from all stakeholders, the data is processed and analysis report is submitted to the Principal. Then Principal takes necessary action on it.
- Parent's meets are conducted and suggestions of parents are considered for corrective measures.
- The best example is stated below.

Table 1.3.5(A) Example of Parents Feedback

Activities	Particulars	
Parent Meeting	Held on 05/11/2016	
Discussion in parent Meet	About Introduction of courses, Curriculum, Teaching Learning process, Placements and different Queries asked by the parents etc.	
Feedback taken	Positive	Negative
	Excellent, Institute dedications are good Satisfied in Parents teachers meet, Hospitality was Excellent.	In academic give more time for difficult subject.
Forwarded suggestion for corrective action	Yes	
Decision making and implementation	If any Corrective measures are needed then decisions are taken by higher authority.	
Outcome analysis	Student progress and attendance report send to the parents.	



**FIRST YEAR ENGINEERING
FEEDBACK FROM PARENT**

F.E. (All Branches)

Date: 05/11

Name of the Ward : *Krushita Sampalk*

Roll No.:

Branch : *EETC*

Name of the Parent : *P. Sampalk*

Mobile No:

E-Mail ID:

1) Are you satisfied by ' Parent -Teacher' meet ? YES NO

(If No, reason)-----

2) Would you like to have Parent-Teacher meet twice in semester? YES NO

3) Hospitality : Excellent Good Fair Poor

4) Record Keeping : Excellent Good Fair Poor

5) Is your ward attendance below 75% ? YES NO

(If Yes , Reason)-----

6) Are you satisfied by the information given by the class coordinator? YES NO

(If No, reason)-----

7) Does your ward participate in the sports activity? YES NO

8) Does your ward participate in extracurricular activities? YES NO

9) Does your ward find any subject difficult ? YES NO

(If Yes) - Name of the subject : *1) Electrical* Any suggestion:

2) FPL

10) Does your ward feel insecure in the college ? YES NO

(If Yes , Reason)-----

11) Any Other Suggestions, *kindly inform about child's result like online/offline to parents*

***** "THANK YOU" *****

Fig 1.3.5 Parents feedback form.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

- Academic Monitoring Committee (AMC) is chaired by Principal of the Institute. All Dean and HOD of all departments is member of this committee.
- AMC used to monitor all the Academics, student Feedback and overall teaching learning process to achieve maximum academic performance of the students.
- Guidance of experts/ guests in term of teaching to improve student performance.

- The analysis and suggestions by AMC will benefit the institutional progress in quality education and research.
- It will also make sure about keeping the transparency in faculty, staff and management with respect to objectives towards attainment of mission and vision of the Institute.
- AMC create a mechanism to integrate various academic activities, enrichment programmes to enhance supportive administrative tasks and to communicate and achieve quick actions and get impact on quality objectives of the Institute.

Example:

Following is Activity report for Big data & Hadoop programme conducted by Computer department:

ACTIVITY REPORT	
Title of Activity:	Big data & Hadoop Workshop
Date & venue::	Date: 01 st Sept.2016- 03 rd Sept 2016 Venue: NDMVPS's KBT COE, Department of Computer Engineering.
Outcome of activity:	Students are able to configure machine using Hadoop.
	Students are able to process on big data.
	Students are able to learn how to use Hadoop to process on live Big Data like twitter or social media data
Description of activity :	Big data & Hadoop: 03 days workshop is conducted for students in order to learn Hadoop architecture, Big Data concept and processing on current Big data like Facebook, twitter etc
Activity Experience:	Big data & Hadoop workshop is successfully conducted.
Assessment of activity outcomes	Big data & Hadoop: 03 day workshop is conducted to the students in order to learn Hadoop architecture, Big Data concept and processing. This workshop included both theory and practical sessions.
Feedback	Feedback is collected from participants for suggestion and improvement in future.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

- Institute Head of department attend meeting with the vice chancellor or BOS affiliated to SPPU Pune.
- Institute senior faculty members contribute their efforts in designing and developing curriculum at University level.
- Meetings of faculty members with subject Chairman.
- Contribution of faculty in designing and implementing open elective curriculum.

- Faculty is involved in the process of University syllabus revision, paper setting, and paper assessment etc.
- Suggestions are taken from expert faculty of course and forwarded it to subject chairman or BOS.
- As per the need of industry elective subjects are decided to meet the requirement of industry. In Computer engineering subject like Business Intelligence included in syllabus to get benefit to students.
- University gives flexibility to final year students to decide elective subject.
- In institute students are motivated for selecting elective subject and choices are given to students to select subject.
- Senior faculty member's work as paper setter in University.s
- The question banks for university in-semester, end-semester as well as online examination are designed by senior faculty members.
- Whenever the university organizes workshop, seminar and conferences for knowledge enhancement of the faculty, institute deputed the faculty to attend the same.
- Faculty members take the active participation and involvement in FDP, STTP, Workshops, and Seminars.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

- Yes, Institute provides facility to obtain feedback from stakeholders.
- Institute conduct Parent meet, Alumni meet programmes and feedback are taken from parents, Alumni.
- In academic curriculum for each course feedback is taken from student and corrective action is taken by higher authority if it is needed.
- Alumni are invited for Guest lectures, expert lecture. They also invited in annual gathering.
- Valuable suggestions and feedbacks of stakeholders are considered in future for the effective implementation of the curriculum.

Example:

One such example of Student feedback is shown in fig 1.4.2(A)



Nashik District Maratha Vidya Prasarak Samaj's
College of Engineering, Nashik -13

Teacher's Feedback Form

(Do not disclose your identity)

Department : Computer Subject : OSD
Name of Staff : Prof. S.R. Bhamare Class : TE
Date : 19/9/16

1. How does the teacher explain the subject?
 Exceedingly well Adequately Inadequate Totally inadequate
2. Books referred / used by the teacher for teaching in classroom.
 Standard Publications Local Publications Self prepared Notes
3. Whether the teacher was well prepared for the subject?
 Always Often Sometimes Never
4. How is the clarity of communication and speed of delivery?
 Excellent Good Satisfactory Poor
5. Whether the teacher encourages questions from students and provides satisfactory answers?
 Excellent Often Sometimes Never
6. Whether teacher solves or discusses university question paper in classroom
 Always Often Sometimes Never
7. How much of the class time does the teacher uses for teaching the subject (as against deviating towards irrelevant or general matters)?
 Above 90% 80 - 90% 60 - 80% Below 60%
8. Whether the teacher conducts the lectures regularly?
 Always Often Sometimes Never
9. Neatness and clarity of writing on blackboard ?
 Excellent Good Satisfactory Poor
10. What is the attitude of teacher towards you?
 Usually Sympathetic and helpful sometimes sympathetic & helpful
 Avoids personal contact Appears to be indifferent to students
11. Classroom control and discipline
 Maintains good discipline by his of her presence
 Class is in disorder frequently Class is noisy and in chase
12. Overall impact of teacher
 Excellent Good Satisfactory Poor

13. Have you joined any private coaching class for this subject? If yes, which & why?
No
14. Would you like the staff member to teach you again in further semester? Why?
Yes, she teaches very well.
15. Whether the staff member remains present in the laboratory during practical slots to solve your difficulties?
Yes
16. Does the teacher victimize of show favouritism to some students ? If yes, in what way?
No
17. Your suggestions and additional comments, if any.
No suggestions. She is good.

Fig 1.4.2.1(A) Feedback form filled by student

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?) Any other relevant information regarding curricular aspects which the college would like to include Rationale behind introducing these courses:

- Institute is at centralized place of city so as per increasing demand from students and industries new programmes or courses were introduced by the institution to fulfill their requirement.

Table 1.4.3(A) Introduction of new courses in the institute

Academic Year	Name of Course	Name of Programme	Sanctioned Intake
2012-13	Civil Engineering	PG (ME) Construction and Management	24
2012-13	Mechanical Engineering	PG (ME) Design Engineering	24
2016-17	Mechanical Engineering	PG Diploma Computer Aided Product Design	20

CRITERION II: TEACHING - LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

- Under graduate & Post graduate admission process, as well as rules and regulations to be followed in the given Academic Year (A.Y.) are published in the brochure of Directorate of Technical Education (DTE) Government of Maharashtra.
- The Institute participates in Centralized Admission Process (CAP) conducted by DTE.
- All admissions are done centrally by the competent authority.
- A short description of the admission process like college fees, hostel fees and documents to be submitted during the admission process are displayed on the college website.
- Actual admissions take place on the basis of allotment letter of DTE offered to the student.
- The students submit the required documents which are scrutinized in their presence. The basic information of the student is entered by him/her in the college ERP system. Subsequently the admission is registered on the DTE website. The fees prescribed by Shikshan Shulk Samiti to the Institute are collected from the student. College I-card is handed over to the student at the end of admission process.
- The Admission Process carried out by DTE is highly transparent and all the necessary information is made available during the admission process on the DTE website www.dte.org.

The image shows a newspaper advertisement for NDMVP Samaj's Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering. At the top, there is a date stamp in Marathi: 'सकाळ' (Sakal), 'नाशिक, शुक्रवार,' (Nashik, Shukrawar), '१२ ऑगस्ट २०१६' (12 August 2016), and a handwritten number '९'. The main text of the advertisement includes the college name, address (Udaji Maratha Boarding Campus, Gangapur Road, Nashik - 422 013), and contact information (Phone: 91-0253-2571439, 2582891; Fax: 91-0253-2317016; Email: principal@kbtcoe.org; Website: www.kbtcoe.org). The title of the notice is 'ADMISSION NOTICE 2016-17' and 'ADMISSION TO FIRST YEAR OF DEGREE COURSES IN ENGINEERING'. The text describes the application process, mentioning 'Institute Level Seats' and 'Probable Vacant Seats', and provides details about the application forms, information availability, and the role of the admission committee. It also includes a note for aspiring candidates and a reference to the DTE website for more details. At the bottom, the names and titles of the Principal, Dr. Jayant T. Pattiwar, and Smt. Nilematai V. Pawar are listed.

Figure 2.1.1 Newspaper advertisement for Admission to First Year of Degree Courses in Engineering (2016-17) given by the Institute

The college ensures publicity in the admission process by the following means:

- Every year college publishes a Leaflet.
- Institute website www.kbtcoe.org.
- Advertisement given in newspapers.
- The Institute is an authorized Application Receipt Center (ARC) for the centralized admission process.
- Institute has published an advertisement in News paper about Admission process is shown in fig 2.1.1

2.1.2 Explain in detail the Criterion adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

- The Institute follows admission rules and regulations, guidelines given by DTE. The Institute participates in centralized admission process (CAP) conducted by DTE. Based on the applications received, the DTE prepares merit list.
- The allotment of the seats is carried out on the basis of the order of preference given by the applicants and their position in the merit list, considering the reservation policy. The method adopted by DTE for generating admission merit list, changes every year.
- In the admission process from 2011 to 2014, merit list was prepared by DTE based on the score obtained in CET and subject to other rules of eligibility as specified by DTE. From Academic year 2015-16, students were allotted colleges based on their composite scores obtained by the candidate. This composite score is generated by combination of marks in the qualifying exam and JEE-Mains or CET conducted by DTE.
- As per the government rules, 20% seats are reserved under the management quota.

Table 2.1.2 Schedule of Activities for Admission to First Year of Under Graduate Technical Courses in Engineering and Technology for the Academic Year 2016-17

Sr. No.	Activity	Schedule	
		First Date	Last Date
1.	Online registration of application for admission through computer connected to Internet on the website for Maharashtra State/All India/J & K Migrant candidates.	02/06/2016	16/06/2016
2.	Documents verification, updating and confirmation of Application Form for Admission in person at Facilitation Center (FC).	02/06/2016	17/06/2016 Up to 5.00PM
3.	Display of the provisional merit lists on website.	19/06/2016	
4.	Submission of grievance, if any, at FC	19/06/2016	21/06/2016 Up to 5.00PM
5.	Display of the final merit lists for all types of candidates on website.	22/06/2016	
6.	Display of Category wise Seat Distribution	21/06/2016	22/06/2016

	(Seat Matrix) for CAP Round I		
7.	Online Submission & Confirmation of Option Form for CAP Round I, II, III through candidates Login by himself/herself through the website.	22/06/2016	26/06/2016 Up to 5.00PM
8.	Display of Provisional Allotment of CAP Round I	27/06/2016	27/06/2016 Up to 5.00PM
9.	Reporting to the Admission Reporting Center (ARC) for CAP Round I.	28/06/2016	05/07/2016 Up to 5.00PM
10.	Display of Provisional Allotment of CAP Round II	07/07/2016	07/07/2016 Up to 5.00PM
11.	Reporting to the Admission Reporting Center (ARC) for CAP Round II	08/07/2016	12/07/2016 Up to 5.00PM
12.	Display of Provisional Allotment of CAP Round III	14/07/2016	14/07/2016 Up to 5.00PM
13.	Reporting to the Admission Reporting Center (ARC) for CAP Round III.	15/07/2016	18/07/2016 Up to 5.00PM
14.	Display of Vacant Seats for CAP Round IV	25/07/2016	25/07/2016 Up to 5.00PM
15.	Online Submission & Confirmation of fresh Option Form for CAP Round IV through candidates Login by himself/herself through the website.	26/07/2016	28/07/2016 Up to 5.00PM
16.	Display of Provisional Allotment of CAP Round IV	30/07/2016 At 11am	
17.	Reporting to the ARC as per Allotment of CAP Round IV	30/07/2016	03/08/2016 Up to 5.00PM
18.	For all candidates: Reporting to the Allotted Institute and Confirmation of Admission by submitting required documents and paying remaining fees, as per the Allotment.	30/07/2016	06/08/2016
19.	Commencement of academic activities for All institutes	01/08/2016	

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

Minimum and maximum marks for admission to first year of all undergraduate and postgraduate programmes offered by the college from AY 2013-14 to 2016-17 is detailed in the table no-2.1.3(A) given below.

Table 2.1.3(A) Minimum and maximum marks for admission to first year all undergraduate and postgraduate programmes

NDMVP's KBT College of Engineering, Nashik									
Course Name (UG)	Admission Class	Academic Year							
		2016-17		2015-16		2014-15		2013-14	
		Min	Max	Min	Max	Min	Max	Min	Max

MECH	First Year	31	105	21.6	92.6	24.8	91.5	41	122
	Direct Second Year	62.	86.6	60	85.5	57.5	86.2	58	86.3
CIVIL	First Year	32	99	21.6	82.3	16	82.7	35.5	122
	Direct Second Year	68.5	87.4	66.4	84.2	68.6	85.3	72	83.9
COMP	First Year	47	106	23.4	82.7	10.4	90.1	39	114
	Direct Second Year	71	85.3	63.6	86	85	57.7	70	84.8
IT	First Year	43	97	18.9	73.7	24.6	64.0	33	85
	Direct Second Year	60.6	84.6	56.9	83.5	63.5	84.5	60.5	90.3
E&TC	First Year	30	94	17.4	79	25.2	77.7	38.5	114
	Direct Second Year	88	69.6	86.9	70.6	88.4	67.7	87	63.6
INSTR U	First Year	45	82	45.7	76	44.7	70	40	64.3
	Direct Second Year	57	82.7	53.2	75.5	57.1	77.9	59.3	84.6
(PG)									
MECH	First Year	0.7	32.8	2.51	31	2.37	25.5	0	66.2
CIVIL	First Year	1.6	17.8	3.73	21.2	3.04	21.8	27	62.2
MBA	First Year	3.6	92	0.82	76	0.30	81.6	22	178
MCA	First Year			15	82			6	79
	Direct Second Year					4	97.3		

Table 2.3.1(B) Minimum and maximum marks for admission to first year all undergraduate and postgraduate programmes

R. H. SAPAT College of Engineering, Management Studies & Research, Nashik									
Course Name (UG)	Admission Class	Academic Year							
		2016-17		2015-16		2014-15		2013-14	
		Min	Max	Min	Max	Min	Max	Min	Max
MECH	First Year	34	97	24	82.3	30.3	91.6	50	117
	Direct Second Year	60	85	61	85.9	66	86	63.2	84.2
CIVIL	First Year	44	87	29.3	76.5	31.4	66.2	42	96
	Direct Second Year	61.9	83.3	61.9	83.3	67.8	82.5	64.8	81.0
COMP	First Year	39	103	9.74	74.7	21.7	77.8	31	93

	Direct Second Year	65.3	85	53.5	82.7	64.5	86.2	64.1	83.8
E&TC	First Year	37	77	11	33.7	22.3	85.2	39	93
	Direct Second Year	61	83	57	85.4	54.9	87.09	68.7	83.9
(PG)									
MECH	First Year	4.5	24.1	61.2	42.2	5.93	40.1	22	38.7
MCA	First Year	22	136	30.4	71	25	76	45	87
	Direct Second Year	-	-	-	-	44.7	78.80	48.4	59.1

Table 2.3.1(C) Minimum and maximum marks for admission to first year all undergraduate and postgraduate programmes

K.K.W Institute of Engineering & Research Center, Nashik.									
Course UG	Admission class	Academic Year							
		2016-17		2015-16		2014-15		2013-14	
		Min	Max	Min	Max	Min	Max	Min	Max
MECH	First Year	17	155	38.2	94.2	35.1	95.5	58	151
CIVIL	First Year	47	130	21.8	91.2	35.6	88.2	57	151
COMP	First Year	52	146	17.4	97.7	30.7	94.4	39	132
IT	First Year	46	131	39.5	89.8	30.5	80.4	43.5	121
E & T.C	First Year	35	123	27.7	88.5	30.6	89.9	59	136
PG									
MBA	First Year	31	62	5.2	64.79	0.83	70.44	23	114
MCA	First Year	12	88	11.25	87.53	42	104	26	98

2.1.4 Is there a mechanism in the Institution to review the admission process and student profiles annually? If ‘yes’, what is the outcome of such an effort and how has it contributed to the improvement of the process?

Yes, Institute has mechanism to review the admission process. The details are as follows:

Review of admission process & student profile.

- As the engineering admission process is conducted & governed by DTE, Institute follows rules and regulations, guidelines set up by the Government.
- For the 20% management quota, Institute level merit list is prepared for the admissions.
- Institute however has formed the Admission committee & T & P cell to review the admission process & student profile.

The institution analyzes the student profiles to gain insight into:

- Opening and closing cutoff marks - community wise.
- Geographical distribution of candidates.
- Gender classification.
- District wise data analysis.
- School of study, Board and Medium of study.
- Strength, weakness, opportunity & challenges of students.

Role of Admission Committee & T& P cell

- Review of student profile on the basis of their MH-CET, AIEEE, JEE and PCM scores.
- Based on the analysis, students with poor scores and possible academically weaker students are identified.
- For such weaker students, make up classes, career guidance programs are conducted to impart basic skills.
- As a result of such efforts, the ability of students to understand the engineering concepts enhances which has reflected in better results.

The outcome of the analysis is helpful for the following:

- To take the decision about publicity of admissions in future.
- To identify the students coming from the different medium & region.
- To work on weaknesses of students.
- To improve their knowledge in some special subjects like Mathematics, Physics, and Chemistry etc.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the Institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

- **SC/ST**
- **OBC**
- **Women**
- **Differently abled**
- **Economically weaker sections**
- **Minority community**
- **Any other**

- The Institute stands by the National commitment to diversity and inclusion of students from all strata of society. The Institute strives to create inclusive culture in which difference is recognized and valued.
- The Institute follows the reservation policy for admissions of various categories of students prescribed by the Government of Maharashtra. This policy is implemented in the central admission process (CAP) of the Directorate of Technical Education (DTE) Government of Maharashtra which is followed by the Institute.
- This is reflected in the student profile presented as follows:

Table 2.1.5 Category-wise students admitted during last four years.

ACADEMIC YEAR	NO. OF STUDENTS ADMITTED							
	SC	ST	NT	OBC	SBC	VJ/DT	Open	Total
2016-17	54	22	53	298	4	11	172	614
2015-16	56	24	51	319	6	11	214	681
2014-15	59	28	57	291	13	14	248	710
2013-14	57	27	46	273	7	10	263	683

- The Institute admits students under TFWS (Tuition Fee Waiver Scheme) of DTE. During the last four years total 73 students has taken the benefit of this scheme.
- Reservations under J&K quota is also provided as per the DTE and state government policy. Under these quota total 06 students has taken the admission during the last four years.

2.1.6 Provide the following details for various programmes offered by the Institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Table 2.1.6 Various programmes offered by the Institution during the last four years are as follows:

Sr. No	Course Name (UG)	Year	No. of Students Admitted (X)	Sanctioned Intake (Y)	Demand Ratio (X/Y)
1	Mechanical Engineering	2016-17	116	120	0.96
		2015-16	126	120	1.05
		2014-15	127	120	1.058
		2013-14	125	120	1.041
2	Civil Engineering	2016-17	60	60	1.00
		2015-16	63	60	1.05
		2014-15	62	60	1.03
		2013-14	62	60	1.03
3	Computer Engineering	2016-17	63	60	1.05
		2015-16	63	60	1.05
		2014-15	61	60	1.01
		2013-14	60	60	1.00
4	IT Engineering	2016-17	53	60	0.88
		2015-16	63	60	1.05
		2014-15	53	60	0.88
		2013-14	58	60	0.96
5	E & TC Engineering	2016-17	42	60	0.7
		2015-16	58	60	0.96
		2014-15	63	60	1.05
		2013-14	60	60	1.00
6	Instrumentation and Control Engineering	2016-17	12	40	0.3
		2015-16	27	40	0.675
		2014-15	31	40	0.775
		2013-14	22	40	0.55
Sr. No	Course Name (PG)	Year	No. of Students Admitted (X)	Sanctioned Intake (Y)	Demand Ratio (X/Y)
1	Mechanical Engineering	2016-17	17	24	0.70
		2015-16	24	24	1.00
		2014-15	24	24	1.00
		2013-14	24	24	1.00
2	Civil Engineering	2016-17	24	24	1.00
		2015-16	24	24	1.00
		2014-15	24	24	1.00

		2013-14	24	24	1.00
3	MBA	2016-17	60	60	1.00
		2015-16	60	60	1.00
		2014-15	54	60	0.9
		2013-14	60	60	1.00
4	MCA	2016-17	0	60	0.00
		2015-16	17	60	0.28
		2014-15	00	60	0.00
		2013-14	15	60	0.25

Reasons for increase / decrease in admissions:

- All the undergraduate seats were filled against the sanctioned intake capacity with an exception of Instrumentation & Control Engineering and Electronics & Telecommunication engineering whose few seats were vacant. Demand for particular engineering disciplines has been changing year on year. Because Parents/Students has perception that there is less opportunity towards industrial placement for these courses due to which trend for taking admission to E&TC and Instrumentation & Control Engineering stream is less. Also the overall economic and employment scenario affects the number of applications for engineering courses. Most of the graduates prefer 2 years post-graduation courses rather than 3 years. Due to which trend to take admission for MCA Engineering is less in last 3 years

Actions initiated for improvement:

- The Institute has started giving more publicity for its credentials, ranking and facilities.
- The Institute attracts meritorious students by providing value added courses like-
 - **SAP-** Various modules are run under SAP like Material management, Sales & Distribution, Human Resource, ABAP etc.
 - **Design Innovation Center-** various courses are conducted under Design Innovation center like Design and development of signal conditioning & Sensor technologies, advanced techniques for Environment Watershed Management, Post graduate Diploma in Computer-aided Product Designs.
- Continuous improvements in the infrastructural facilities.
- Continuous improvements in the Student Placements.
- Focusing on Student centric value added activities.

2.2 Catering to Student Diversity

2.2.1 How does the Institution cater to the needs of differently- abled students and ensure adherence to government policies in this regard?

The Institute follows government policies to cater to the needs of differently-abled students by means of-

- Institute provides facilities of Ramp and lift for differently-abled students.
- Institute has Provision of Wheel chair for Handicaped Students.
- Institute provides extra time in the examination hall as per the rules & guidelines of SPPU.
- Institute provides Writer for the differently-abled student as per the rules & guidelines of SPPU.

- Seats are reserved for physically handicapped students as per the rules & regulation specified by SPPU.



Figure 2.2.1 Physically disabled student's facilities.

2.2.2 Does the Institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

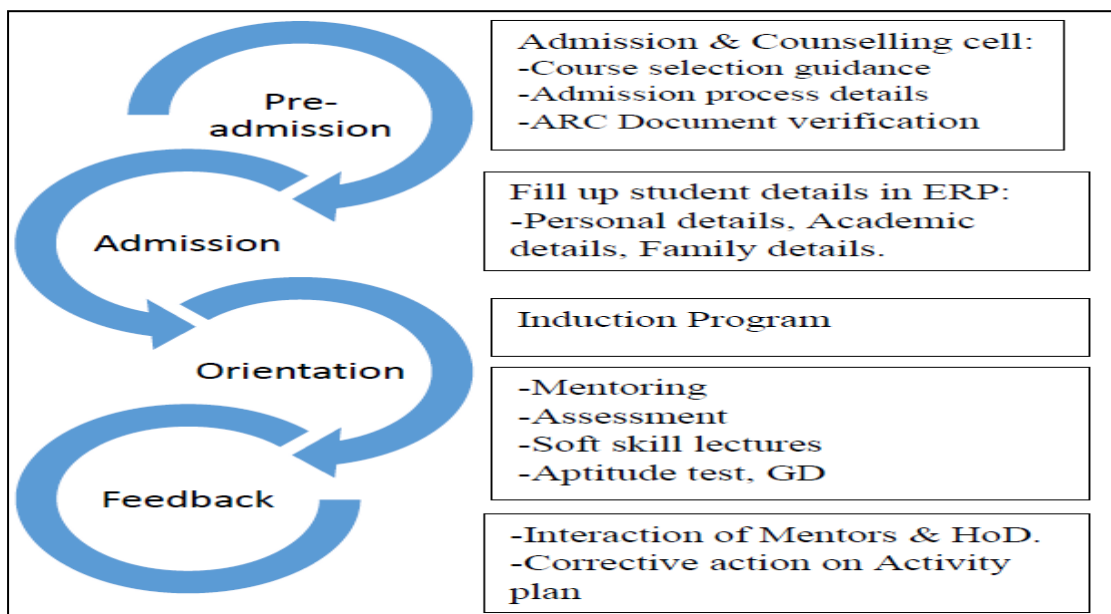


Fig.2.2.2 Student's Pre-assessment process

- Yes, Institute assesses the students' needs in terms of knowledge and skills before the commencement of the program.
- Assessment is also carried out based on students qualifying marks and their ranking in the merit list.

- At the beginning of the semester concerned faculty members conduct orientation classes to ascertain knowledge based needs and skills of the students.
- Institute conduct soft skill classes, organize GD, debates, and quiz competition, aptitude tests and value added courses for students to enhance their skills & knowledge.
- Based on the inputs from students and as per their need, guidance for competitive exams like GATE, Civil services is provided

2.2.3 What are the strategies adopted by the Institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

Following programs are adopted by Institute to bridge the knowledge gap.

- Institute conducts Expert Lectures on contents beyond syllabus to the students to make them aware about the recent trends in their disciplines.
- Institute arranges technical events, industrial visits, paper and poster presentations and seminars to bridge the knowledge gap to enable them to cope with advances in their respective fields of studies.
- The Institute offers remedial classes and extra classes as per the student needs and to fulfill the curriculum/syllabus prescribed by the University.
- The Faculty covers the University curriculum with special topics for each subject to bridge the gap.
- Institute conducts various add-ons, enrichment courses for students.
- Following table includes the various Add-on/Enrichment programs conducted by the Institute for Students-

Table 2.2.3 Add-on/Enrichment programs conducted by the Institute for Students

Department	Title of Programme	Date	No. of participant
Mechanical	Higher Education in foreign universities	24/01/2014	60
	Higher Education in foreign universities	16/01/2015	60
	Higher Education in Germany	31/07/2015	100
	Higher Education in Germany	01/08/2014	114
MCA	Workshop on Advance java	8/10/2016	17
	UI Designing Sessions	13/08/2016	17
	Software testing Sessions	09-2016	17
	Virtual Reality Sessions	29/07/2015	50
MCA	IOT Interactive Sessions	11/2015	51
	Web Development in PHP Sessions	2015	50
	.NET Sessions	28/02/2015	40
	Basics of Web Development	2015	17
	Google Apps Workshop	21/10/2013	55
IT	Android App Development	17/09/2016 01/10/2016	137
	Big data & Hadoop	30/8/2016 02/9/2016	75

	Soft Skill session	Aug 2016	56
Computer	Applied CS with Android workshop	24/10/2016 26/10/2016	30
	Android App development Workshop	17/09/2016 19/09/2016	--
	DST workshop on Entrepreneurship Development	14/07/2016 16/07/2016	15
	One day workshop on Python	08/02/2016	120
	Hadoop-Big data workshop	14/02/2015	71
Civil	Entrepreneurship Development	16/09/2016	200
	View towards the life	12/01/2016	200
	MSP Software Training	2015	24
	ERP Software Training	2015	50
	Auto-CAD Software Training	2015	100
	Water Audit Course	December 2015	80
	ERP Software Training	2013	80
Instrumentation & Control	5 Days training on Automation Using PLC,SCADA	2/9/16 to 6/9/16	28
	Six Days STTP on "C" Programming	29/9/16 to 8/10/16	11
E& TC	Workshop on "Automation Technology Covers PLC & SCADA"	21/9/2016 To 24/09/2016	46
	Traffic Awareness Training Program at Children Traffic Education Park ,	17/09/2016	78
	Workshop on "Electronics Products"	08/09/2016	151
	Workshop on " C Programming"	28 /6/2016 30/6/2016	37
	Visit at Dharampur Science Center, Gujrat.	29/07/2016	70
	Workshop on Embedded System	21/07/2016	81
E& TC	VLSI workshop	15/07/2016 16/07/2016	56
	Workshop on " Personality Development"	16/02/2015	59
	Workshop on " Arduino Procesor ,Latex ,PCB Design"	13/02/2015 14/02/2015	62
	Workshop on " Personality Development"	05/09/2014	10
	AICTE –BSNL Employability Enhancement Program	11/08/2014	30
	Automation System	07/03/2014	47
	Workshop on " Personal Power	22/02/2014	74
	Power of MBA	13/02/2014	127
	Emotional Freedom Technique EFT	31/01/2014	118
	Campus to Corporate	14/09/2013	129

	Etiquette & Manners	5/9/2013	130
	Workshop on “Practical Oriented Electronics Workshop on Industrial Approach For Electronics	30/08/2013 31/08/2013	68
	How to Crack GATE	27/07/2013	66
	How to Crack GATE & CAT	25/7/2013	67
	Practical Orientation on Industrial Approach For Electronics	10/7/2013	148
	Personality Development	6/7/2013	80
MBA	Soft Skill Development By Nandita Ray	10/09/2013	60
	Soft Skill Development By Neeta Nigam	01/09/2014	60
	Inbound Training Program by AryaHycinth	10/09/2014	60
	03-Days Outbound Training Program by Arya Hycinth	25/02/2015 to 27/02/2015	20
	Soft Skill Development By Gordon Sir	05/03/2015	60
	One Day-Outbound Training Programme by Shubhangi Kundalkar & Gordon Noronha	04/10/2015	60
	Inbound Training Program by Arya Hycinth	08/10/2015	60
	One Day-Outbound Training Programme by Gordon Noronha	02/02/2016	60
	Inbound Training Program by Arya Hycinth	27/09/2016	60
	Soft Skill Development By Gordon Noronha	22/08/2016	60
Institute	Zensar Training	2015-2016	48
	Entrepreneurship Awareness Camp	2014	10
	Entrepreneurship Awareness Camp	2016	10
	Zensar Training	2014-2015	45
	Entrepreneurship Awareness Camp	14/07/2016 to 16/07/2016	15
	Entrepreneurship Training Programme	09/02/2015 11/02/2015	
	Big data and Hadoop	01/09/2016 to 03/09/2016	77

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

Institute takes all the efforts to educate its staff and students on the issue of gender, inclusion, environment in following ways:

Gender:

- Institute provides equal opportunity to ladies and gents faculty with respect to appointments, administration, deputation to courses, higher studies.
- Institute provides equal opportunity to girls and boys students with respect to participation in extracurricular activities, sports and placements.
- Women Grievance committee is in place to redress the issues of female staff and students.
- Women's day is celebrated in the institute.
- Following tables shows Male Female Ratio of the Staff & Students-

Table 2.2.4 (A) Staff Male Female Ratio

No. of Teaching staff		No. of Technical staff		No. of Non-teaching staff	
Male	Female	Male	Female	Male	Female
85	40	46	16	60	12

Table 2.2.4 (B) Students Male Female Ratio

Academic Year	Number of Student		Total
	Boys	Girls	
2016-17	268	179	447
2015-16	303	217	520
2014-15	287	203	490
2013-14	299	211	510

Inclusion:

- The Institute stands by the National commitment to diversity and inclusion of students from all strata of society.
- The Institute strives to create inclusive culture in which difference is recognized and valued.
- The Institute follows the reservation policy for admissions of various categories of students is prescribed by the Government of Maharashtra.
- The Institute follows all the policy & guidelines regarding scholarship & free ship for various categories of students prescribed by the Government of Maharashtra.

Table 2.2.4 (C) No. of Students Admitted under following Quota in last 4 years.

Academic year	No. of students admitted under following quota in last 4 years		
	TFWS	J&K	PH
2016-17	19	0	1
2015-16	19	0	1
2014-15	16	1	2
2013-14	19	5	2
Total	73	06	06



Mission “Clean Godavari”



Yoga Session organized on the occasion of Yoga Day



Tree Plantation program organized at NDMVP KBTCOE on the occasion of Environment Day



Figure 2.2.4.Environmental & Social activities conducted by the Institute

Environment:

- The Institute promotes environmental and social awareness amongst the faculty and student community by celebrating Yoga day and Environment day.
- The NSS volunteers undertake various social activities and environment protection drives in the nearby villages as a part of their annual NSS camps.
- The Institute has participated and committed in future for the clean and green city campaign by active participation in mission ‘Swachh Godavari Abhiyan’.
- Institute organizes Special winter camp in different villages under the NSS program.
- Various activities like Tree plantation, Gram-swachhata Abhiyan, Road safety awareness, Apatti management are conducted by the Institute under the NSS.

2.2.5 How does the Institution identify and respond to special educational/learning needs of advanced learners?

Institute identifies advanced learners in the following ways:

- From the performance in qualifying examinations (JEE, MH-CET etc.) for admissions to the program
- From the enthusiasm shown in their participation in co-curricular events.
- From the sincerity in attending and consistency in performing practical & theory sessions which is evaluated on a continuous basis through daily monitoring report of ERP.
- From the performance in internal and University exams conducted periodically.

Following are the institutional efforts to respond to special educational/learning needs of advanced learners:

- The Institute encourages advanced learners for undergoing internships in industries.
- Institute provides guidance for GATE, Civil Services Exams etc.
- The students are exposed to various intercollegiate technical competitions like Mechanza, Instrubotics, Elicit, Kshitij, Sthapatya etc. to sharpen their skills and knowledge.
- Advanced learners are given opportunity to prepare for global certifications and value added training programs.
- Institute has initiated SAP and various programs under Design Innovation center like Design of signal conditioning & Sensor technology etc.
- Institute organizes various technical buildathon competitions like Robo war, Bridge making, Circuit mania, Cube blasting, AutoCAD, placement bonanza, Poster making, which helps advanced learners to develop analytical thinking along with experimental skills. This eco-system builds up confidence in the students, inspires and motivates them to take on more challenging assignments in future.
- Advanced learners are encouraged to visit industries, discuss an industrial problem and work on its solution. Such industry sponsored projects make them professionally competent.
- Library has Special repository of research and e-learning material for such students to get higher level knowledge of their topic of interest.
- These students are also motivated to pursue higher studies and research.
- Following Table includes details of Industrial Visits organized by the Institute for students in Last 3 years –

Table 2.2.5 Industrial Visits organized by the Institute in last 3 years.

Sr. No.	Name of Department	Academic Year	Date	Details such as topic, speaker, location
1	CIVIL	2013-14	18/07/2013	Central Railway Workshop, Manmad
2			28/08/2013	Sewage Treatment Plant, Nashik
3			30/08/2013	Manjarpada tunnel, Nashik
4			13/09/2013	Peninsula Project, Nashik
5			17/09/2013	MHADA Project Site, Pathardi
6			1/10/2013	Shapoorji and Pallonji, Construction Site, Nashik
7			3/10/2013	Hydro Power Plant, Vaitarna Dam
8			09/10/2013	MHADA Project Site, Pathardi
9			09/01/2014	Metrological Station KTHM College, Nashik
10			15/01/2014	Water Treatment Plant, Nashik
11			27/01/2014	Ozar Airport, Nashik
12			06/02/2016	Ashok residency, Satpur
13			04/03/2014	Jain Irrigation System Ltd. Jalgoan

14		2014-15	09/09/2014	Hydro-Electric Power Plant, Vaitarna Dam	
15			12/02/2015	Water Treatment Plant, Nashik	
16			18/03/2015	Remote Sensing and GIS Division, Meri, Nashik	
17			23/03/2015	Sun Infrastructure Pvt. Ltd. Nashik	
18		2015-16	03/07/2015	Metrological Station, NDMVP's College of Agriculture, Nashik	
19			03/07/2015	Water Resource Engineering Division, MERI, Nashik	
20			10/07/2015	Central Railway Workshop Manmad	
21			31/07/2015	Sewage Treatment Plant, Nashik	
22			20/08/2015	Pune –Nashik Highway Project	
23			29/09/2015	Sun Infrastructure Pvt. Ltd. Nashik	
24			26/10/2015	Amit Enterprises Housing Ltd. Pathardi Phata, Nashik	
25			27/10/2015	Ultra-Tech RMC Plant, Satpur, Nashik	
26			11/01/2016	GhatGar Dam, A. Nagar	
27			16/01/2016	Sardar Sarovar Dam, Gujrat	
28			10/02/2016	Bhandardara Dam	
29			17/02/2016	Sun Infrastructure Ltd., Nashik	
30			11/03/2016	Water Treatment Plant, Nashik	
31			2016-17	31/08/2016	Sewage Treatment Plant, Nashik
32		21/09/2016		Nashik- Pune Highway	
33		10/07/2016		Central Railway Workshop Manmad	
34		27/09/2016		Gangapur Dam, Nashik	
35		06/10/2016		Sun Infrastructure Pvt. Ltd	
36		12/10/2016		Bagad Properties, Nashik	
37		22/11/2016		Ultra-Tech RMC Plant, Satpur, Nashik	
38		28/07/2016		Deolali Railway Station, Nashik	
1		E & T C	2013-14	17/01/2014	Industrial Visit to GMRT Narayangaon, pune
2				11/09/2013	Monk Automation Pvt. Ltd. MIDC Ambad, Nashik
3			2014-15	16/01/2015	Industrial Visit to GMRT Narayangaon, Pune
4				23/01/2015	Industrial Visit to GMRT Narayangaon ,Pune
5			04/02/2015	Reliance Power Plant Dhanu	
6			2016-17	17/09/2016	Traffic Awareness Training Programme at Children Traffic Education Park , Nashik
7				29/07/2016	Dharampur Science Center, Gujarat
1		INSTRU	2013-14	02/09/2013	Watson Pharma Pvt. Ltd; Ambarnath.
2			2014-15	18/09/2014	National Horticultural Research and

				Development Foundation, Chitegaon Phata.
3		2015-16	11/01/16	Hindustan Coca Cola Beverages Pvt. Ltd. Nashik
4		2016-17	01/09/2016	Reliance Electronics, Nashik
5		2016-17	07/09/2016	KRIBHCO Ltd, Surat
1	IT	2013-14	16/09/2013	Visvesvaraya Industrial and Technological Museum, Banglore
2			19/01/2013	Persistent Systems ,Pune
3		2014-15	28/02/2015	Persistent Systems ,Pune
4		2015-16	6 /03/ 2015	Altruist Technologies, Chandigarh
5		2016-17	26/09/2016	C –DAC Kharghar, Mumbai
1	COMP	2015-16	09/09/2015	SE Computer 34 Student Visit to C-DAC, Mumbai
2		2016-17	28/09/2016	TE Computer 49 Student Visit to Seed info-tech, Mumbai
3			28/09/2016	BE Computer 42 Student Visit to Seed info-tech, Mumbai
4			26/09/2016	SE Computer 34 Student Visit to C-DAC, Mumbai
1	MBA	2014-15	09/03/2015 10/03/2015	Ispat industries ltd at Mumbai
2			23/03/2015 24/03/2015	Baif Kaju Processing Unit at Dapoli, Ratnagiri
3			27/08/2014	Sarda Farms at Nashik
4			03/02/2015	Glenn mark Pharmaceuticals Ltd
5		2015-16	12/08/2015	Sarda Farm, Sahyadri Agro, Mohadi Nashik
6			10/03/2016	Jahagirdar Bekers , Nashik
7			13/10/2015	KVIC Nashik
8		2016-17	23/08/2016	Sahyadri Agro, Mohadi ,Nashik
9			31/08/2016	Biaf – Jawahar.
1	MCA	2013-14	13/3/2014	ESDS Software Solution, Nashik
2		2015-16	6/10/2015	UMS Tech Labs. Nashik.
1	Mechanical	2016-17	25/07/2016	Seva Automotive PVT LTD Nashik
2		2016-17	30/08/2016	Narang Cold Storage, Nashik.
3		2016-17	08/09/2016	Nashik Engineering Cluster, Nashik.
4		2016-17	04/10/2016	Reliance Thermal Power Station Dahanu



Fig. 2.5.5 Industrial visits organized by Institute.

2.2.6 How does the Institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

Institute obtains and analyzes information about students at the risk of dropout or having consistent poor academic performance in the following manner.

- Institute identifies low performer students in the qualifying examination.
- Institute list out defaulter students having less attendance in theory and practical.
- Institute list out pass-class students obtained from analysis of results of internal and University exams
- Through continuous evaluation and interactions of course faculty with the students during class, laboratory or tutorial sessions.
- Through interactions of class teacher/Mentor during periodic meetings with students.

Information about students at risk of drop-out and having consistent poor performance is used for giving additional support in following ways:

- Institute conducts additional lectures for difficult courses like Engineering Mathematics, Engineering Graphics, Engineering Physics, Electrical & Electronics engineering, Fundamentals of programming language for

academically weak students to bring them at par with the others in semester I & II of first year.

- Difficult Subjects are identified and Institute provides Personal attention and counseling.
- **For example:** Subjects like Robotics & Automation; student's gets difficulty to understand it logically so Institute provides personal attention & counseling.
- Course faculty mentor students individually and suggest remedial measures
- Taking corrective actions which are discussed in regular departmental meeting of faculty.
- Institute Makes students aware of scholarships, free-ships procedures for obtaining financial support for their education.
- Provision of installments in fess is allowed for economically weak students.
- Institute has started Earn and Learn scheme for economically weaker students as per the guidelines of SPPU, Pune.
- Institute has good infrastructure and facilities for easy movement and accessibility to differently-challenged students.
- Providing extra time while writing exam papers and /or providing a writer to students with physical disabilities as per the guidelines of SPPU, Pune.
- Institute Communicate the academic performance of students to their parents in parents-meet and seeking their support in resolving the difficulties of the students

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blueprint, etc.)

The Institute has the following process to plan and organize the teaching and learning as well as evaluation schedules:

Teaching and learning process:

- SPPU provides an academic calendar before the commencement of semester wherein the number of days for teaching and evaluation are available which gives a guideline to frame an Institute level academic calendar.
- Institute level academic calendar is prepared and provided to all departments before the commencement of semester.
- Principal conducts meeting with all HoD's and gives necessary guidelines on the basis of previous feedback.
- Choice based preferences are asked for next semester before the staff members proceed for vacation and load distributions is done by considering these choices.
- HoD's also assigns the responsibilities to the faculties for the activities to be conducted throughout the semester.
- The teaching plan is prepared by every subject teacher prior to the starting of the semester which includes lecture number, topics planned, date, topics covered, etc. This is monitored periodically by the HoDs.
- The subject teachers are ask to prepare/update course file which contains academic calendar, syllabus, teaching plan, subject notes, question bank on each unit, university question papers with model solution etc.

- Monthly meeting of faculties is conducted by HoD to discuss the problems if any and to take updates of the conduction of academics.

Evaluation:

The formative evaluation of students is done by following ways.

- Institute has developed internal evaluation process.
- All the information related to Exams is scheduled in advanced and displayed through academic calendar.
- Institute conducts Mock tests, internal tests for the students.
- Institute Evaluate the students based on Students attendance, assignments, performance in internal/Online test, students overall performance which supports the choice based credit system.
- Institute monitors the academics through Daily monitoring Reports of ERP.
- The academic progress of the Students is monitored by the Mentors and respective subject teacher.

The Summative evaluation of students is done by following ways.

- Theory – In semester , End Semester examinations
- Online examinations.
- Oral /Practical examinations.
- The details of these examinations are announced well in advance by the SPPU.

Savitribai Phule Pune University
(Formerly University of Pune)



**ACADEMIC CALENDER FOR VARIOUS ACTIVITES FOR
ENGINEERING COURSES FOR THE YEAR 2015-2016**

FIRST TERM

Sr. No.	Details of Activities	Year	Date
1	Commencement of Teaching	S.E/T.E/B.E. &MCA - II & III Year	15/06/2015
2	Conclusion of Teaching	S.E/T.E/B.E. &MCA - II & III Year	06/10/2015
3	Commencement of Teaching	M.E. II Year	20/07/2015
4	Conclusion of Teaching	M.E. II Year	07/11/2015
5	Practical/Oral/ Project Examination	S.E/T.E/B.E.	12/10/2015 to 27/10/2015
6	Theory Examination	S.E/T.E/B.E. &MCA - II & III Year	02/11/2015 to 27/11/2015
7	Vacation for Faculty		08/10/2015 to 07/11/2015
8	Relieve the Faculty for CAP		09/11/2015 Onwards

SECOND TERM

Sr. No.	Details of Activities	Year	Date
1	Commencement of Teaching	F.E/S.E/T.E/B.E. & MCA -I, II & III Year	14/12/2015
2	Conclusion of Teaching	F.E/S.E/T.E/B.E. & MCA -I, II & III Year	02/04/2016
3	Commencement of Teaching	M.E .I & II Year	11/01/2016
4	Conclusion of Teaching	M.E .I & II Year	18/01/2016
5	Practical/Oral/ Project Examination	S.E/T.E/B.E. &MCA - II & III Year	06/04/2016 to 23/04/016
6	Theory Examination	S.E/T.E/B.E. &MCA - II & III Year	02/05/2016 to 28/05/2016
7	Practical Examination	M.E .I & II Year	25/04/2016 to 30/04/2016
8	Theory Examination	M.E .I & II Year	16/05/2016 to 28/05/2016
9	Vacation for Faculty		13/04/2016 to 23/05/2016
10	Relieve the Faculty for CAP		25/05/2016 Onwards

Ganeshkhind, Pune- 07
Ref. No. PGS/ 1702
Date : - 22/05/2015

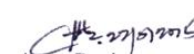

Asstt. Registrar
(P.G. Admission)

Fig.2.3.1 (A) University Academic Calendar



NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S
KARMAVEER ADV. BABURAO GANPATRAO THAKARE
COLLEGE OF ENGINEERING

NASHIK - 13

Udoji Maratha Boarding Campus, Pumping Station, Gangapur Road,
Nashik-422013, Maharashtra, India

Visit us at : www.kbtcoe.org

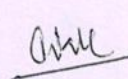
Date: 12/12/2015

Ref. No. NDMVPSKBTCE/ Acad/01 /2015-16

Academic Calendar (S.E., T.E., B.E. all branches) for year 2015-16 (Semester-II)

Sr. No.	Details of Activity	Day	Date
1	Commencement of Teaching	Monday	14/12/2015
2	NSS Special Winter Camp		21/12/2015 to 27/12/2015
3	Id- E-Milad (Holiday)	Thursday	24/12/2015
4	Christmas (Holiday)	Friday	25/12/2015
5	Display of Attendance	Thursday	31/12/2015
6	M.V.P. Marathon -2016	Sunday	03/01/2016
7	Display of Attendance	Friday	15/01/2016
8	Fusion-2016 (Tentative)		22/01/2016 to 24/01/2016
9	Republic Day	Tuesday	26/01/2016
10	Display of Attendance and letters to parents	Saturday	30/01/2016
11	Display of Attendance & Department wise class coordinator meeting with HOD	Monday	15/02/2016
12	Chatrapati Shivaji Maharaj Jayanti (Holiday)	Friday	19/02/2016
13	Technical Events (All departments) (Tentative)		22/02/2016 to 23/02/2016
14	Karmaveer Adv. Baburao Thakare Punyatithi	Tuesday	23/02/2016
15	Display of Attendance	Tuesday	01/03/2016
16	Karmaveer Adv. Baburao Thakare Jayanti	Saturday	12/03/2016
17	Display of Attendance and letters to parents	Tuesday	15/03/2016
18	Holi (Holiday)	Wednesday	23/03/2016
19	Display of Attendance & Department wise class coordinator meeting with HOD	Thursday	31/03/2016
20	Display of final detention list and letters to parents in case detained students.	Saturday	02/04/2016
21	Conclusion of Teaching	Saturday	02/04/2016
22	Karmaveer Dr. Vasant Rao N Pawar Jayanti	Monday	04/04/2016
23	Last date for term work submission	Tuesday	05/04/2016
24	Practical / Oral / Project Examination		06/04/2016 to 23/04/2016
25	Gudhi Padawa (Holiday)	Friday	08/04/2016
26	Mahavir Jayanti (Holiday)	Tuesday	19/04/2016
27	Theory Examination		02/05/2016 to 28/05/2016
28	Vacation for staff		13/04/2016 to 23/05/2016
29	Relieve the faculty for CAP		25/05/2016 onwards

Note: S.E online and T.E and B.E offline examination will be as per university schedule.


Prof. Vinod C Shewale
Coordinator (Academics)



Dr. Jayant T Pattiwar
Principal

Fig.2.3.1 (B) Institute Academic Calendar



NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S
**KARMAVEER ADV. BABURAO GANPATRAO THAKARE
COLLEGE OF ENGINEERING**

NASHIK - 13

Udoji Maratha Boarding Campus, Pumping Station, Gangapur Road,
Nashik-422013, Maharashtra, India


Visit us at : www.kbtcoe.org

Ref. No. NDMVPSKBTCE/ Acad/01/2015-16

Date: 12/12/2015

Academic Calendar (M.C.A.) for year 2015-16 (Semester-II)

Sr. No.	Details of Activity	Day	Date
1	Commencement of Teaching	Monday	14/12/2015
2	NSS Special Winter Camp		21/12/2015 to 27/12/2015
3	Id- E-Milad (Holiday)	Thursday	24/12/2015
4	Christmas (Holiday)	Friday	25/12/2015
5	Display of Attendance	Thursday	31/12/2015
6	M.V.P. Marathon -2016	Sunday	03/01/2016
7	Display of Attendance	Friday	15/01/2016
8	Fusion-2016 (Tentative)		22/01/2016 to 24/01/2016
9	Republic Day	Tuesday	26/01/2016
10	Display of Attendance	Saturday	30/01/2016
11	Unit Test - I / Mid Term Test		02/02/2016 to 06/02/2016
12	Display of Attendance & Department wise class coordinator meeting with HOD	Monday	15/02/2016
13	Display of Unit Test-I / Mid Term Test Marks, letters to parents.	Tuesday	16/02/2016
14	Chatrapati Shivaji Maharaj Jayanti (Holiday)	Friday	19/02/2016
15	Technical Events (All departments) (Tentative)		22/02/2016 to 23/02/2016
16	Karmaveer Adv. Baburao Thakare Punyatithi	Tuesday	23/02/2016
17	Display of Attendance	Tuesday	01/03/2016
18	Unit Test - II/ End Term Test		08/03/2016 to 12/03/2016
19	Karmaveer Adv. Baburao Thakare Jayanti	Saturday	12/03/2016
20	Display of Attendance	Tuesday	15/03/2016
21	Holi (Holiday)	Wednesday	23/03/2016
22	Display of Unit Test-II / End Term Test Marks, letters to parents.	Friday	25/03/2016
23	Display of Attendance & Department wise class coordinator meeting with HOD	Thursday	31/03/2016
24	Display of final detention list and letters to parents in case detained students.	Saturday	02/04/2016
25	Conclusion of Teaching	Saturday	02/04/2016
26	Karmaveer Dr. Vasantao N Pawar Jayanti	Monday	04/04/2016
27	Last date for term work submission	Tuesday	05/04/2016
28	Practical / Oral / Project Examination		06/04/2016 to 23/04/2016
29	Gudhi Padawa (Holiday)	Friday	08/04/2016
30	Mahavir Jayanti (Holiday)	Tuesday	19/04/2016
31	Theory Examination		02/05/2016 to 28/05/2016
32	Vacation for staff		13/04/2016 to 23/05/2016
33	Relieve the faculty for CAP		25/05/2016 onwards


Prof. Vinod C Shewale
Coordinator (Academics)



Dr. Jayant T Pattiwar
Principal

Fig.2.3.1 (C) Department Academic Calendar



KBTCE

Affiliated to Savitribai Phule Pune University
& Approved by AICTE New Delhi

NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S

Karmaveer Adv. Baburao Ganpatrao Thakare COLLEGE OF ENGINEERING

Udoji Maratha Boarding Campus, Near Pumping Station Road, Gangapur Road,

Nashik-422013, Maharashtra - India

Phone : +91 253-2571439, 2314319, Fax: 0253-2317016

email : principal@kbtcoe.org website: www.kbtcoe.org

Academic Monitoring Cell

Staff Teaching Plan

Date : 23/12/2016

Academic Year : 2016-2017

Course : UG

Branch : ELECTRONICS AND TELE

Year : BE

Semester : 7 TH SEM

Section : A

Sub Code : MWE

Subject Type : THEORY

Subject : MICROWAVE ENGINEERING

Emp ID : ETC007

Emp Name : CHAUDHARI ATUL RUPCHAND

Sr.No.	Unit	Topic Code	Expected Date	Topic Description
1	1	1.1	15/06/2016	MICROWAVE HISTORY & BAND
2	1	1.2	16/06/2016	TRANSMISSION LINES AND WAVEGUIDES INTRODUCTION TO MICROWAVES ENGINEERING: HISTORY OF MICROWAVES
3	1	1.3	20/06/2016	MICROWAVE FREQUENCY BANDS. APPLICATIONS OF MICROWAVE.
4	1	1.4	21/06/2016	GENERAL SOLUTION FOR TEM, TE AND TM WAVES
5	1	1.5	22/06/2016	PARALLEL PLATE WAVEGUIDE
6	1	1.6	23/06/2016	RECTANGULAR WAVEGUIDE
7	1	1.7	27/06/2016	WAVE GUIDE PARAMETERS. INTRODUCTION TO COAXIAL LINE
8	1	1.8	28/06/2016	RECTANGULAR WAVEGUIDE CAVITY RESONATORS
9	1	1.9	29/06/2016	CIRCULAR WAVEGUIDE CAVITY RESONATORS
10	2	2.1	30/06/2016	MICROWAVE COMPONENTS MULTI PORT JUNCTIONS
11	2	2.2	04/07/2016	CONSTRUCTION AND OPERATION OF E-PLANE

Institute ID :KBTCE

Designed by SyNehRomK Inc.

Report for Academic Monitoring Cells (Staff Teaching Plan)

Page 1 of 3

Fig.2.3.1 (D) Subject Teaching Plan

2.3.2 How does IQAC contribute to improve the teaching –learning process?

Presently the Teaching-learning process is monitored and governed by the Academic Monitoring Committee (AMC). Academic Monitoring Committee (AMC) acts as Internal Quality Assurance Cell (IQAC).As we are in the first cycle of Accreditation. For the Post Accreditation quality sustenance measure, the Internal Quality Assurance Cell (IQAC) as per NAAC guidelines is under process of development. The primary aim of the proposed IQAC is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.

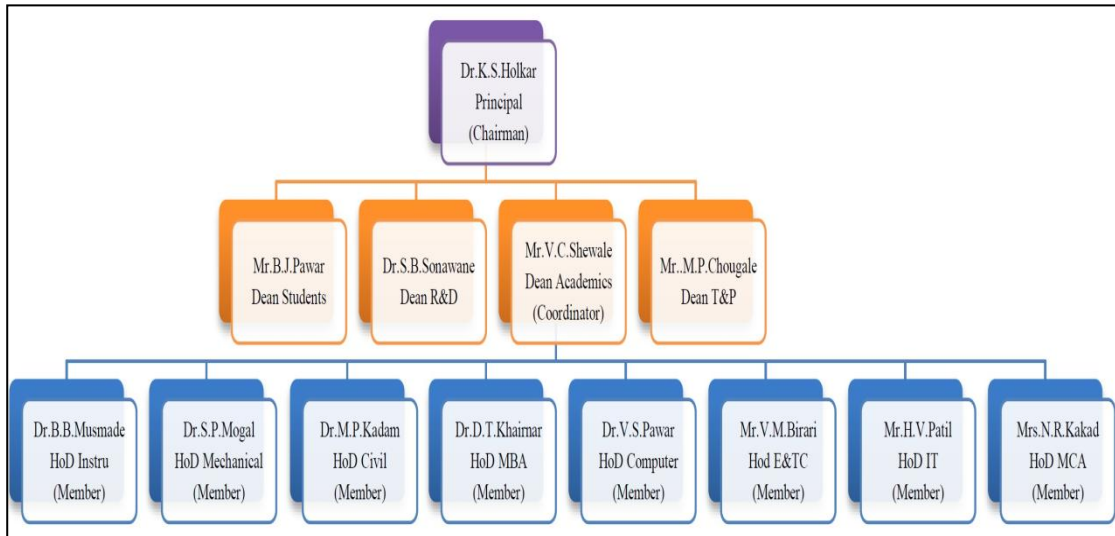


Fig. 2.3.2.Academic Monitoring Committee (AMC)

Academic Monitoring Committee (AMC):

- This committee is chaired by Principal of the Institute. All Dean of Institute and HOD's of all departments are member of this committee. AMC used to monitor all the Academics, Student Feedback and overall teaching learning process to achieve maximum academic performance of the students. Faculty & staff appraisal are also looked after by AMC where it not only monitors the performance of individual faculty but also guide them to achieve their own objectives.
- AMC checks course files, theory and practical attendance sheets, Lab manuals, staff feedback etc. in every semester.
- AMC monitors the classes and interact with students and faculty regularly and on need basis suggests remedial measures and motivates teachers to use latest technological aids.
- Monthly tutor meeting are conducted to counsel the students and to discuss issues related to academics, hostel, mess and overall facilities. AMC inform all the issues raised by mentors & coordinators to principal. Based on the issues raised by AMC, the Principal takes corrective measures to improve teaching learning process.

Benefits:

- The analysis and suggestions by AMC benefit the institutional progress in quality education and research. It also makes sure about keeping the

transparency in faculty, staff and management with respect to objectives towards attainment of mission and vision of the Institute.

- AMC create a mechanism to integrate various academic activities, enhance supportive administrative tasks and effectively communicate to achieve quick actions and get impact on quality objectives of the Institute.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

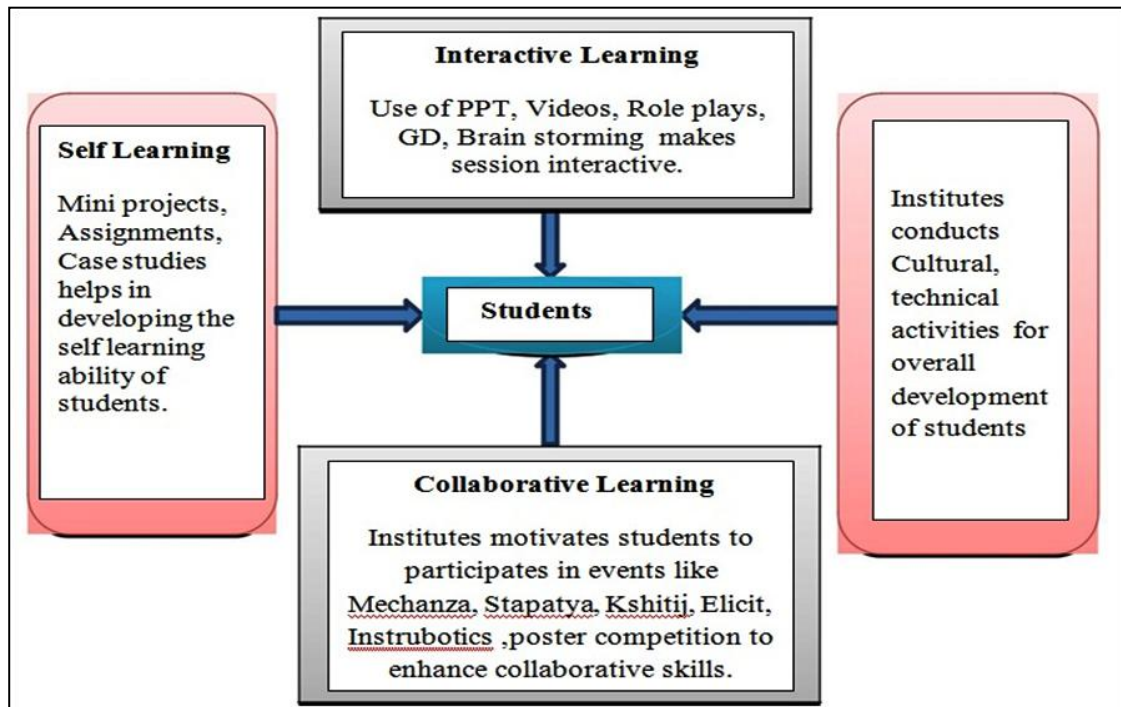


Fig. 2.3.3(A) Students Centric Teaching Learning Methodologies

Efforts made by the Institute for Student centric learning

- Institute motivates Students for participative learning.
- Institute has improved the Teaching learning process by adopting approaches like case study, Self-learning assignments, Mini projects for the students.
- Institute conducts Expert lectures, seminars, workshops, paper presentation and industrial visits for students in every semester.
- Training and placement cell of the Institute & respective departments organizes activities like personality development guidance, aptitude test, quiz, group discussion and debate competition.
- Institute provides guidance for GATE, Civil Services Exams etc.

Support structures and systems available

- Well-equipped laboratories with flexible access
- Library facility with access to e-learning resources, e-journals, magazines, subscriptions to journals and transactions like ASCE, ASME, IEEE, J-gate, Springer etc.
- ICT enabled classrooms with LAN, Internet and LCD Projector.

- Akash R&D center of IIT-Mumbai.
- NPTEL videos.

Various students' centric teaching learning methodologies adopted in all the departments:

- Videos and animations for different technical concepts are made available to make more interactive lectures.
- By conducting tutorials, the students will have better understanding of the course.
- Assignments, Case studies, mini projects on advanced topics in every course are given which make the students to acquire the self-learning capabilities.
- Occasionally online quiz, group discussions and seminars are conducted for advanced topics in various courses.
- Easy access is made available for students to some of key books providing them in departmental library.
- Institute motivates students to participate in events like Mechanza, Kshitij, Stapatya, Instrubotics, Elicit, poster competition etc. to enhance their collaborative skills.
- In addition for overall development of students, Institute also conducts cultural and technical activities.

2.3.4 How does the Institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

Institute Nurture Critical Thinking and Creativity among students by following ways-

- Institute organizes various technical events such as Mechanza, Elicit, Instrubotics, Kshitij, Stapatya, Idea Spark, Poster competition etc. to develop creativity and critical thinking among the students.
- Institute motivates students to participate in national level project competitions organized by other Institutes and universities such as Avishkar, Aakaar, Techfest, Axis 14 etc.
- Students are encouraged by the Institute to select industry sponsored projects. The Institute provides value added courses like-:
- **SAP**
 - Following modules are run under SAP.
 - Material management.
 - ABAP.
 - Sales & Distribution.
 - Human Resource
- **Design Innovation center**
Following courses are conducted under Design Innovation center.
 - Design and development of signal conditioning & Sensor technologies.
 - Advance techniques for Environment Watershed Management.
 - Post graduate Diploma in Computer-aided Product Designs.

Institute Nurture Scientific temper among students by following ways.

- Institute invites experts from academia as well as from industry to deliver lectures on modern and emerging areas which helps students to develop their innovative & scientific temper.
- Faculty members encourage the students to participate in state /national /international conference, competitions like AVISHKAR (SPPU-Pune sponsored zonal and state level project competitions to develop scientific & innovative temper among students.
- Institute has NMEICT Remote Center (IIT Mumbai) [National Mission on Education through ICT (MHRD, Govt. of India). Participants can interact with the eminence faculty of IIT delivering a lecture from IIT and live lectures are transmitted at Remote Centers using A-VIEW software.
- All the department of the institute has established student academic associations: MESA, PAES, ICONS, ITSA, and ACES, which conducts the various activity viz. seminars, project competition in order to develop the scientific culture and up gradation of knowledge among the students.
- Students are encouraged to present and publish research papers in conferences and journals.

Following table shows the various events organize by the Institute and different competitions held under these events:

Table 2.3.4 Various events organize by the Institute under different competitions

Name of Technical Events	Types of Competition
Mechanza	Lathe War, Logic Cube
	Paperranza, Cannon ball
Instrubotics	Robo Race, Robo Soccer
	Project competition
	Contraption, Gaming
Elicit	Circuit mania, Quiz
	Placement Bonanza Competition
	Box cricket, Box cricket
	Language Coding
Stapatya	Bridge Making Competition
	AutoCAD Drafting Competition
	Cube Blasting
	Floating Structure
Kshitij	C War, Paper Azzi, Pro-manifasto
Other	Idea Spark, Young Turks, Poster competition etc.



Figure 2.3.4 (A) MECHNZA



Figure 2.3.4 (B) INSTRUBOTICS



Figure 2.3.4 (C) ELICIT



Figure 2.3.4 (D) Activities conducted by MBA Department

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Institute provides following Technologies and facilities to the faculty for effective teaching-

- E-learning resources from National Programme on Technology Enhanced Learning (NPTEL videos).
- NMEICT [National Mission on Education through ICT] Remote Center (IIT Mumbai).
- Internet facility (155 MBPS leased line).
- Wi-Fi campus.
- ICT enabled classrooms with LAN, Internet & LCD Projector.
- Library with OPAC Search Facility.
- Dedicated reference Section with reading room in Library.
- Institute has Remote Center and Aakash R & D center affiliated to IIT Mumbai.
- Institute provides AAKASH Tablets to students and faculties under the research promotion scheme in association with IIT Mumbai.
- Apart from computer systems, sophisticated instruments, modeling tools, data processing software and modern equipment's are provided to create infrastructural facilities to meet the needs of new and emerging areas of research.
- Library facility with access to e-learning resources, e-journals, magazines, subscriptions & transactions like ASCE, ASME,IEEE,J-gate, Springer etc.

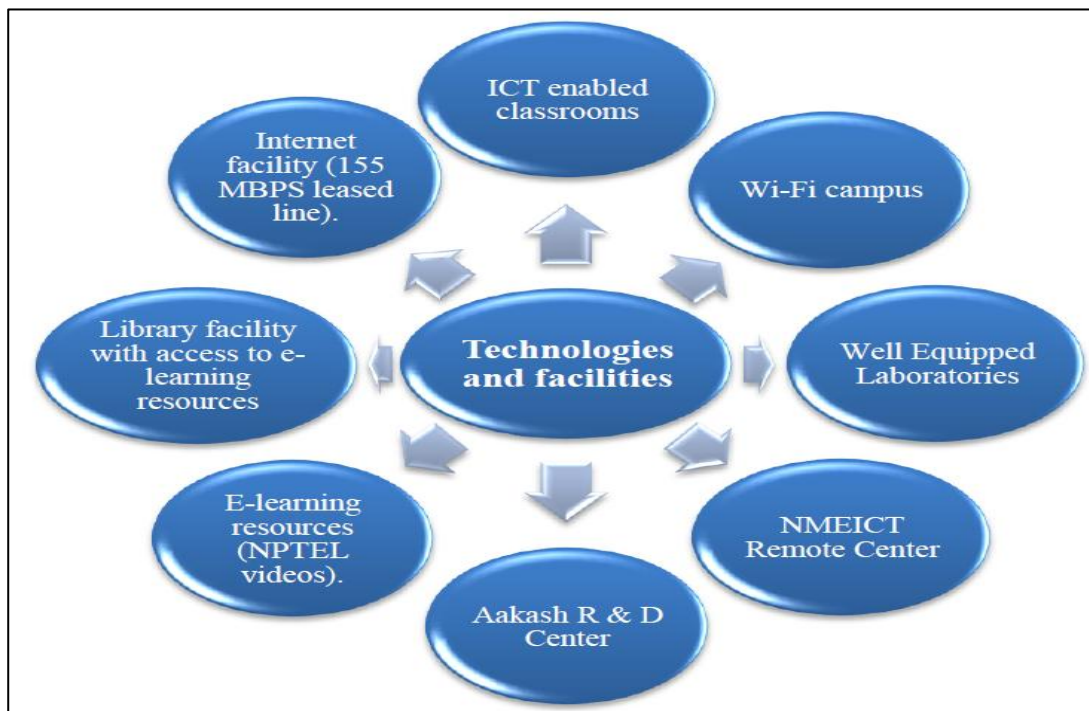


Fig 2.3.5 Technologies and facilities provided by the Institute

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

Students-

- Institute organizes and motivates students to participate in workshops, conferences, project competitions and poster presentation organized by other professional Institutes like IIT Bombay.
- The Institute provides various value added courses like-
 - **SAP-** Various modules are run under SAP like Material management, ABAP, Human Resource etc.
 - **Design Innovation center-** various courses are conducted under Design Innovation center like Design and development of signal conditioning & Sensor technology, advanced techniques for Environment Watershed Management, Post graduate Diploma in Computer-aided Product Designs.
- Institute organizes various workshops like Android App development, Big Data & Hadoop, Industrial Automation, Arduino Processor, Latex, Advanced Cmos layer designing etc. to escalate students advance level of knowledge & skills. Institute has NMEICT Remote Center (IIT Mumbai) [National Mission on Education through ICT (MHRD, Govt. of India). Students can interact with the eminence faculty of IIT delivering a lecture from IIT and live lectures are transmitted at Remote Centers using A-VIEW software.
- A faculty member encourages the students to participate in state/national/international conference, competitions like AVISHKAR (SPPU-Pune sponsored zonal and state level project competitions to develop scientific & innovative temper among students.
- Institute has the student's chapters of professional bodies like ISOI, SAE, CSI and IEI which organizes events to expose the students for advanced level of technology.
- Institute has signed Memorandum of Understanding (MOUs) with many leading industries as well as research institutes which help students to get industry knowledge, training, project work etc.
- Industry visits are arranged every year to sensitize students and faculty to the practical challenges faced in industry and to advance technologies. It also increases awareness of the expectations of industry and helps them prepare for employability.

Faculty-

- Institute provides advanced level of knowledge to the faculty by conducting various workshops, seminars, conferences, faculty development program, and short term training programs.
- Institute provides support to the staff for participating in various workshop, seminar, conferences, STTP's, and guest lecturers organized by other Institutes.
- Faculty is motivated to take up higher education & research at premier Institutes.
- Institute has also working towards technology integration in teaching & learning. With this aim to make faculty competent, FDP on Use of ICT in Education for online & blended learning has organized with association of IIT Bombay.

- Institute has NMEICT Remote Center (IIT Mumbai) [National Mission on Education through ICT (MHRD, Govt. of India). Participants can interact with the eminent faculty of IIT delivering a lecture from IIT and live lectures are transmitted at Remote Centers using A-VIEW software.

Table 2.3.6 Workshop/Seminar organized by the Institute for Staff & Students.

Workshop	From	To
Advanced Topics in Control Systems	27/1/2016	28/1/2016
State level workshop on emerging trend in Heat Transfer Engineering	04/02/2016	05/02/2016
Workshop on “Electronics Products” Conducted By Rishabh Instrument, Nashik.	08/09/2016	08/09/2016
Workshop on Hibernate & Spring MVC (A_JAVA)	08/10/2016	08/10/2016
Workshop on Android App Development	17/09/2016	10/10/2016
Workshop on Big Data & Hadoop	01/09/2016	03/09/2016
Workshop on Applied CS with Android workshop	24/10/2016	26/10/2016
Workshop on Industrial Automation using PLC & SCADA	2/9/2015	5/9/2015
Workshop on Emerging Trends in Heat Transfer Engineering	19/12/2015	20/12/2015
Workshop on Big Data & Hadoop	14/02/2015	14/02/2015
Workshop on “Entrepreneurship Development”	15/9/2014	26/9/2014
ISTE workshop on Fluid Mechanics organized by IIT Kharagpur	10/06/2014	20/06/2014
Workshop on Control Systems	2/12/2014	12/12/2014
Workshop on DCS & PLC overview	21/7/2014	25/7/2014
Workshop on “Research Methodology”	14/02/2014	15/02/2014
ISTE Workshop on Structural Analysis	04/01/2016	09/01/2016
ISTE workshop on Engineering Mechanics organized by IIT Mumbai	26/11/2013	06/12/2013
Workshop on Tribological Aspects in Design	03/10/2013	04/10/2013
Workshop on “Practical Oriented Electronics Workshop on Industrial Approach For Electronics ”Conducted By Electronics Study Center, Jalgaon	30/08/2013	31/08/2013
Workshop on 2 & 3 wheeler technologies in association with Automotive club, IIT Delhi	20/9/2013	21/9/2013
Workshop on Cyber Security & Penetration Testing	11/07/2013	12/07/2013
Seminars	From	To

Embedded Systems & Applications	17/9/2016	17/9/2016
Comparisons of Power Plants	2/3/2016	2/3/2016
Instrumentation in Thermal Power Plants	11/2/2016	11/2/2016
HPC Research & Career	5/2/2016	5/2/2016
Technical seminar & Practical session on use of CATIA & ANSYS software	05/02/2014	12/02/2014
Instrumentation in Thermal Power Plants	21/1/2015	21/1/2015
Automation A Booming Field	7/3/2014	7/3/2014
Scope of Engineer in Astronomy	31/12/2013	31/12/2013
Scope of Delta in Industrial Automation	17/7/2013	17/7/2013
Two days state level seminar on “Tribological aspects in Design”	3/10/2013	4/10/2013



Figure.2.3.6.FDP & Workshop organized by the Institute.

2.3.7 Detail (process and the number of students \ benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

Academic Support

- Institute provides Book Bank Facility to Students.
- Institute provides Printed Laboratory Manual to Students.
- Institute conducts Remedial and extra classes as per the need.
- Institute has T & P cell to provide career related guidance & support to the students.
- Institute conduct individual level counseling through tutor/mentor scheme.
- Institutes provide financial assistance to the research work of students.

Personal and psycho-social support-

- Individual level counseling through tutor/mentor scheme.
- In addition to above, students approach individual faculty member's /HOD/ Principal for career guidance and counseling.

- Suggestion box is maintained in each department where students, faculty members can give their suggestions.
- NSS activity gives social awareness amongst students. It also gives training for psychosocial support.

Guidance Services-

- The training & placement cell provides professional counseling to the students.
- The personality development sessions, entrepreneurship development programs are organized for students.
- Institute provides guidance for GATE, Civil Services Exams etc.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the Institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative? Practices on student learning?

Innovative teaching approaches adopted by the faculty-

- Interactive teaching learning approaches like brain storming, group discussions, Role plays.
- Use of flash animations, Puzzle solving.
- Case studies, Assignments.
- Use of E-learning resources such as NPTEL Videos.

Efforts made by the Institution to encourage the faculty:

- Faculty members are deputed for participating in the FDP, Work-shops and Industrial trainings to update their skills on recent technologies.
- Institute organizes Faculty development programs, expert lecture to encourage the faculty to adopt new and innovative teaching approaches.
- For example: AICTE approved FDP by IIT Bombay on “Use of ICT in education for Online and Blended Learning” Under the national Mission on Education through ICT(MHRD, Govt. of India) has been conducted at our institute to encourage the faculty to adopt new and innovative teaching approaches.
- Institute provides subscriptions for various National and International Journals.
- Institute has class room with LCD, Wi-Fi and LAN connection.
- Internet facility (155 MBPS leased line).
- Deputes staff for attending innovative teaching learning programs like Mission 10X.

2.3.9 How are library resources used to augment the teaching-learning process?

The library resources are used to augment teaching-learning process in the following manner

- Library procures learning resources as per the syllabus prescribed by the University. Resources are processed and organized by a standard established process.
- Information about all these learning resources is accessible throughout the campus via Online Public Access Catalog (OPAC). Index for all reading material is available through OPAC. Also Title wise, Author wise search option helps to access reading material easily.

- Subscribed e-resources are accessible through IP based and users can access full text of required material from their department and classroom. This facility helps in planning lecture and preparing lecture notes/ presentations.
- Students are made to refer text books, reference books prescribed in curriculum.
- Dedicated reference section with reading room in Library.
- Book bank facility.
- Use of e-learning resources.
- Use of e-journals and subscribed contents from ASCE, ASME, IEEE-ASPP, J-gate, Springer, Elsevier etc.

Table 2.3.9 Library Resource

Library Holding	Year 2013-14		Year 2014-15		Year 2015-16		Year 2016-17	
	No	Total cost	No	Total cost	No	Total cost	No	Total cost
Text book	2589	59749	629	6.58 lakh	949	6.48 lakh	462	3.08 lakh
Reference Book	364	2.22 lakh	571	1.56 lakh	557	8.62 lakh	30	1.05 lakh
Jouranal/ Periodical	25	34445	61	1.35 lakh	73	1.52 lakh	Renewal order has been placed	
e- resource	7	15.00 lakh	5	13.58 lakh	-	-	Renewal order has been placed	
Any other specify (News paper Genral books)	News Paper		News Paper		News Paper		News Paper	
	13		14		16		16	



Fig 2.3.9 Facilities provided by the library

2.3.10 Does the Institution face any challenges in completing the curriculum within the Planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Institute takes following efforts for completing the curriculum within the planned time frame and calendar:

- For some subjects additional teaching hours are provided to cover prerequisites.
- In university curriculum of newly introduced in-semester theory and online university exams, the academic calendar is prepared with optimal utilization of available weeks for teaching learning activities.
- Extra lectures are arranged to cover the syllabus.
- Academic Monitoring committee continuously monitors the academic performance & teaching learning process in order to complete the curriculum within the planned time frame.

2.3.11 How does the Institute monitor and evaluate the quality of teaching learning?

Institute monitor and evaluate the quality of teaching learning through:

- Institute has Academic Monitoring Committee which monitors all the academics, Student Feedback and overall teaching learning process to achieve maximum academic performance of the students.
- AMC checks course files, theory and practical attendance sheets, Lab manuals, staff feedback etc. in every semester. Also this committee monitors the classes and interacts with students and faculty regularly and on need basis suggests remedial measures and Motivates teachers to use latest technological aids.
- AMC inform all the issues raised by mentors & coordinators to principal. Based on the issues raised by the above mentioned committees, the Principal takes corrective measures to improve teaching learning process.
- Regular follow up is taken through the weekly meeting of the HOD by the Principal and staff meeting by HOD.
- Student attendance monitoring and reporting of the same to the parents by SMS/Letters.
- Continuous Monitoring through ERP system which generates various reports such as Daily monitoring, student attendance, teaching plan etc.
- Feedback about faculty is taken from the students. In this feedback, questions related to teaching competencies and attitude of the concerned faculty are asked. Based on the feedback, HOD gives necessary directions for improvement in the teaching methods. Principal also monitors the feedback system and counsels the faculty with low feedback. Dean academics is assigned to low performing faculty and their performance is reviewed regularly.
- Result analysis of internal examinations and university examination has monitored by all department head for corrective remedial measures.
- Supervision of lecture and practical sessions by HOD. Counseling is done to staff members for improvement.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

- Human resources required for teaching are planned as per the academic requirements from time to time. The requirements of teaching staff are consolidated by establishment section before start of new academic year.
- The staff is recruited as per guidelines of AICTE, New Delhi and SPPU. An overall student teacher ratio is maintained at 15:1 as per AICTE norms.
- Faculty is exposed to various technical and motivational training programs to upgrade their skills and keep themselves updated about the changing technological needs.
- The Institute involves stakeholders in formulating vision, mission and goals of the Institute which helps in improving their sense of belonging and in aligning all activities towards realizing them.

Table 2.4.1 (A) Staff Information

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent Teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	5	-	4	1	3	-	13
M.Phil.	-	-	-	-	-	-	-
PG	-	-	11	2	58	38	109
Temporary Teachers (Ad-hoc basis)							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
BE	-	-	-	-	4	1	5
Part-time Teachers							
Ph.D.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

Strategies adopted by the Institute for retention of faculty members are as follows:

- Provide academic autonomy for adopting various strategies of teaching appropriate for attaining desired learning outcome.
- Provide yearly increments & promotions based on Experience & Qualification.
- Implementing various welfare schemes for faculty like group gratuity, mediclaim policy, credit cooperative society, sevak welfare fund etc.
- Creating an atmosphere conducive for their professional growth.
- Assigning roles and responsibilities challenging their capabilities and making them strive further.
- Providing necessary infrastructure and facilities for promoting the culture of research.
- Deputing faculty for higher studies & research.
- Establishing research promotional policies for attending conferences and publishing research papers in India and abroad.

- Institute provides maternity leaves for ladies staff.

The details of faculty pursuing higher studies & the existing faculty who are encouraged for higher studies are given below.

Table 2.4.1 (B) Details of faculty pursuing and completed higher studies

Qualification	No. of staff
Ph.D	13
PhD Pursuing	35
PG	74

2.4.2 How does the Institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the Institution in this direction and the outcome during the last three years.

Steps taken by the Institute to cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas of study

- Institute has working towards technology integration in teaching & learning. With this aim to make faculty competent, FDP on Use of ICT in Education for online & blended learning has organized with association of IIT Bombay.
- Institute has NMEICT Remote Center (IIT Mumbai) [National Mission on Education through ICT (MHRD, Govt. of India). Participants can interact with the eminent faculty of IIT delivering a lecture from IIT and live lectures are transmitted at Remote Centers using A-VIEW software.
- Institute invites experts from academia as well as from industry to deliver lectures on modern and emerging areas.
- The Institute motivates & support faculty members for pursuing Ph.D. & higher studies.
- Institute has Remote Center of IIT Bombay which gives opportunity to faculty to interact with researchers through video conferencing.

Few of the eminent persons have visited to the campus and interacted with faculties and students. The details are as follows.

Table 2.4.2 Eminent persons visited to the institute.

Name of Department	Year	Name of Visiting eminent scientists / Industrial Person
Mechanical Engineering	2013	1. Mr.N.L.Soni, Senior Scientist, BARC, Mumbai 2. Dr.D.V.Bhat, Professor, SVNIT, Surat. 3.Dr.V.M.Phalle,Head VJTI,Mumbai
	2016	1.Dr. K.N. Iyer (IIT Mumbai) 2.Dr. R.P.Vedula (IIT Mumbai) 3.Dr. Sridhara Sheshadri (IIT Mumbai) 4.Dr.R.S.Jha, Manager (Innovation), Thermax

		<p>Ltd,Pune.</p> <p>5.Dr.Avsar Lakdawala, Nirma University, Ahmedabad.</p> <p>6.Dr.Parag Sonawane,Director (R &D), AIMID Ltd, Shenzen,China</p> <p>7.Shri. Rajendra Kumar Das, Vice President, CEAT Ltd, Nashik.</p> <p>8.Dr. Pankaj Jagad, Nirma University, Ahmedabad.</p> <p>9.Dr.Atul Srivastava (IIT Mumbai)</p>
Civil Engineering	2014-15	<p>1.Dr. Deepak Khare IIT Roorki,</p> <p>2.Dr. H. S. Patil NIT Surat</p>
	2015-16	1.Prof. V.L Manekar
MBA	2014-15	<p>1.Dr. Omprakash Kulkarni</p> <p>2.Arya Hycinth, Gordon Noronha</p>
Instrumentation and Control Engineering	2013	<p>1.Mr. Sunil Jadhav (Project Manager, Emerson, UAE)</p> <p>2.Mr. Ajinkya H Patil (Research Scholar, University Of Groningen, Netheland)</p>
	2014	<p>1.Mr. Nitin Lokhande (Director, ETA, Pune)</p> <p>2.Mr. Deepak Jain (SMEC Automation, Mumbai)</p> <p>3.Mr. Vinay Raju (Yokogawa, Bangalore)</p> <p>4.Mrs. Punam Borah (Yokogawa, Bangalore)</p>
	2015	<p>1.Mr. A.K.Das (Director, Monorail Mumbai)</p> <p>2.Mr. Rajesh Bhave (Emerson Process Management, Pune)</p> <p>3.Mr. Henry Hans (Emerson Process Management, Pune)</p> <p>4.Mr. Shirish Chaphekar (Emerson Process Management, Pune)</p>
	2016	<p>5.Dr. Pankaj M Koinkar (Tokushima University, Japan)</p> <p>6.Dr. M. D. Patil , (R.A.I.T., Mumbai)</p> <p>7.Dr. Vishwesh Vyawahare, (R.A.I.T., Mumbai)</p> <p>8.Mr. Umesh Gupta, (Research Scholar, IIT Pawai)</p> <p>9.Mr. Samir Patil (Atlanta, USA)</p> <p>10.Dr. O. G. Kulkarni, (Sharddha Inventions, Nashik)</p> <p>11.Mr. Aniruddha Sanvastare (Shriharsh Electronics, Nashik)</p> <p>12.Dr. Vikas Shinde (Manager R&D, Excel Industries Ltd, Mumbai)</p>

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the Institution in enhancing the teacher quality.

The Institute encourages (deputes) faculty/staff to take part in development programs conducted at the Institute or in other Institutes/organizations.

Table 2.4.3(A) Nomination to staff development programmes

Academic Staff Development Programmes	No. of staff Nominated			
	2016-17	2015-16	2014-15	2013-14
Refresher courses	-	-	-	-
HRD programmes	5	8	7	6
Orientation programmes	6	9	12	10
Staff Training Conducted by college	1	16	11	13
Staff training conducted by the university	1	-	-	-
Staff training conducted by other institutions	8	16	10	14
Summer/ winter schools, workshops	5	32	23	49

b) Faculty Training programmes organized by the Institution to empower and enable the use of various tools and technology for improved teaching-learning.

Table 2.4.3(B) Faculty Training programmes

Name of the Program	From	To	Days
Training program on “Automation Technology Covers PLC & SCADA” Conducted By: Prolific System, Pune.	21/06/2016	24/06/2016	4
AICTE approved FDP by IIT Bombay on “Use of ICT in education for Online and Blended Learning” Under the national Mission on Education through ICT(MHRD, Govt. of India)	2/5/2016	10/07/2016	60
Faculty Development program on Entrepreneurship Development Sponsored by DST.	11/03/2016	22/03/2016	12
STTP on Introduction to Structural Engineering.	4/1/2016	9/1/ 2016	07
PLC Training Program.	19-9-2016 20-9-2016	25-9-2016 26-9-2016	04
Training program on “C Programming” Conducted By Seed Infotech Ltd., Nashik.	23/06/2016	28/06/2016	5
Inbound Training Program on Personality Development By-Arya Hycinth -Pune	27/9/2016	27/9/2016	1
Training program on VLSI.	15/07/2016	16/07/2016	2

Training program on “PCB Design” Conducted By Arya Technology. ,Nashik.	05/02/2016	06/02/2016	2
Training program on Advanced Cmos layer designing	15/07/2015	16/07/2015	2
Training program on DeltaV DCS	15-6-2015	19-6-2015	05
Outbound Training Programme on Personality Development By-Arya Hycinth -At Pachgani	25/02/2015	27/02/2015	3
Training program on “Ardino Procesor ,Latex ,PCB Design” Conducted By MicroIndia, Pune	12/02/2015	14/02/2015	3
Training program on.NET and Azure.	17/1/2015	14/3/2015	4
Faculty Development program on Entrepreneurship Development	18/12/2014	30/12/2014	12

Table 2.4.3(C) No. of faculty participated in Workshops /Seminar / Conferences.

Details of faculty participation in workshops / Seminars / Conferences	No. of Faculty			
	2016-15	2015-14	2014-15	2013-14
Invited as resource persons in workshops/Seminars/Conferences organized by external professional agencies.	3	4	3	7
Participated in external Workshops / Seminars/Conferences recognized by national/international professional Bodies	18	50	45	64
Presented papers in Workshops/ Seminars/Conferences conducted or recognized by professional agencies	18	31	47	61

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

- Institute encouraged faculty to participate in training programmes /workshops/ seminars/conferences/FDPs to get advanced level of knowledge and professional skills.
- The Institute provides duty leave to faculty for attending seminars, conferences, STTP and FDP.
- The Institute reimburses the conference registration fees, publication fees paid by the faculty.

Research grants:

- The Institute encourages the faculty to apply in order to get research grants from funding agencies like AICTE, BCUD and DST.

Table 2.4.4 (A) List of Faculty working on funded project

Name of Faculty	Role of Faculty	Funding Agency
Dr. N. S. Patil	Assistant Coordinator	DIC, SPPU, Pune
Dr. S.B. Sonawane	PI Major Research Project	SERB, DST, Govt. of India
Mr. V. C. Shewale	PI Minor Research Project	BCUD, SPPU, Pune
Mrs. S.H.Jadhav	PI Minor Research Project	BCUD, SPPU, Pune
Mrs. R.N.Mahale	PI Minor Research Project	BCUD, SPPU, Pune
Dr.S.R.Pachorkar	PI Minor Research Project	BCUD, SPPU, Pune
Dr. S. J. Kokate	PI Minor Research Project	BCUD, SPPU, Pune
Mr. S. Y. Pawar	PI Minor Research Project	BCUD, SPPU, Pune

Study Leave:

- Institutes grant the Study Leave to the faculty for Research work and higher studies.

Table 2.4.4 (B) List of Faculty granted leave for research work

Name of Department	Year	Name of Faculty Granted Leave for Ph.D.	Name of research institute
Civil Engineering	2015-2016	Mr. S. M. Waysal	SVNIT, Surat
	2016-2017	Mr. R. V. Devalkar Mrs. M. C. Aher	SVNIT, Surat
Instrumentation & Control Engineering	2010 to 2015	Mr. A. R. Kulkarni	MNNIT, Allahabad
	27/01/2015 to 30/6/2015	Mr. Y. P. Patil	SVNIT, Surat
Mechanical Engineering	2011-2012	Mr. S.P. Mogal	SVNIT Surat
	2011-2012	Mr. A.B. Kakade	SVNIT Surat

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Table 2.4.5 Award Received by Faculty

Sr. No	Name of Faculty	Award / Recognitions	Awarding Organization	Year
01	Dr.K.S.Holkar	Best Teacher Award	SPPU	2015-16

02	Dr. S. B. Sonawane	IEI Young Engineer Award	Institution of Engineers, India	2015-16
03	Dr. S. B. Sonawane	Promising Engineer Award	Institution of Engineers, Nashik Center	2014-15
04	Dr.S.R.Pachorkar	State level-Avishkar-13	Government of Maharashtra	2013-14
05	Mr.V.M.Birari	Best Paper Award	PCCOE,Pune	2015-16

2.4.6 Has the Institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Evaluation of Teachers by students

- Every semester, Institute provides the Feedback form to students for evaluation of teachers.
- The students fill up the feedback form of each subject teacher made available by the Institute.
- All the respective departments of the Institute prepare reports based on student's feedback.
- Institute takes the necessary corrective actions based on the feedback report.
- The students can also provide suggestions through the suggestion box.

Evaluation of Teachers by external peers

- As there is no provision as such to evaluate teachers by external peers, the Institute has established Academic Monitoring committee (AMC) to evaluate the faculty performance.
- AMC monitor all the Academics, Student Feedback and overall teaching learning process.
- AMC checks course files, theory and practical attendance sheets, Lab manuals, staff feedback etc. in every semester.
- Based on the observations, the Academic Monitoring committee takes corrective actions to bring improvements in teaching-learning process.

Corrective measures based on evaluation

- Institute communicates all the feedbacks and suggestions given by the Academic monitoring committee and students to the concerned faculty.
- The faculty is then instructed to bring necessary corrective changes in the teaching learning approach suggested by AMC & students.

2.5 Evaluation Process and Reforms

2.5.1 How does the Institution ensure that the stakeholders of the Institution especially students and faculty are aware of the evaluation processes?

- Institute follows all the evaluation processes & procedures define by the SPPU.

- Institute displays all the circulars, notices issued by the SPPU on its website. www.kbtcoe.org.
- The administration and exam department of the Institute communicate the circulars and notices regarding evaluation to all respective departments.

Information for students

- Notices/circulars from SPPU regarding evaluation process are displayed on the notice boards and also conveyed to the students by the class teachers.
- Term work evaluation of students is based on continuous assessment. Students are made aware of this assessment scheme in the orientation program.
- Institute disseminates Outcome based evaluation methods to students and parents through Parents meet organized every semester.

Information for Faculty

- Institute displays Notices/circulars issued by SPPU on ERP Portal.
- Notices/circulars are circulated to faculty in department meetings.
- Continuous assessment evaluation scheme is discussed in departmental meetings.

2.5.2 What are the major evaluation reforms of the university that the Institution has adopted and what are the reforms initiated by the Institution on its own?

University Reforms adopted by the Institute

- Institute conducts online tests, In-semester exam, and University exam as per the scheduled given by the SPPU.
- Institute follows the choice based credit system for post graduate courses introduced by SPPU.
- Institute follows Exam rules & regulations specified by the SPPU. Students can apply for the Photocopy of answer sheets for evaluation in case he/she is not satisfied with the assessment.

Reforms initiated by the Institute

- Institute has developed internal evaluation process.
- Institute conducts Mock test, internal test for the students.
- Institute Evaluate the students based on Students attendance, assignments, performance in internal/Online test, students overall performance which supports the choice based credit system.
- Institute monitors the academics through Daily monitoring Reports of ERP.
- The academic progress of the Students is monitored by the Mentors and respective subject teacher.
- The Institute appoints faculty as examiners for the internal exam, mock test.

2.5.3 How does the Institution ensure effective implementation of the evaluation reforms of the University and those initiated by the Institution on its own?

Institute effectively implements the evaluation reforms recommended by the SPPU by following way:

- Institute follows all Exam rules & regulations specified by the SPPU.
- Institute conducts In-sem Exam, online exams, Oral, practicals, university exams effectively as per the guidelines given by the SPPU.

- Institute has good IT infrastructure & facilities to conduct the above Exams effectively.
- Institute has assigned Chief Exam Officer under the norms of examination department of SPPU.
- Institute displays details of all the evaluation reforms of the SPPU on institute website & notice boards, which helps students to get awareness of all reforms.

Institute effectively implements the evaluation reforms initiated by the Institute by following way.

- Institutes conducts Mock test, internal test in every semester.
- Institute has Exam coordinator in each department for smooth conduction of online exam and internal tests.
- Institute conducts practice sessions for First year University online exam
- Institute gives assignments, mini projects, case studies to the students and based the on that, student performance is evaluated.

2.5.4 Provide details on the formative and summative assessment approaches adapted to measure student achievement. Cite a few examples which have positively impacted the System.

Institute has adopted following Formative assessment approaches to monitor individual student learning.

- Institute provides self learning Assignments, Mini projects to the students.
- Institute conducts activities like Poster Presentations, Group Discussions, and technical quiz/debate to assess the intellectual & interactive skills of the students.
- Institute organizes Industrial Visits for students and asks them to prepare the report on it.
- Institute conducts internal test & mock test for the students.
- Student's participation in Workshops/Seminars/conferences.
- Student's participation in national/international/intercollege competition.
- Students Overall attendance and conduct throughout the semester.
- Student's participation in Social activities.

University has following Summative assessment approaches to measure student achievement.

- University written exam at the end of semester.
- University Practical exam.
- Viva voce and seminar.
- Project exam.

Following is an example of outcome of formative assessment process which reflects positive impact on student's performance & placements.

As a result of good formative assessment, the number of students placed in last 3 years has increased

Table 2.5.4 Number. of students placed in last 3 years

Academic year	Number of student placed
2015-16	86

2014-15	71
2013-14	49

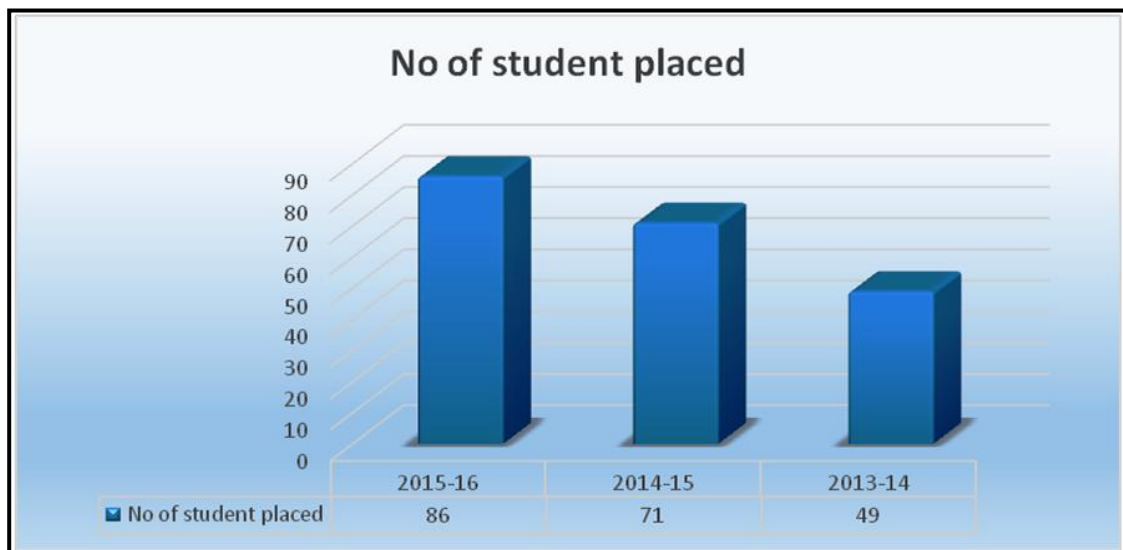


Fig. 2.5.4 No. of Students placed

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

Institute has taken following efforts to have transparency in the internal assessment.

- Institute has developed assessment sheet which considers students attendance, assignments, performance in internal/Online test, students overall performance.
- Institute prepares Department wise Academic Calendar & displayed it on notice board consisting details of test slot and Institute/department events, at the start of semester.
- All department maintains record for every student which contains details of student attendance, test marks, assignments etc.
- Institute monthly communicate the student attendance through SMS/letters.
- Every department displays the Students attendance, internal/mock test marks on the notice board.
- Institute gives assignments to students or conducts retest for failure in the internal test.
- Institute organizes Parent Meet through which progress of the students are communicated to the parents.
- Institute has appointed Mentors to assess & measure academic progress of the Students. Based on that individual level counseling of students is done by the respective mentors.
- Students can discuss issues regarding academic & test performance with the concerned teacher at the time of tutor/mentor meeting
- Following Fig 2.5.5 shows the Term Work Assessment Sheet.



NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S
KARMAVEER ADV. BABURAO GANPATRAO THAKARE COLLEGE OF ENGINEERING
 NASHIK - 13

Udoji Maratha Boarding Campus, Pumping Station, Gangapur Road, Nashik-422013, Maharashtra, India
 Visit us at : www.khtcoe.org

Department of Civil Engineering

Practical Attendance Record (Academic Year 2014-15 Semester II)

Name of Lab: Engineering Mechanics

Subject: Engineering Mechanics

Class: FE (Mech A)

Batch: MA-1

Exam Seat Number	Roll No	Name of the Student	Marks for attendance	Marks for Journal/ File	Marks for assignment	Marks for test	Marks for overall performance	Total Marks	Signature of the student
F120290002	1	ABRAHAM RIJIN MATHAI	2.5	4.0	4.5	2.5	3.5	17	[Signature]
F120290003	2	ACHARE NAYAN SHARAD	3.5	4.0	4.5	3.5	4.0	20	[Signature]
F120290007	3	AHER KOMAL GANESH	4.0	5.0	5.0	3.5	4.5	22	[Signature]
F120290008	4	AHER PRATHAMESH BALKRISHNA	4.0	4.0	4.5	2.0	3.5	18	[Signature]
F120290011	5	AHIRE RITESH KISHOR	0.5	2.0	2.0	2.5	2.0	11	[Signature]
F120290013	6	AKHADE SAGAR ASHOK	0.5	4.0	4.5	2.0	3.0	15	[Signature]
F120290019	7	ANSARI SHAHNAWAZ AZIZ	4.5	4.5	4.5	3.0	4.0	21	[Signature]
F120290023	8	ATHARE YOGESH MADHUKAR	3.0	4.0	4.5	2.5	3.5	18	[Signature]
F120290026	9	AVHAD NIKHIL SHANKAR	3.0	4.5	4.5	1.5	3.5	17	[Signature]
F120290028	10	AVHAD RASHMI SANDEEP	2.0	4.0	4.5	2.0	3.0	16	[Signature]
F120290031	11	BACHHAV VIJAY NANAJI							
F120290367	12	BAGUL RAHUL SURESH	4.0	4.0	4.5	2.5	4.0	19	[Signature]
F120290033	13	BANAIT AMIT SANJAY	4.0	4.5	4.5	3.0	4.0	20	[Signature]
F120290034	14	BANDGAR SURAJ VIJAYANAND							
F120290035	15	BANGAR AKSHAY SOMNATH	1.5	4.0	4.5	2.5	3.0	16	[Signature]
F120290038	16	BARHATE SIDDHANT MURLIDHAR	3.0	4.0	4.5	1.5	3.5	17	[Signature]
F120290040	17	BARI GAURAO SUBHASH	4.0	4.5	4.5	3.5	4.0	21	[Signature]
F120290043	18	BHADANE SAGAR BHASKAR							

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Fig 2.5.5 Assessment Sheet

2.5.6 What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

Graduated attributes:

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.
- Problem analysis: Identify, formulate, research literature, and analyses complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modeling to complex engineering activities, with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the

consequent responsibilities relevant to the professional engineering practice.

- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Steps taken by the Institute to attainment of this Graduated attributes:

- Institute has developed Program Educational Outcomes, Program Outcomes, Course Objectives and Course Outcomes, which are in accordance with the University.
- Outcome base education (OBE) is implemented as per the requirement
- Mapping of courses with PO is carried out.
- Institute develops teaching learning process and infrastructure to meet the above requirement.
- Institute regularly monitors the attainment of the same. It may modify the academic process to meet the outcomes.
- The OBE document of the institute will be placed before the committee at the time of expert visit.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

- Redressal of grievances is permitted by University only for end semester examinations and not for online, term work/oral/practical, project, and seminar examination.
- The mechanisms for redressal of grievances with reference to evaluation are as follows:

Institute level mechanisms for redressal of grievances with reference to evaluation:

- Students are made aware of the assessment methods at the beginning of the semester and whenever necessary.
- Institute has appointed Chief Exam Officer (CEO) to solve grievances of the students.
- Term End exam marks & Internal Test mark are displayed on notice board.
- Students having grievances with the internal evaluation process can directly discuss their doubts individually with respective faculty members.

- Students can approach the Head of the Department, in case of any grievances
- Institute provides support for solving student grievances related to Exam form filling, Results, Eligibility etc.

University level mechanisms for redressal of grievances with reference to evaluation:

- Paper setting, conduction of examination, evaluation and declaration of results is done by SPPU.
- After the results are declared by the University, students can apply for photo copy of their answer sheets, which are provided by the University on payment of fees.
- Upon receipt of the application forms by the university from the college/institute, “cell providing Photo copy of Answer Book” shall scrutinize the answer-book and shall verify the following:
 - a) Whether the total marks in the given paper awarded to the examinee on the statement of marks matches with the awarded to the examinee on the cover page of the answer books?
 - b) Whether the question-wise marks awarded to all the questions inside the answer books are correctly carried over to the cover page?
 - c) Whether the total of the question-wise marks on the cover page is correct?
 - d) Whether all the answer or parts thereof in the answer books(s) have been assessed by the examiner?
 - e) Any other matter as may be prescribed by the board of examinations of the University.
- The photocopy of the Answer sheets shall be sent to the HOD/Principal of the college by the University.
- If the student has grievance after receiving photo copy of answer sheet, then he/she can apply for revaluation by paying revaluation fees.
- University authorities pass the Ordinance No. 1 to 10 relating to the conduct of examination. University has displayed detailed Ordinance information at examination portal of the website: www.unipune.ac.in.

2.6. Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?

- Yes, every department prepares its own Program Educational Objectives.
- For every course/subject separate course objective and outcomes are specified by SPPU, Pune.
- These are discussed with staff in departmental meetings. These are also reflected in course files.
- Program Educational Objectives and Outcomes are displayed on institute website.
- Program Educational Objectives and Outcomes are communicated to the students through notice boards.
- Program Educational Objectives and Outcomes of Mechanical Engineering are stated below.

Program Education Objectives (PEO's):

- PEO1: To prepare technocrats that can satisfy the need of mechanical and allied industries.
- PEO2: To develop critical thinking, problem solving skills, research aptitude and carrier and professionalism among the students.
- PEO3: To improve and expand technical and professional skills of students through effective teaching-learning and industry interaction.

Institute has done the mapping of each course outcome with the Program Outcomes to evaluate & achieve the teaching learning outcome.

Mapping of Course DME_II (TE Mech) with the Program Outcomes, Example is as follows-

- Subject:- Design of Machine Elements (TE Mech)
- Course Outcomes-
 1. Ability to design and analyze Mechanical transmission systems
 2. Ability to design and select different types of bearings from manufacturer's catalogue.
 3. Enhancement in proficiency of CAD software for design and analysis so that students are capable to generate production drawing.

Table 2.6.1 Mapping of Course Outcome with Program Outcome

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
1	1	1	2	0	0	1	0	0	2	2	0	1
2	1	1	2	0	0	1	0	0	2	2	0	1
3	0	0	0	0	2	0	0	0	2	1	0	1

Rating (2- High Rating, 1- Low rating, 0- No rating)

2.6.2 Enumerate on how the Institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of students results/achievements (Programme/ course wise for last 4 years) and explain the differences if any and patterns of achievement across the programmes/ courses offered.

- Institution has established a well-defined process to monitor & asses the progress and performance of students.
- All departments follow this process and communicate this to their parents at regular intervals.

Institute monitors the student academic performance by following way.

- Institute conducts students internal assessment based on Students attendance, assignments, performance in internal/Online test, students overall performance.

- Institute has implemented tutor/mentor scheme through which students overall academic progress is monitored.
- Institute monitors the student's attendance through ERP.
- Institute analyses the performance of students in internal assessment and based on that, preventive and corrective actions are taken on non-performing students.
- Institute also used formative and summative assessment approach to monitor & evaluate student academic performance.
- Formative assessment includes in semester exams, online exams and summative assessment includes end-semester exams for theory and practical/oral/term work.

Institute communicate the student academic performance by following way.

- Institute regularly communicate the continuous assessment to the student in tutor/mentor meets for self-analysis and improvement.
- Institute displayed the results of online exams/internal exam on the notice board.
- Institute displayed the results of in-semester exams and end-semester exams on the institute website.
- Institute conducts Parent to communicate the overall progress of each student to their parent.
- At the end of every month, attendance report is displayed to the students and also conveyed to the parents.
- Institute prepares the detail result analysis report at the end of semester for analysis & evaluation of teaching learning process.
- The result analysis of all courses of last four years is shown below.

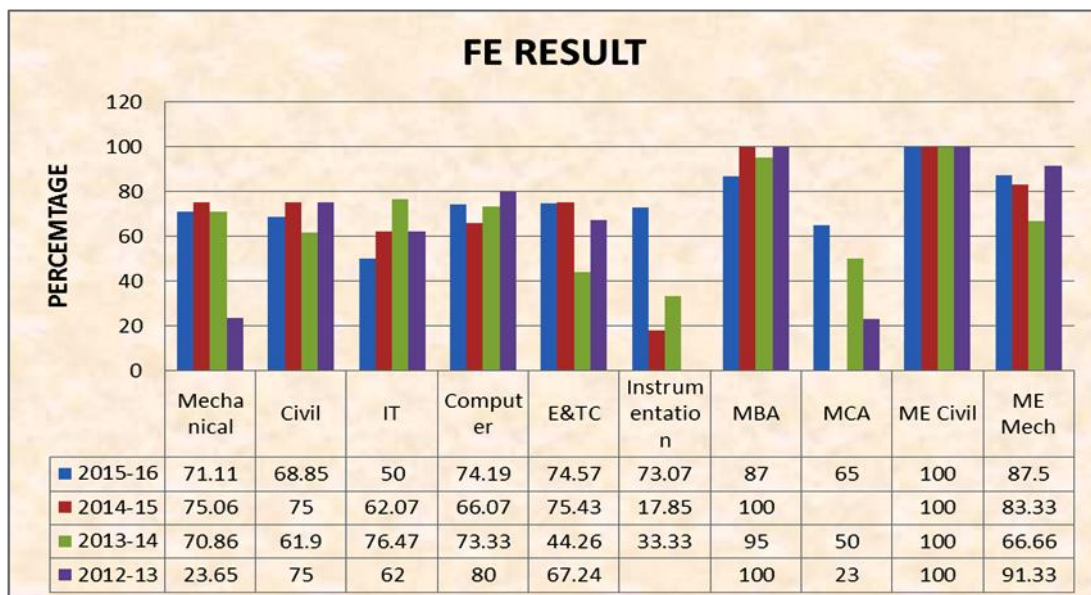


Fig 2.6.2 (A) F.E Result Analysis

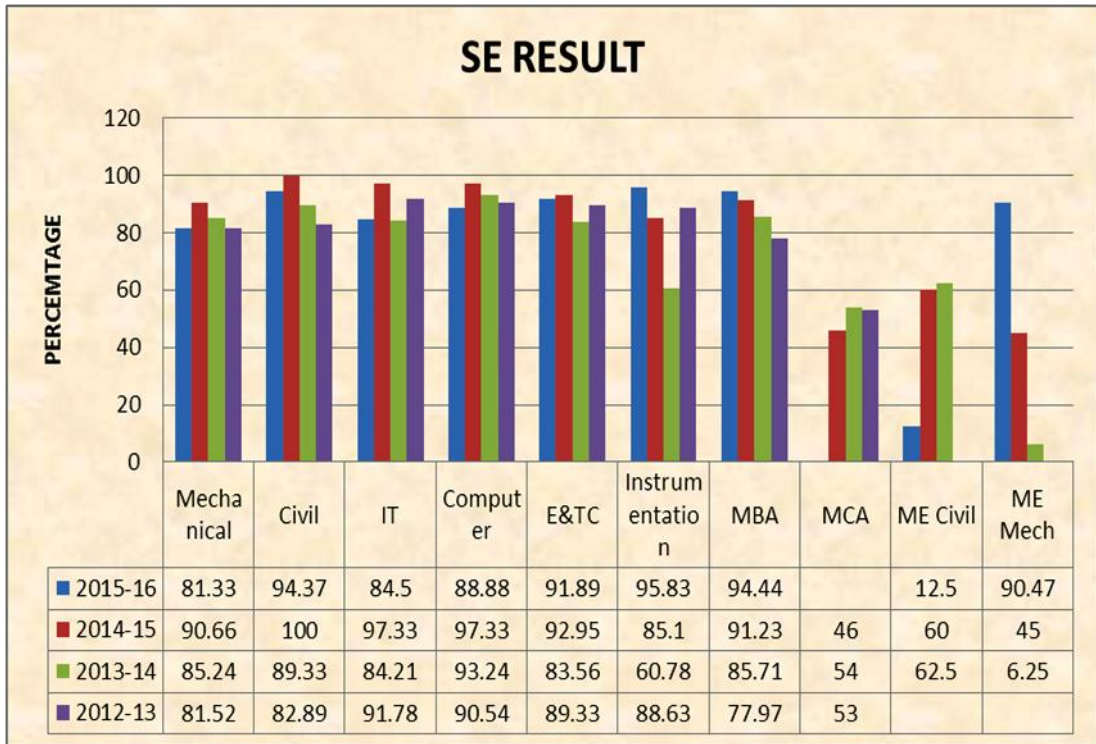


Fig 2.6.2 (B) S.E Result Analysis

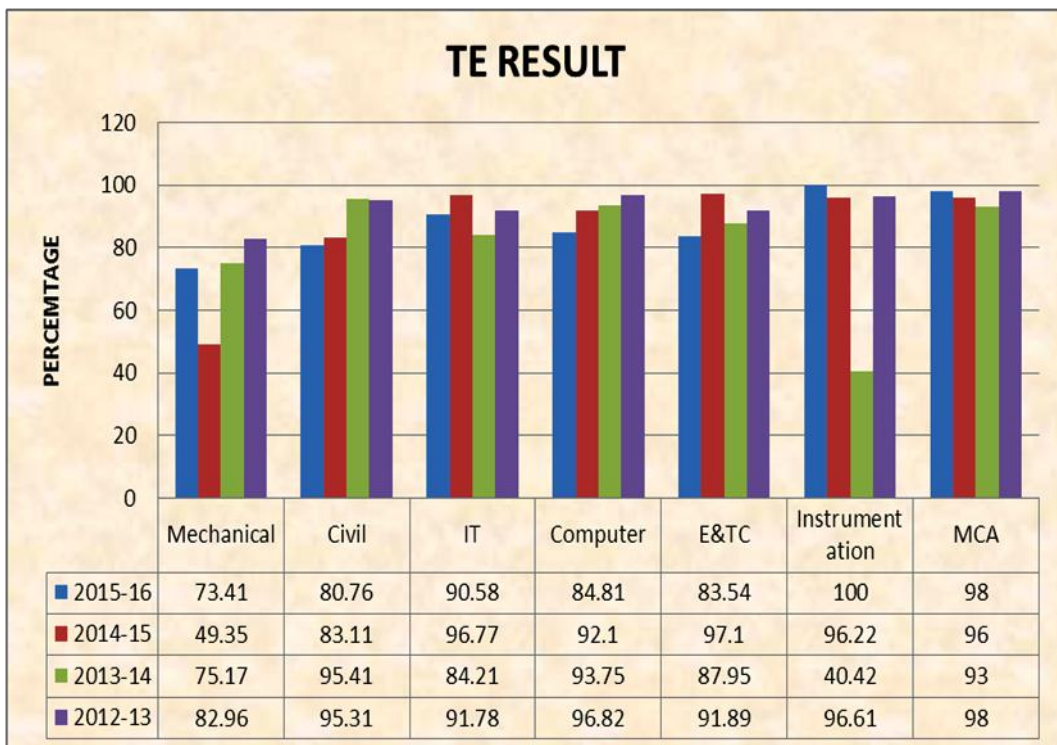


Fig 2.6.2 (C) T.E Result Analysis

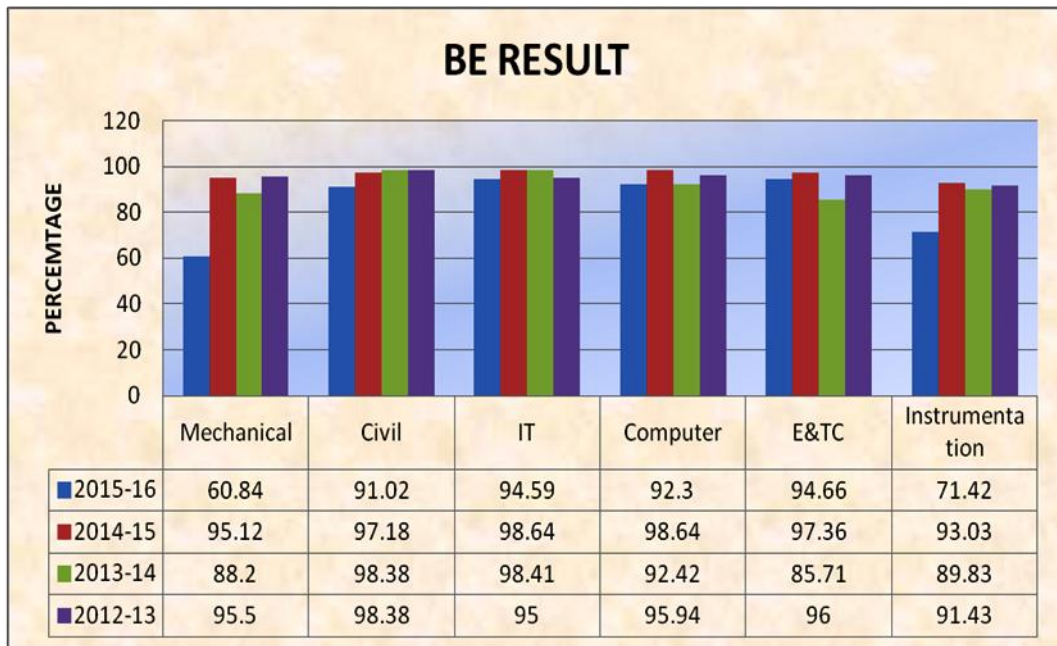


Fig 2.6.2 (D) B.E. Result Analysis

2.6.3 How are teaching, learning and assessment strategies of the Institution structured to facilitate the achievement of intended learning outcomes?

Teaching:

- Institute has well defined teaching strategy. Before the commencement of each semester, Institute level academic calendar is prepared and circulated by Dean Academics. Department level academic calendar is also prepared by respective time table coordinator. By referring to the academic structure, Institute and department calendars, each course teacher prepares Lecture Planning through ERP and implementation status is filled in after every lecture.
- All teaching resources are procured well in advance before commencement of the curriculum. Faculty teaching new course is deputed for various training programs. Course coordinator identifies the need for content beyond syllabus and develops strategies for their implementation. Faculty teaching the course implements the same.
- A well-defined process of academic monitoring is implemented through ERP. This process is useful to effectively balance syllabus contents and lecture conduction. Gaps identified during academic monitoring are bridged by conducting make up lectures. Student feedback plays an important role for the assessment of teaching strategies.

Learning:

- Every course teacher plans various modes of delivery such as chalk/talk, PPTs, case study, tutorials, quiz, projects, seminars, self-learning industry visits, internships etc. for achieving desired learning outcome.
- Faculty prepares the course files and other study materials, unit wise notes to support the learning outcomes.
- Students are encouraged for rural based and social need based projects under NSS activity.

- Institute motivates students to participate in national level project competitions organized by other Institutes and universities such as Avishkar, Axis-14, Aakaar etc.
- To meet the outcomes, guest or expert lectures are organized for critical subject and current trends in technology.

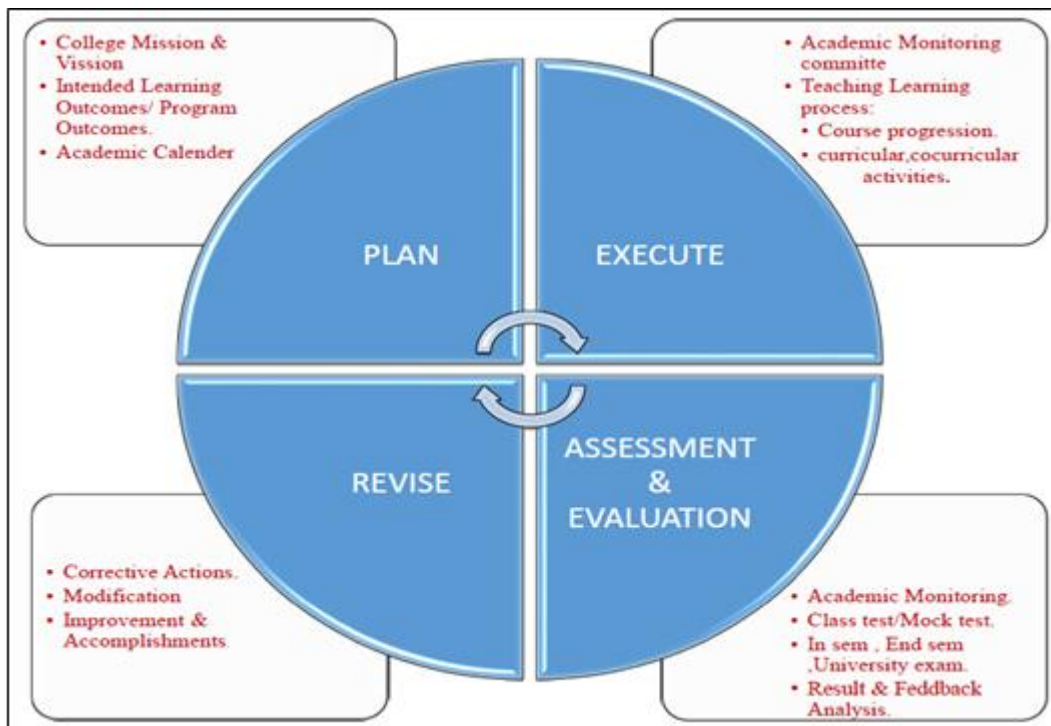


Fig 2.6.3 Continous Improvement Process

Assessment Strategies:

- The achievement of learning outcomes in terms of learning outcomes in terms of academic performance is carried out as per the norms laid down by SPPU. Various formative and summative assessment methods explained in 2.6.2 are used for this purpose.
- Institute has developed continuous Improvement process to facilitate the achievement of intended learning outcomes.

Institute has done the mapping of each course outcome with the Program Outcomes to evaluate & achieve the teaching learning outcome.

Mapping of Course DME_II (TE Mech) with the Program Outcomes, Example is as follows-

- Subject:- Design of Machine Element II (TE Mech)
- Course Outcomes-
 1. Ability to design and analyze Mechanical transmission systems
 2. Ability to design and select different types of bearings from manufacturer's catalogue.
 3. Enhancement in proficiency of CAD software for design and analysis so that students are capable to generate production drawing

Table 2.6.3 Mapping of Course Outcome with Program Outcome

Course Outcome	Program Outcome											
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12
1	1	1	2	0	0	1	0	0	2	2	0	1
2	1	1	2	0	0	1	0	0	2	2	0	1
3	0	0	0	0	2	0	0	0	2	1	0	1

Rating (2- High Rating, 1- Low rating, 0- No rating)

2.6.4 What are measures/ initiative taken up by the Institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

Following initiatives are taken by the Institute to enhance the social and economic relevance of the courses offered.

- Institute have Dedicated entrepreneurship development cell which conducts different activities to develop Entrepreneurship skills among the students.
- The Institute provides various value added courses like-
 - **SAP-** Various modules are run under SAP like Material management, ABAP, Sales & Distribution etc.
 - **Design Innovation center-** various courses are conducted under Design Innovation center like Design and development of signal conditioning & Sensor technology, advanced techniques for Environment Watershed Management, Post graduate Diploma in Computer-aided Product Designs.
- Institute has established First Automation center in collaboration with fox control, Nashik.
- Institute has signed Memorandum of Understanding (MOUs) with many leading industries as well as research institutes which help students to get industry knowledge, training, project work etc.
- The Department of Instrumentation & control has established Dr.Vasantrao Pawar Young Engineering lab at horizon academy, Nashik.
- Library provides various National/International journals, e-resources which helps students to their projects.
- Library has DELNET membership of Delhi, which helps students to access National/ International journals.
- Faculty involves students in their funded research projects.
- Faculty members encourage the students to participate in state/national/international conference, competitions like AVISHKAR (SPPU-Pune sponsored zonal and state level project competitions to develop scientific & innovative temper among students.
- Institute organizes annual national level technical event for the students.
- The event include technical paper presentation, project exhibition, coding competition, quizzes, technical games, robotics competition, circuit building, Circuit Mania, Placement Bonanza Competition and Texas Instruments India Analog Maker Competition, lathe war, paperanzaa, cannon ball, logic cube etc. to develop scientific temper and research culture among student.

- The Institute is having Akash Remote Center of IIT-Mumbai. Under that 224 Akash Tablets were given to the students for their project work.
- NMEICT Remote Center (IIT Mumbai) [National Mission on Education through ICT (MHRD, Govt. of India). Students can interact with the eminence faculty of IIT delivering a lecture from IIT and live lectures are transmitted at Remote Centers using A-VIEW software.
Institute invites experts from academia as well as from industry to deliver lectures on modern and emerging areas which help students to develop their innovative & scientific temper.
- Institute organizes Conferences, research paper competition, seminars and workshops for students.
- Institute provides financial assistance to students for their innovative projects.
- Institute has adequate online and offline learning resources available in the library for teaching, learning as well as research.
- Institute deputed the students for internship programs to industries and Institutes of repute.
- Training & Placement cell of Institute trains the students for placement and helps them to develop an all-round personality by conducting a variety of sessions on aptitude training, soft skills etc.
- The Institute promotes environmental and social awareness amongst the faculty and student community by celebrating Yoga day and Environment day.
- The NSS volunteers undertake various social activities and environment protection drives in the nearby villages as a part of their annual NSS camps.

2.6.5 How does the Institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

Institute collect data on Students performance & Learning outcomes by following way:

- The Academic Monitoring committee in the Institute continuously monitors the achievement of learning outcomes.
- Institute analyses the student attendance through daily monitoring report of ERP.
- Institute conducts Tutor/ Mentor meet regularly with the students to analyses the student's progress and based on that corrective actions are taken.
- All faculty with their respective subjects submits students internal assessment report to Head of departments department compiles student's performance report.
- All Head of Departments conducts meeting with the faculty members to assess the teaching learning & evaluation process by considering students performance report.
- Institute has done the mapping of each course outcome with the Program Outcomes to evaluate & achieve the teaching learning outcome.
- Results of formative and summative assessment methods are the major indicators for evaluating student performance.
- Student Placement through in campus & off campus interviews and number of students pursuing higher studies indicates the achievement of learning outcome.

Steps taken by the Institute to overcome the barrier of learning:

- Results of formative & summative methods are used by the course teacher to improve the performance in the same course for the next batch of students.
- Non-performing Students are identified and proper corrective and preventive actions are planned, so that students can improve their performance in summative exams.
- Institute conducts soft skills classes, Remedial classes, and extra lectures for academically weak students.
- Institute has established Tutor/Mentor scheme which performs individual level counselling of students and solves students difficulties related to the academics.

2.6.6 How does the Institution monitor and ensure the achievement of learning outcomes?

- The Academic Monitoring committee in the Institute monitors the achievement of learning outcomes.
- The achievements of learning outcomes are ensured by Institute through the feedback from its stakeholders and the industry.
- Student Placement through in campus & off campus interviews and number of students pursuing higher studies indicates the achievement of learning outcome.
- Teaching learning process is continuously monitored and immediate remedial measures are taken to overcome problems.

Steps taken by the Institute to monitor and ensure the achievement of learning outcomes:

- Institute has developed Program Educational Outcomes, Program Outcomes, Course Objectives and Course Outcomes, which are in accordance with the University.
- Institute has implemented Outcome base education (OBE) as per the requirement.
- Institute has done the mapping of each course outcome with the Program Outcomes to evaluate & achieve the teaching learning outcome.
- Institute regularly monitors the attainment of the same.
- Institute develops teaching learning process and infrastructure to meet the above requirement.
- The OBE document of the institute will be placed before the committee at the time of expert visit.

Following is an example of Mapping of the courses (Mechanical department) with the PO.

Table 2.6.6 Mapping of the courses (Mechanical department) with the PO.

Course code	Course title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
102013	Basic Mechanical Engineering	2	1	-	-	-	1	1	-	-	-	-	-
102014	Engineering Graphics II	-	-	1	-	2	-	-	-	-	-	-	-
107008	Engineering Mathematics III	3	2	-	-	1	-	-	-	-	-	-	2
202041	Manufacturing Process-I	2	-	-	-	-	2	1	-	-	-	-	-
202042	Computer Aided Machine Drawing	-	-	-	-	3	-	-	-	-	1	-	-
202043	Thermodynamics	2	3	1	2	1	1	-	-	-	1	-	-
202044	Material Science	1	-	1	-	1	1	2	-	-	-	-	-
202051	Strength of Materials	3	1	1	3	-	1	-	-	-	1	-	-
202045	Fluid Mechanics	2	2	1	2	1	-	-	-	-	1	-	-
202047	Soft Skills	-	-	-	-	-	-	-	3	3	2	-	2
202048	Theory of Machines-I	3	2	1	-	-	1	-	-	-	1	-	-
202049	Engineering Metallurgy	-	-	1	-	1	1	2	-	-	1	-	-
202050	Applied Thermodynamics	2	1	2	1	-	1	2	-	-	1	-	1
203152	Electrical and Electronics Engineering	2	1	-	-	-	-	-	-	2	-	-	-
202053	Machine Shop – I	-	-	-	-	-	1	1	-	-	-	-	-
302041	Design of Machine Elements – I	3	1	3	1	1	1	2	-	2	1	1	1
302042	Heat Transfer	3	2	2	-	1	-	1	-	-	1	-	1
302043	Theory of Machines-II	2	1	1	-	-	1	-	-	-	-	-	-
302044	Metrology and Quality Control	1	1	1	-	1	1	1	-	-	1	-	-

Course code	Course title	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
302045	Hydraulics and Pneumatics	1	1	1	-	1	1	-	-	-	-	-	-
302046	Skill Development	-	-	-	-	-	-	-	2	-	2	-	-
302047	Numerical Methods and Optimization	3	2	-	1	2	-	-	-	-	-	-	1
302048	Design of Machine Elements -II	2	2	3	1	1	1	2	-	1	1	1	1
302049	Turbo Machines	2	2	1	1	-	-	2	-	-	-	-	-
302050	Mechatronics	-	1	1	1	1	1	-	-	2	-	-	-
302051	Manufacturing Process-II	-	-	1	-	1	1	1	-	-	-	-	-
302052	Machine Shop -II	-	-	-	-	1	1	1	-	-	-	-	-
302053	Seminar	-	2	-	-	-	-	-	3	2	3	-	2
402041	Refrigeration and Air Conditioning	2	1	2	-	1	1	2	-	-	1	1	1
402042	CAD/ CAM Automation	2	2	2	2	2	1	-	-	-	-	-	-
402043	Dynamics of Machinery	3	2	2	1	1	1	1	-	-	1	-	1
402044	Tribology (Elective-I)	3	2	2	1	-	-	2	-	-	-	-	1
402045	Advanced Manufacturing Processes (Elective-II)	-	-	1	-	1	2	1	-	-	-	-	1
402046	Project –I	-	2	-	-	-	-	-	2	3	3	3	2
402047	Power Plant Engineering	2	1	1	-	-	-	2	1	-	1	-	1
402048	Mechanical System Design	2	1	3	1	1	1	2	-	2	1	-	2
402049	Industrial Engineering (ELE-III)	-	-	-	-	-	1	-	-	-	-	1	1
402050	Finite Element Analysis (ELE-IV)	3	3	2	3	2	1	-	-	-	-	-	-
402051	Project – II	2	2	-	-	-	-	-	-	3	3	3	3

2.6.7 Does the Institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Yes, Institute use evaluation outcomes as an indicator for evaluating student performance.

Following are the Indicators used by the Institute for evaluating student performance & learning objectives

- Institute has clearly define Vision and Mission are highly correlated with the Programme Educational Objectives (PEOs) of each department, which in turn are mapped to Program outcomes.
- Therefore, PO and PEO attainment indicate the alignment of academic activities with the vision and mission of the Institute.

Following are the Indicators used by the department for evaluating student performance & learning objectives.

- POs are also aligned with the Graduate Attributes that a student is expected to develop on completion of the program.
- Their attainment or lack of it helps in aligning the activities of the department

Following are the Indicators used by the individual teacher for evaluating student performance & learning objectives.

- Institute has done the mapping of each course outcome with the Program Outcomes to evaluate & achieve the teaching learning outcome.
- Results of formative and summative assessment are the major indicators used by the respective course teachers for evaluating student performance.
- Non-performing Students are identified and proper corrective and preventive actions are planned, so that students can improve their performance in summative exams.
- Example: If a student scores less marks in in-Semester or On-line exam, course teacher prepares them for summative exams by putting extra efforts by means of corrective action (Extra sessions for theory/practical).
- Results of summative methods are used by the course teacher to improve the performance in the same course for the next batch of students.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

- Yes, the institute has research centers of other agency the detail are as follows.
- Aakash R& D Center (IIT Mumbai).
- NMEICT Remote Center (IIT Mumbai).
- Design & Innovation Center-Spoke Center (DIC), First in Nashik District (in association with Savitribai Phule Pune University and MHRD New Delhi).



Fig. no 3.1.1 Inauguration function of Design & Innovation Center-Spoke Center by Hon.Vice Chancellor and Director SPPU, Pune and Sarchitnis NDMVP samaj.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

- Yes, the institution has a research committee to monitor and address the issues of research. The composition of the committee is as follows

Table 3.1.2. Details of Research Committee

Principal: Chairperson	Dr. K. S. Holkar
Dean Research and Development: Secretary	Dr. S.B. Sonawane
Heads of Concern Department: Member	Dr. B. B. Musmade Dr. S. P. Mogal Dr. M. P. Kadam Dr. V. S. Pawar

	Dr. D. T. Khairnar Mr. V. M. Birari Mr. H. V. Patil Mrs. N. R. Kakad
One UG Faculty: Member	Mr. V. C. Shewale
One PG Faculty: Member	Mr. D.V. Kushare
Industry Person and Scientist: Member	Dr. O. G. Kulkarni

Objective of Research Committee:

- To create a conducive environment for promotion of Research, Innovation and Consultancy activities in the institute.
- To ensure smooth functioning and effective Management of Research, Innovation and Consultancy activities at the institute.
- To facilitate the process of proposal submissions for availing the funding from different funding agencies.
- To promote research in various departments of the institute.
- To strengthen industry – institute interaction by promoting consultancy, testing and need based research & innovation activities in the institute.

The Few recommendations of the Committee are as under:

- To encourage faculty members to apply for Major, Minor Research Projects, Incubation, Design and innovation Centres.
- To provide laboratories with equipments/instruments to carry out research.
- To get special assistance schemes for up-gradation of Research infrastructure.
- To motivate and facilitate teachers to attend subject based conferences/ seminars.
- Provision for recurring and contingency expenses.
- To conduct presentations on research proposal preparation, presentation, various schemes and collaborations.
- Encouragement & support for the establishment of collaborations & linkages with industries and research institutes.
- To publish institute research journal.

The major impacts of these measures are as under:

- Faculty Members of various departments have got research grant from BCUD, Pune, SERB-DST, Govt. of India.
- Institute has submitted two proposals to NITI Aayog, Govt. of India for getting Atal Incubation Center on “Nano materials” & “Sensor technology”. Combined cost of these proposals is 19.74 Crores.
- Increased in number of research publications, participation in seminars and presentation of articles, membership of professional bodies, by the faculty members and students.
- Several faculty members have registered for Ph.D. programmes.
- Students have actively participated in various competitions like technical paper presentation, Avishkar project competition, Robowar, Lathwar, Supra-SAE (National level competition), etc.

- Many students have worked on application oriented projects sponsored by industries.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

- **Autonomy to the principal investigator**
 - **Timely availability or release of resources**
 - **Adequate infrastructure and human resources**
 - **Time-off, reduced teaching load, special leave etc. to teachers**
 - **Support in terms of technology and information needs**
 - **Facilitate timely auditing and submission of utilization certificate to the funding authorities**
 - **any other**
- The principal investigator has complete autonomy to select the area, topic and research problem.
 - Principal investigator decides specifications, vendors etc. for purchase of materials.
 - Principal investigator decides collaborators, conferences, IPR filing and publications.
 - Funds received for project and research work are made available to the principal investigator as per demand.
 - Institute has well settled laboratories and facilities for carrying out research projects.
 - Funds are made available to principal investigator under AICTE/SPPU-BCUD/ SERB-DST/Aakash Center/ Remote Center, Research grants.
 - Institute considers the leave of employee for the research work and also adjusts their work load at department level.
 - The institutional central library and laboratory are available for faculty and students for research work even after college working hours.
 - Duty leave is sanctioned to teachers to undertake field work, presentation, attending national international seminars and conferences.
 - Institute provides adequate internet facility, Wi-Fi facility and library resources such as e-journal, e-book, reference books etc.
 - As per the requirement of principal investigator available infrastructure of the institute is provided.
 - JRF/SRF fellow is appointed as per the norms in consultation with principal investigator and head of the institute.
 - Institutes accounts section extends all cooperation to principal investigator for timely auditing of research projects and submission of utilization certificate to funding authority.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

- Institutes arrange guest lectures, seminars and industrial visits by inviting eminent scientist and industry persons.
- Faculty members encourage the students to participate in state/ National/

International conference, competitions like AVISHKAR (SPPU-Pune sponsored zonal and state level project competition) to develop scientific temper among students.

- Intercollegiate, Institute level technical event, motivate them to present their work/idea/novelty.
- Principal investigator of funded major, minor projects involves UG and PG students in their research projects.
- All the department of the institute has established student academic associations which conduct the various activity viz. seminars, project competition in order to develop the scientific culture and up gradation of knowledge among the students.
- Institute organizes annual National level technical event for the students which includes technical paper presentation, project exhibition, coding competition, quizzes, technical games, robotics competition, circuit building, circuit mania, lathewar, paperanzaa, cannon ball, logic cube etc. to develop scientific temper and research culture among students.
- Details of technical events organized by institute are as follows.

Table 3.1.4. Detail of Annual Technical Events Organized by Institute

Name of department	Name of Technical events	Year	No. Participants
Instrumentation and Control Engineering	Instrubotics	2015-16	64
		2014-15	73
		2013-14	600
Civil Engineering	Sthapatya-2k16	2016-17	99
	Nirman-2k15	2015-16	190
	Techunique-2014	2014-15	195
	Techunique-2013	2013-14	183
Computer Engineering and Information Technology Engineering	C-war and kshitij	2015-16	193
		2014-15	64
		2013-14	16
Electronics and Telecommunication Engineering	Elicit-16	2015-16	380
	Elicit-15	2014-15	396
	Elicit-14	2013-14	330
Mechanical Engineering	SAE	2016-17	25
		2015-16	23
		2014-15	25
	Mechanzaa	2015-16	322
		2014-15	359

		2013-14	239
Master of Business Administration	Arth - sangram: the war of numbers	2016-17	13
	Idea spark - 2016	2014-15	23



Figure 3.1.4. (A) Event Photographs



Shri Atul Khanapurkar, Sr. Gen. Manager, Bosch Ltd. Nashik delivering inaugural speech in the presence of Shri. Rishikesh Pawar (Manager, Bosch Ltd. Nashik), Shri. Bhausaheb Khatale (Director, MVPS's), Faculty members of Mech. Dept. and students (Inaugural session 16/3/2016, 10.00-10.30 am)



Roborace Event



Lathe War Event



Canon Ball Event

Figure 3.1.4. (B) Event Photographs



Technical Event Kshitij 2k16 Speaker: Rajeev Papatija - EVP & COO, ESDS, Nashik



Technical Event Kshitij Speaker: Sunil Khandbahale, Founder & CEO, KHANDBAHALE.COM



Department of Civil Engineering Technical Events

Figure 3.1.4. (C) Event Photographs



Robo Soccer



Robo Race



INSTRUBOTICS

Figure 3.1.4. (D) Event Photographs

3.1.5 Give details of the faculty involvement in active research, guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc. Faculty guides the UG and PG students for the project work.

- Faculty gets the research project funding from SPPU, DST and AICTE. Student actively works on these projects in order to bridge gap between theory and practical.
- Faculty and student are associated with industry sponsored project.
- Faculties are guiding PG projects.

Table 3.1.5. (A). List of Faculty working on funded research project

Name of Faculty	Role of Faculty	Funding Agency
Dr. N. S. Patil	Assistant Coordinator	DIC, SPPU, Pune
Dr. S.B. Sonawane	PI Major Research Project	SERB, DST, Govt. of India
Mr. V. C. Shewale	PI Minor Research Project	BCUD, SPPU, Pune
Mrs. S.H.Jadhav	PI Minor Research Project	BCUD, SPPU, Pune
Mr. R.N.Mahale	PI Minor Research Project	BCUD, SPPU, Pune
Dr. S.R.Pachorkar	PI Minor Research Project	BCUD, SPPU, Pune
Dr. S. J. Kokate	PI Minor Research Project	BCUD, SPPU, Pune
Mr. S. Y. Pawar	PI Minor Research Project	BCUD, SPPU, Pune

Table 3.1.5.(B). Detail of Faculty Guiding the PG Projects

Name of Department	Name of the Faculty	No of PG. Scholars	
		Completed	Ongoing
Mechanical Engineering	Dr.S.P.Mogal	5	5
	Mr.A.B.Kakade	7	7
	Mr.Y.B.Choudhary	5	5
	Mr.N.K.Kharate	8	5
	Mr.S.Y.Pawar	-	4
	Mr.M.S.Patil	-	2
	Mr.D.V.Kushare	3	7
	Mr.S.N.Palhe	-	1
	Dr.J.T.Pattiwari	2	-
Civil Engineering	Dr. P. G. Gaikwad	10	03
	Dr. A. B. Saner	06	06
	Mr. R. V. Devalkar	15	19
	Mrs. M. C. Aher	02	16
	Mr. A. S. Patil	-	02
	Mr. P. D. Aher	-	02

Table 3.1.5.(C) Detail of Faculty Guiding the Ph.D scholars.

Name of the Department	Name of the Guide	No. of Ph.D Scholars	
		Completed	Ongoing
Master in Business Administration	Dr.D.T.Khairnar (Guide at JJTU University)	01	-
Instrumentation & Control Engineering	Dr. B.B. Musmade (Co-Guide at COEP)	-	01

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Table 3.1.6.(A). List of workshop/Seminars/Training program conducted/organized by the institution is given below.

List of Workshop/Seminars/ FDPs/ Training programs Organized by Departments (Academic Year 2013-2014,2014-2015,2015-2016 and 2016-2017)					
Sr. No	Name of Department	Type of Program organized	Date		Total Days
			From	To	
I	Workshop				
1	Mechanical Engineering	Tribological Aspects in Design	03/10/2013	04/10/2013	02
2		Two week ISTE workshop on Engineering Mechanics organized by IIT Mumbai	26/11/2013	06/12/2013	12
3		Two week ISTE workshop on Fluid Mechanics organized by IIT Kharagpur	10/06/2014	20/06/2014	10
4		State level workshop on emerging trend in Heat Transfer Engineering	04/02/2016	05/02/2016	02
5	Civil Engineering	Engg –Mechanics, ISTE	26/11/2013	06/12/2013	11
6		Structural Analysis, ISTE	04/01/2016	09/01/2016	06
7	Instrumentation & Control Engineering	Advanced Topics in Control Systems	27/01/2016	28/01/2016	02
8		Industrial Automation using PLC & SCADA	02/09/2015	05/09/2015	04
9		Control Systems	02/12/2014	12/12/2014	11
10		DCS & PLC overview	21/7/2014	25/07/2014	05
11	Master of Business Administration	One Day Workshop on Making Rakhi for Ashram School students at NDMVP KBT COE NASHIK	10/8/2016	10/8/2016	01
12		Soft Skill Development By Gordon Sir	22/8/2016	22/8/2016	01
13		Soft Skill Development By Gordon Sir	05/03/2015	05/03/2015	01
14		Soft Skill Development	01/09/2014	01/09/2014	01

		By Mrs Neeta Nigam			
15	Master of Computer Applications	Hibernate& Spring MVC (A_JAVA)	08/10/2016	08/10/2016	01
II	FDP				
1	Mechanical Engineering	Faculty Development program on Entrepreneurship Development	18/12/2014	30/12/2014	12
2		Faculty Development program on Entrepreneurship Development	11/03/2016	22/03/2016	12
3	Master of Business Administration	Faculty Development Program in Enterpreurship-2016	11/03/2016	22/03/2016	12
III	Training Programs				
1	Mechanical Engineering	STTP on use of ICT in education for online and blended learning organized by IIT Mumbai	02/06/2016	10/06/2016	08
2	Civil Engineering	STTP on Introduction to Structural Engineering	4/01/ 2016	9/01/ 2016	07
3	Instrumentation and Control Engineering	DeltaV DCS	15/06/2015	19/06/2015	05
4		PLC Training	19/09/2016 20/09/2016	25/09/2016 26/09/2016	04
5		Personality Development By- AryaHycinth -Pune	27/09/2016	27/09/2016	01
6		Personality Development By- AryaHycinth -Pune	8/10/2015	8/10/2015	01
7		Personality Development By- AryaHycinth -At Pachgani	25/02/2015	27/02/2015	03
IV	Seminar				
1	Instrumentation & Control Engineering	Embedded Systems & Applications	17/9/2016	17/09/2016	01
2		Comparisons of Power Plants	02/3/2016	02/03/2016	01
3		Instrumentation in Thermal Power Plants	11/2/2016	11/02/2016	01
4		HPC Research & Career	05/2/2016	05/02/2016	01

5		New Technological Developments & Career Opportunities in Japan	5/01/2016	05/01/2016	01
6		Power Plants	29/9/2015	29/09/2015	01
7		Instrumentation in Thermal Power Plants	21/1/2015	21/01/2015	01
8		Automation A Booming Field	7/3/2014	07/03/2014	01
9		Scope of Engineer in Astronomy	31/12/2013	31/12/2013	01
10		Scope of DeltaV in Industrial Automation	17/7/2013	17/07/2013	01
V	NMEICT				
1	Civil	Half Day ISTE Workshop on Green Building Awareness	24/8/2014	24/08/2014	01
2	Computer	Cyber Security	10/07/2014	20/07/2014	10
3	IT	Computer Networking	30/06/2014	05/07/2014	07
4	Computer	Computer programming	16/06/2014	21/06/2014	05
5	Mechanical	Fluid Mechanics	20/05/2014	30/05/2014	10
6	E & TC.	Signals & Systems	02/01/2014	12/01/2014	10
7	IT	Introduction to Design of Algorithms	25/05/2014	30/05/2014	05



Figure 3.6.1.(A) Workshop Photographs



IET sponsored Two days Workshop: "Advanced Topics in Control Systems " By- Dr. Mnkesh D Patil, Dr. Vishwesh Vyawahare, Dr.K.S.Holkar Between 27-28 Jan 2016.



Training Programs
One week training on "DeltaV DCS" by Saurabh Karandikar, Akshay Dusane and Digvijay Kanoje. From 15-6-2015 to 19-6-2015.

Seminar on "Power Plants"
By Mr. Pralhad Dhmal, General Manager, Fox Solutions Nashik. On 29-9-2015



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One week training on "DeltaV DCS" by Saurabh Karandikar, Akshay Dusane and Digvijay Kanoje. From 15-6-2015 to 19-6-2015.

Seminar on "Power Plants"
By Mr. Pralhad Dhmal, General Manager, Fox Solutions Nashik. On 29-9-2015

Figure 3.6.1.(B) Workshop Photographs

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

- The following are the prioritized research areas.

Table 3.1.7. Prioritized Research areas.

Sr. No	Name of Department	Name of Expertise	Prioritized Research areas
1.	Instrumentation and control Engineering	Dr. K. S. Holkar	Model Predictive Control
		Dr. B. B. Musmade	Sliding Mode Control
		Dr. N. S. Patil	Stochastic Control System
		Dr. A. R. Kulkarni	Control System
		Mrs. S.H. Jadhav	Hybrid Based PID Contoler
		Mr. Y. P. Patil	Discrete Time Sliding Mode Control
		Mrs. A. K. Patil	Fault Tolerant control
2.	Civil Engineering	Dr. M. P. Kadam	Concrete Technology & Structural Engineering
		Dr. K. T. Patil	Geology, Geo-hydrology Hydrology
		Mr. M. P. Chaugale	Geotechnical & Geo-environmental Engineering
		Mr. A. P. Shelorkar	Concrete Technology & Structural Engineering
3.	Mechanical Engineering	Dr. S.P. Mogal	Vibration and Wear Analysis
		Dr. S.B. Sonawane	Heat Transfer in Nanofluids
		Mr. A.B. Kakade	Tribology
		Mr. A.A. Kapse	I.C. Engines and Heat Transfer
		Mr. V.C. Shewale	Heat Transfer
		Mr. N.K. Kharate	CAD/CAM
4.	Information Technology	Mr. H. V. Patil	Image processing
		Mr. S. P. Jadhav	Cloud Computing and Data Mining
		Mrs. J. R. Surywanshi	Embedded System and Network on Chip
		Mrs. R. R. Tajanpure	Optical Network and Machine Learning
5.	Computer Engineering	Dr. V. S. Pawar	Image Processing, Pattern Recognition and Graph Theory
		Mr. B. S. Tarle	information Security and Data Mining
		Mr. S. A. Talekar	Mobile AdHoc Network and Wireless Network
		Mrs. V. S. Tidake	information Security and Data Mining
6.	Electronics and Telecommunication	Mr. V. M. Birari	Wireless communication
		Mr. A. P. Meshram	Speech processing
		Mr. B. J. Pawar	Power electronics
		Mr. B. N. Rajole	Image Processing and Neural Network
7.	Master of Business Administration	Dr.D.T.Khairnar	Organizational Management
		Dr.S.R. Pachorkar	Marketing Management
8.	Master of Computer Applications	Ms. M.V. Malode.	Data Mining
		Ms. D.L.Tidke	Data Mining

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

- Encouraging faculties to talks and interaction with eminent personalities from industries, research and development organization, from many reputed national and international institute.
- Institute has Remote Center of IIT Bombay which gives opportunity to faculty and student to interact with researchers through video conferencing.
- Few of the eminent persons have visited the campus and interacted with faculties and students. The details are as follows.

Table 3.1.8. List of Visiting eminent scientists/ Industrial Person

Name of Department	Name of Visitor	Academicians /Scientists / Visitors
Mechanical Engineering	Dr. Vinod Parekh	Education Advisor.
	Dr. K. N. Iyer (IITBombay)	Academicians
	Dr. R. P. Vedula (IITBombay)	Academicians
	Dr. Shreedhara Sheshadri (IITBombay)	Academicians
	Dr. R. S. Jha (IIT Bombay)	Academicians
	Dr. Absar Lakdawala (Nirma University, Ahmedabad)	Academicians
	Dr. Parag Sonawane (IITBombay)	Academicians
	Dr. Pankaj Jagad (Nirma University, Ahmedabad)	Academicians
	Dr. Atul Shrivastava (IIT Bombay)	Academicians
	Dr. D. V. Bhat (SVNIT Surat)	Academicians
	Mr. N. L. Soni, (Senior Scientist, BAARC Mumbai)	Scientists
	Dr. V. M. Palhe (VJTI, Mumbai)	Academicians
MBA	Dr. OmprakashKulkarni	Advisor, Mentor, Consulting Engineer & Young Scientist
	Arya Hycinth	Corporate Trainer
	Gordon Noronha	Corporate Trainer
	Hanmantrao Rao (TCS)	CEO, TCS
	Daniel Goodman & Mohammad	Scientists (MIT Media Lab, USA)
	CA Tushar Jagtap	Practicing CA
	Mansukhbhai Prajapati	Awarded Most Powerful Rural Entrepreneur
	Yashovardhan Baramatkar	CEO, KVIC, Mumbai
	S.R.Patil	Director (R-SETI, Bank of Maharashtra)

MBA	Manas Gajare	Entrepreneur
	CA-Sanjivan Tambulvadikar	Practicing CA
	Amit Pandey	Entrepreneur
	Kalyani khodake	Entrepreneur
	Shaunak chafekar	Entrepreneur
	Bhagyashri dashpute	Entrepreneur
	Aishwarya Bodke	Entrepreneur
	Bhaves Bhatia	Entrepreneur
	Uddhav Aher	Entrepreneur
	Pramod Gaikwad	Entrepreneur
	CA Vishal Poddar	Practicing CA
	Kiran Bhide	Entrepreneur
	Aditya Oak	Music Director
	Amol Kadam	Entrepreneur
Computer Engineering	Dr. D.B. Pathak	Scientists
	Dr. Rajeev Papaneja	Scientists
	Mr. Sunil Khandbahale	Scientists
	Mr. Vikash Naik	Scientists
	Mr. Suchit Tiwari	Scientists
	Dr. Manesh Kokare	Academicians
	Dr. S. S.Sane	Academicians
	Dr. V.H.Patil	Academicians
	Dr. M.U.Kharat	Academicians
	Dr. D.V.Patil	Academicians
	Dr. M.R. Sanghvi	Academicians
MCA	Swapnil P.Kulkarni	Project Manager, KanakaSoftwares,Pune.
Civil Engineering	Dr. N.V. Ramamurthi	Academicians NIT Warangal
	Dr Deepak Khare	IIT. Roorkee
	Dr. H.S. Patil	SVNIT Surat
	Dr. V.L. Manekar	SVNIT Surat
	Dr. Y.D. Patil	SVNIT Surat
	Er. Thomos Scoanrich	MD G. S. Wasr, Germany
Instrumentation and Control Engineering	Mr. Henry Hans	Industrialist-Emerson Global Head
	Mr. Rajesh Bhawe	Industrialist-Emerson Pune-Vice President
	Mr. Shirish Chapekar	Industrialist-Emerson,

		Nashik-Director
	Dr. Pankaj Koinkar	Faculty of Tukushima University Japan
	Mr. Sunil Jadhav	Instru. Manager, Emerson Dubai.
	Mr. Sameer Patil	Director-Sigma Controls Automation Pune
	Dr. P. S. V. Natraj	Professor, IIT Mumbai
	Mr. A. K. Das	Director, Louis Berger Group



Hon. Vice Chancellor SPPU, Pune,
Sirchitnis NDMVP samaj,

Er. Thomas Schonrich, MD, BGS
Wasser Germany intracting with
faculty.

Fig 3.1.8 Eminent Persons visit to Institute

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

- Yes, institute has the provision of sabbatical leave.
- Institute grants leave for participating/ attending STTP/ workshop/ conferences/ seminars.
- Institute has a policy for leave allotment of research work.
- The faculty members who are pursuing Ph.D. research works are granted leave to carry out their research works, course works and to meet the respective guides.

Table 3.1.9. List of Faculty granted leave for research work

Name of Department	Year	Name of Faculty Granted Leave for Ph.D	Name of research institute
Civil Engineering	2015-2016	Mr. S. M. Waysal	SVNIT, Surat
	2016-2017	Mrs. M. C. Aher	SVNIT, Surat
	2016-2017	Mr. R. V. Devalkar	SVNIT, Surat

Instrumentation & Control engineering	2012 to 2016	Mr. A. R. Kulkarni	MNNIT, Allahabad
	2015-2016	Mr. Y. P. Patil	SVNIT, Surat
Mechanical Engineering	2011-2012	Mr. S.P. Mogal	SVNIT Surat
	2011-2012	Mr. A.B. Kakade	SVNIT Surat

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

- Research findings of faculty members are usually shared with students and the community.
- Completed projects of faculty are put up in laboratories so that student can update themselves by the research findings.
- Institute organizes every year a technical event and invites the other college student and community.
- At department level conduct the national level conference.
- Following work has done by college.

Table 3.1.10. Initiatives taken by department and their implementation.

Name of Departments	Name of Labs	Name of Research work	Application / Implementation
Civil Engineering	Environment & WRE	Water Audit	Nashik Municipal corporation, Nashik
	Survey	Survey of Campus	College Campus
	Geology	Ground Water Prospecting and Rain Water Harvesting	College Campus

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

- Nearly 10% of total budget is allocated for research and development with respect to total budget. Major heads of the expenditure is as follows.

Table 3.2.1. Research Budget on Major heads.

Year	Library Resource in lakhs	Software in lakhs	SAP in lakhs	Travel Expense for Research activity in lakhs	New Equipment in lakhs	Salary of staff on Ph.D Leave in lakhs
2013-14	15.01	6.17	-	0.88	70.32	3.08
2014-15	4.01	8.58	-	0.75	40.34	4.03
2015-16	4.22	6.79	160.30	1.05	72.34	7.17
2016-17	0.28	1.40	-	0.58	5.59	3.66-

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

- Instead of providing seed money institute offers travel expenses of faculty attending National/ International conferences seminar workshop.
- Attending the state conference/National conference /International conference the encouragement amount will be given rupees one thousand for state level conference.
- Encouragement amount rupees two thousand for international conference in within the state and rupees four thousand outside the state.
- Encouragement amount rupees ten thousand international conferences outside of India and rupees one thousand for best paper award at international conference.
- Non sponsoring workshop/STTP/Training programs registration amount is paid.

3.2.3 What are the financial provisions made available to support student research projects by students?

- The institute intra-department students participated in SAE SUPRA activity every year.
- It is a formula one racing competition in which students are given certain specifications according to which they design, manufacture the formula one car.
- Institute has financial support in academic year 2014-15 (Rs. 3, 75,000/-) and 2015-16 (Rs. 1, 00,000/-) for Development of innovative vehicle for SAE SUPRA Competition in Mechanical Department.
- Institute support, student research project by providing fund to the department for purchasing hardware equipment's and software for student projects.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

- The research committee identifies the interdisciplinary areas of research by considering facilities and expertise available.
- Institute Faculty and HODs along with student interacts and finds the interdisciplinary areas.
- The institute has recently submitted two proposals to NITI Aayog, Govt. of India for getting Atal Incubation Center on "Nanomaterials" & "Sensor technology" which is inter disciplinary.
- The SAE committee members of Mechanical department involve interdisciplinary student participation.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- Optimal use of various equipment and research facilities are ensured by keeping equipment history register, lab utilization register, sharing of major equipment among the various department records are maintain at department

level.

- The research committee monitors the research activities and keeps track of the usage of various resources and facilities.
- Laboratories are also used to conduct IIT spoken tutorial test, NPTEL courses and for various FDPs and STTPs.
- Institute central library is open for the students and faculties from 8:30 am to 12:00 pm.
- Reading room facility provided to students and researchers its capacity around 200 seats.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If ‘yes’ give details.

- Yes department of MBA received Rs. 90,000 grants under QIP-SPPU-Pune for purchasing the equipment.
- Department of E& TC received equipment grant Rs 60,000 in academic year 2013-14 and Rs 1, 00,000 in academic year 2014-15 under QIP-SPPU-Pune for purchasing the equipment.
- Institute Aakash R&D center received 224 tablet are used for clicker application purpose, quiz of every workshop and Module assignment upload on IIT Bombay server.
- Aakash R&D center and remote center received funds for development of research facility, purchasing the equipment and conduction of workshop.
- Institute received funds from BCUD-SPPU/DST under minor research grants.

Table 3.2.6. (A) Grants received minor and major research project BCUD/DST during last four years.

Nature of the Project	Duration Year	Name of the funding agency	Total Grant in Rs. Lakhs	
			Sanctioned	Received
Minor Projects	2011-13	BCUD SPPU	0.5	0.50
	2012-14	BCUD SPPU	4.1	3.35
	2014-16	BCUD SPPU	4.8	4.49
	2016-18	BCUD SPPU	8.4	4.2
Major projects	2016-19	SERB, DST, Govt. India	19.028	6.34

Table 3.2.6 (B). Detail of Grants Recived to Aakash R&D and Remote center

Sr. No	Center	Grant Received	Year
1.	Aakash Center	Rs.1,00000 (13/11/2014) For Aakash server equipment Purchase	2014-15
2.	Remote	Rs.1,17,083/- (Workshop and seminar)	2013-14

	Center	Rs.5,79,888/- (Workshop and seminar)	2014-15
		Rs.2,80,000 (15/9/2015) for Remote center equipment purchase Rs.1,77,843/- Workshop	2015-16

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

Table 3.2.7. Grants received for research project.

Nature of the Project	Duration Year From To	Name of PI	Name of the funding agency	Total Grant in Lakhs		Total grant received till date
				Sanctioned	Received	
Minor Projects	2011-13	Dr. B.B. Musmade	BCUD, SPPU, Pune	0.5	0.5	0.5
	2012-14	Dr.P.G. Gaikwad	BCUD,S PPU, Pune	2.6	2.6	2.6
	2012-14	Mr.Y.B. Chaudhary	BCUD, SPPU, Pune	1.5	0.75	0.75
	2014-16	Mr.S.Y. Pawar	BCUD, SPPU, Pune	2.0	1.69	1.69
	2014-16	Dr. A. B Saner	BCUD, SPPU, Pune	2.8	2.8	2.8
	2016-18	Mr. V. C. Shewale	BCUD, SPPU, Pune	2.1	1.05	1.05
	2016-18	Mrs.S.H. Jadhav	BCUD, SPPU, Pune	1.4	0.7	0.7
	2016-18	Mrs.R.N. Mahale	BCUD, SPPU, Pune	2.0	1.0	1.0
	2016-18	Dr.S.R. Pachorkar	BCUD, SPPU,	1.0	0.5	0.5

			Pune			
	2016-18	Dr.S.J. Kokate	BCUD, SPPU, Pune	1.9	0.95	0.95
Major projects	2016-19	Dr.S.B. Sonawane	SERB, DST, Govt. of India	19.028	6.34	6.34
Interdisciplinary projects	2016-19	Dr. N. S. Patil (Asst. Coordinator -DIC)	SPPU, Pune & MHRD New Delhi	150	---	---
Industry sponsored	2016-17	Mr. Y. P. Patil	Sponsored by Excel Industries Ltd., Navi Mumbai	0.35	---	---
Students' research projects	2014-15	Prasad Chavan (Mechanical Student)	NDMVP S's KBT College Engineering, Nashik	3.75	3.75	3.75
	2015-16	Sachin Kulkarni	NDMVP S's KBT College Engineering, Nashik	1.0	1.0	1.0

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- Facilities provided to the students through Library are Associated Membership of DELNET, Delhi.
- 155 Mbps Dedicated Internet Lease Line.
- 800 Computers in LAN.
- Wi-Fi Campus.
- Central library with OPAC search facility & departmental library.
- e-Library Books, e-Learning.

- Dedicated reference section with reading room in library.
- Institute has Remote Center and Aakash R & D center affiliated to IIT Mumbai.
- Institute provides Aakash Tablets to students and faculties under the research promotion scheme in association with IIT Mumbai.
- Apart from computer systems, sophisticated instruments, modeling tools, data processing software and modern equipment's are provided to create infrastructural facilities to meet the needs of new and emerging areas of research.
- Research Committee identifies the requirement of equipment, literature etc. required for research and ensures its availability.
- Established first Design Innovation Center – Spoke Center in Nashik District (Jointly supported by S P Pune University and MHRD New Delhi)
- Skill Development Center Pradhan Mantri Kaushal Vikas Yojana (PMKVY).
- Well-Equipped Laboratories with latest software, modern tools and equipments.
- Establishment of MVP SAP center.



Figure 3.3.1.(A) Library Photographs



Figure 3.3.1.(B) Library Photographs

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- Institutes have research committee in order to inculcate and promote research culture.
- Encouraging faculty members to organize research workshop, seminars, and conferences with funding internally and from AICTE/DST/BCUD-SPPU etc.
- Institute also uses the research funding by different agencies for development of research facilities.
- To undertake collaborative projects which offer opportunities for long-term interaction with society, academia and industry.
- To develop technically-sound engineers by engaging the students in progressive technical education and to promote students for academic growth by offering state-of-the-art undergraduate, postgraduate programmes.
- Continual improvements in the infrastructural facilities.
- Institute has started MVP SAP center under this various courses are started viz. HCM (Human Capital management), SD (sales and Distribution), ABAP (Advanced Business Application Programing, FI (Financial Accounting) and MM (material Mangment)
- Institute has established the design and innovation center-spoke center in collaboration with SPPU-Pune and MHRD New Delhi under this three module courses are started viz. Design and Development of Signal Conditioning & Sensor Technologies, Advanced Techniques for Environment Watershed Management, Post graduate Diploma in Computer-Aided Product Designs.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If ‘yes’, what are the instruments / facilities created during the last four years.

- Yes, institute received grants from different funding agencies to procure equipments/machinery.
- Principal Investigator can procure books from BCUD grants and are available in the library reference section.
- Principal Investigator can procure Instruments from research grants and are available in the department.

Table 3.3.3. (A) List of Faculty Purchase Equipment/ Machinery on funded projects.

Sr. No	Name of Department	Name of PI	Name of Funding Agency	Name of Equipment/ Machinery Purchase
1	Civil Engineering	Dr.P.G. Gaikwad	BCUD, SPPU, Pune	Blain air Permeability
2		Dr. A. B Saner	BCUD, SPPU, Pune	Agitator Machine Mechanical Stirrer
3	Mechanical Engineering	Mr.S.Y.Pawar	BCUD, SPPU, Pune	Ball mill, O.H.N.S. Die set
4		Mr.Y.B. Chaudhary	BCUD, SPPU, Pune	DC Motor, Transistor, Pneumatic cylinder, PCB
5	Instrumentation and Control Engineering	Dr. B.B. Musmade	BCUD, SPPU, Pune	USB Based data acquisition system from Data Translation USA, Model No.-DT9812-10V With Measure foundry & Go software

Table 3.3.3(B). Grants received minor and major research project BCUD/DST during last four years. `

Nature of the Project	Duration Year	Name of the funding agency	Total Grant in Lakhs	
			Sanctioned	Received
Minor Projects	2011-13	BCUD SPPU	0.5	0.50
	2012-14	BCUD SPPU	4.1	3.35
	2014-16	BCUD SPPU	4.8	4.49
	2016-18	BCUD SPPU	8.4	4.2
Major projects	2016-19	SERB, DST, Govt. India	19.028	6.34

Table 3.3.3 (C). Detail of Grants Recived to Aakash R&D and Remote center

Sr. No	Center	Grant Received	Year
1.	Aakash Center	Rs.1,00000 (13/11/2014) For Aakash server equipment Purchase	2014-15
2.	Remote	Rs.1,17,083/- (Workshop and seminar)	2013-14

	Center	Rs.5,79,888/- (Workshop and seminar)	2014-15
		Rs.2,80,000 (15/9/2015) for Remote center equipment purchase	2015-16
		Rs.1,77,843/- workshop	

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

- Yes, institute have facility outside campus are listed below table

Table 3.3.4. Facilities to students and research scholars outside campus.

Sr. No	Name of Department	Name of Research Facility	Location and Detail	Purpose
1	Mechanical Engineering	Bhayashri Pvt.Ltd	G-9, Ambad, MIDC, Nashik	Training and project work
		Deol Industries	Ambad, MIDC, Nashik	Training and project work
		Aakash Industries	Ambad, MIDC, Nashik	Training and project work
2	Instrumentation and Control Engineering	Mungi Engineers Pvt. Ltd.	Ambad, MIDC, Nashik	Under Graduate Project Work
		Excel Industries Pvt. Ltd., Mumbai	Jogeshwari West, Mumbai	Collaborative Research
		Nexus Control	MIDC, Nashik	Under Graduate Project Work
3	Information Technology	Winjit Technology, Nashik	MIDC, Nashik	Under Graduate Project Work
		Glostream Technology, Nashik	MIDC, Nashik	Under Graduate Project Work
		Neumann Systems Consultancy Pvt. Ltd, Nashik	MIDC, Nashik	Under Graduate Project Work
4	Master of Computer Applications	Cyberedge Web Solutions Pvt. Ltd. Nashik	Nashik	Training & Project Work
		Emerging Technologies Nashik	Nashik	Training & Project work
		UMS Tech Labs Nashik	Nashik	Training & Project work
		Internauts ,A Web Design	Nashik	Training & Project work

		Agency,Nashik		
5	Computer Engineering	Zensar Technologies, Pune.	Pune	To train the students in employability skills, JAVA and Advanced JAVA course

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

- Institute has Central as well as departmental libraries.
- Separate reading room facility with 200 seating capacity.
- Campus is Wi-Fi and the entire department has LAN connectivity.
- Library has National / International research journals, digital library facility available researchers.

Table 3.3.5.Detail of Library Resource

Sr. No	Library Details	Number of resources
1	Number of Volumes	35210
3	Number of National Journals	49 (2015-16)
4	Number of National Magazine	24 (2015-16)
5	Total Number of bound volume of the journals	577
6	Number of e-Journal as IEEE-ASPP, Springer, ASME, ASCE, Elsevier J-Gate.	06
7	Number of Articles/E-books	20000 (E-Books)

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

- Institute has established Remote center on 10th October 2012 list of program conducted under remote center in association with IIT Mumbai the grant received from National Mission on Education through ICT (MHRD Govt. of India).
- Institute has established Aakash center on 10th October 2012. Total 214 Aakash tablet received to Institute remote center along with two solar chargers.
- Institute established Design Innovation Center- Spoke Center with three modules are established such as Post Graduate Diploma in Product Development, Design and implementation of signal and sensor technologies and Advanced and innovative techniques of environment and watershed management in collaboration with SPPU and MHRD.
- Institute has Skill Development Center Pradhan Mantri Kaushal Vikas Yojana, Govt.of India in collaboration three courses are started such as Construction-Assistant Electrician, Electronics & Hardware Test & Repair Technician and Iron & steel fitter and maintenance water cooler and Plumbing (Plumber after sales service).

- Institute has signed 36 MoU's with different industries for the purpose of industrial training, project work, industrial visit, guest lectures etc.
- The List of MoU's
 1. Syestems, Applications & Products in Data Processing (SAP), Banglore.
 2. Zensar Technologies, Pune.
 3. Fox Solutions Nashik
 4. Microtech System Services, Nashik
 5. Boost Electronics, Ambad, Nashik
 6. Visionary Technologies, Nashik
 7. Teknocrat's academy of Automation & Control Technologies Nashik
 8. Copper Track Industries, Nashik
 9. Shriharsh Electronics, Nashik
 10. Cyberedge Web Solutions Pvt. Ltd. Nashik
 11. Emerging Technologies, Nashik
 12. UMS Tech Labs, Nashik
 13. Internauts, A Web Design Agency, Nashik
 14. Zabuza Labs, Nashik
 15. Sampoorna Bamboo Kendra, Amravati.
 16. Sunrise Candles, Satara.
 17. Sahyadri Agro Farms, Nashik
 18. Startup Farms, Nashik
 19. Swati Investment, Nashik
 20. Astiwz Infotech, Nashik.
 21. Avasthi's IT Training and Solution(AITS), Nashik.
 22. Advent Engineer's, Nashik
 23. Spectra Innovation, Nashik
 24. Quantaflux Technology Solution Pvt. Ltd, Pune
 25. Yashika Energy Systems Pvt. Ltd, Nashik
 26. Celestial Plastic Hub, MIDC Ambad, Nashik
 27. Digilog Systems, Nashik
 28. Anubhooti Infrastructures Pvt. Ltd. Nashik
 29. Niwara Builders and Developers, Nashik
 30. Jalchintan Engineering Trust, Nashik
 31. Akash Industries, Nashik
 32. Deol Industries, Nashik
 33. Bhagyashree Engineering Pvt. Ltd, Nashik
 34. Winjit Technology, Nashik.
 35. Glostream Technology, Nashik.
 36. Neumann Systems Consultancy Pvt. Ltd, Nashik.



Fig 3.3.6 (A) Inauguration function of Pradhan Mantri Kaushal Vikas Yojana by Mr. Sudhir Mutulaik and Sirchitnis NDMVP samaj



Fig 3.3.6 (B) Signing of MoU with Fox Solution for Automation training center.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- Patents obtained and filed (process and product)
- Original research contributing to product improvement

- **Research studies or surveys benefiting the community or improving the services**
- **Research inputs contributing to new initiatives and social development**

Table 3.4.1. Staff and students patents obtained and filed (Process and Product)

Name of Department	Faculty Name	Title	Status Received / Applied
Mechanical Engineering	Dr.S.B. Sonawane	Nano Coolant for heavy Gearbox cooling	Applied
	Mr. A. A Kapse	Obtaining purified drinking water from boiler blow down in thermal & nuclear power plant	Applied
	Miss. Sayali Kerure	A system for Four wheeler Vehicle Tire maintenance	Received

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

- Institute is in the process of starting a journal.

3.4.3 Give details of publications by the faculty and students:

- **Publication per faculty**
- **Number of papers published by faculty and students in peer reviewed journals (national / international)**
- **Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**
- **Monographs**
- **Chapter in Books**
- **Books Edited**
- **Books with ISBN/ISSN numbers with details of publishers**
- **Citation Index**
- **SNIP**
- **SJR**
- **Impact factor**
- **h-index**

Table 3.4.3. Faculty Publication / Conference at National International level.

Sr. No.	Name of Faculty	International Journals	National Journals	International Conference	National Conference	Monograph	Chapter in Books	Books Edited	Impact Factor	h-index	Citation Index	Average SNIP	Average SJR
1	Dr.K.S. Holkar	5	-	2	-	-	-	-	-	2	86	-	-
2	Dr.N.S. Patil	4	-	6	-	-	1	-	2.327	2	11	1.411	1.454
3	Dr.B.B. Musmade	4	-	7	1	-	-	-	0.963	4	50	-	-
4	Mrs. S.H.Jadhav	3	-	1	-	-	-	-	-	-	-	-	-
5	Dr. A.R. Kulkarni	1	-	2	-	-	-	-	-	-	-	-	-
6	Mr. Y.P.Patil	-	-	3	-	-	-	-	-	-	-	-	-
7	Mrs. A.K. Patil	1	-	2	-	-	-	-	-	-	-	-	-
8	Mr. S.D. Nikam	-	-	2	-	-	-	-	-	-	-	-	-
9	Mr. D.B. Ghodke	-	-	1	-	-	-	-	-	-	-	-	-
10	Mr. S.B. Lukare	-	-	1	-	-	-	-	-	-	-	-	-
11	Mr. V.M. Birari	3	-	1	1	-	-	-	-	-	-	-	-
12	Mr. B.J.Pawar	-	-	2	-	-	-	-	-	-	-	-	-
13	Mrs. S.M. Jagtap	-	-	1	-	-	-	-	-	-	-	-	-

14	Mrs. D.V. Patil	1	-	-	-	-	-	-	-	-	-	-	-
15	Mr. V.R. Sonawane	2	-	-	-	-	-	-	-	-	-	-	-
16	Mrs. S.M. Dharrao	2	-	1	-	--	-	-	-	-	-	-	-
17	Dr. M. P. Kadam	6	-	3	-	-	-	-	1.277	-	-	-	-
18	Dr. A. B. Saner	2	-	1	-	-	-	-	1.2				
19	Mr. M.P. Chougale.	1	-	1	-	-	-	-	-	-	-	-	-
20	Mr. A. P. Shelorkar	5	-	-	-	-	-	-	-	1	1	-	-
21	Mrs. M.C. Aher	2	-	2	1	-	-	-	-	-	-	-	-
22	Mr. R.P. Kajale	-	-	2	-	-	-	-	-	-	-	-	-
23	Mr. R.V. Devalkar.	6	-	8	5	-	-	-	-	-	-	-	-
24	Mr. S.J. Kadhbhane	2	-	5	1	-	-	-	-	-	-	-	-
25	Mr. P.D. Aher	2	-	2	-	-	-	-	-	-	-	-	-
26	Mr. D.N. Nathe.	-	-	1	-	-	-	-	-	-	-	-	-
27	Mr. P.S. Kapadnis	1	-	3	-	-	-	-	-	-	-	-	-
28	Ms. M.B. Murkute.	3	-	3	-	-	-	-	-	-	-	-	-
29	Dr.D.T. Khairnar	10	-	7	6	-	-	-	-	-	-	-	-
30	Dr.S.R. Pachorkar	1	-	-	-	-	-	-	-	-	-	-	-
31	Mr. N.J.Salunke	1	1	-	-	-	-	-	-	-	-	-	-
32	Mr. L.C. Sontakke	1	1	-	-	-	-	-	-	-	-	-	-
33	Mrs. R.N. Mahale	1	2	-	-	-	-	-	-	-	-	-	-
34	Mr. S.V. Bachhav	1	2	-	-	-	-	-	-	-	-	-	-
35	Mrs. M.V. Malode	3	-	1	1	-	-	-	-	-	-	-	-
36	Mrs. D.L. Tidke	3	-	1	1	-	-	-	-	-	-	-	-
37	Dr.S.P Mogal	4	-	4	-	-	-	-	-	-	-	-	-

38	Dr.S.B. Sonawane	2	1	1	1	-	-	-	2.77	3	49	-	-
39	Mr. A.B .Kakade	2	-	3	-	-	-	-	2.32	-	-	1.89	1.55
40	Mr. Y.B. Chaudhary	-	-	1	-	-	-	-	-	-	-	-	-
41	Mr. A.A. Kapse	2	-	-	-	-	-	-	-	-	-	-	-
42	Mr. V.C. Shewale	5	-	3	-	-	-	-	-	-	-	-	-
43	Mr. N.K. Kharate	1	-	-	-	-	-	-	-	-	-	-	-
44	Mr. S.Y. Pawar	-	-	1	-	-	-	-	-	-	-	-	-
45	Mr. P.C. Shete	-	-	1	-	-	-	-	-	-	-	-	-
46	Mr. R.B.Jagtap	1	-	-	-	-	-	-	-	-	-	-	-
47	Mr. N.V.Lokare	-	-	1	-	-	-	-	-	-	-	-	-
48	Mr. N.S.Gaikwad	1	-	1	-	-	-	-	-	-	-	-	-
49	Mr. V.V Shinde	-	-	1	1	-	-	-	-	-	-	-	-
50	Mr. S.J.Suryawanshi	2	-	1	-	-	-	-	-	-	-	-	-
51	Mr. T.D.Dabhade	-	-	1	-	-	-	-	-	-	-	-	-
52	Mrs. G.M.Shirsath	1	-	-	-	-	-	-	-	-	-	-	-
53	Mrs. P.B.Sonawane	1	-	-	-	-	-	-	-	-	-	-	-
54	Mr. M.N.Gadakh	2	-	-	-	-	-	-	-	-	-	-	-
54	Mr. D.V. Kushare	3	-	-	-	-	-	-	-	-	-	-	-
55	Mr. P.S.Tile	1	-	-	-	-	-	-	-	-	-	-	-
56	Mrs. V.V.Ahire	3	-	1	-	-	-	-	-	-	-	-	-
57	Dr. V.S. Pawar	1	-	1	-	-	-	-	-	-	-	-	-
58	Mr. B.S.Tarle	1	-	2	-	-	-	-	-	-	-	-	-
59	Mrs. R.R. Tajanpure	3	-	2	-	-	-	-	-	-	-	-	-
60	Mrs. S.R. Bhamare	1	-	-	-	-	-	-	-	-	-	-	-

61	Mrs. S.V. Pawar	2	-	-	1	-	-	-	-	-	-	-	-
62	Mrs. P.P. Boraste	2	-	-	2	-	-	-	-	-	-	-	-
63	Mrs. M.B.Thombare	2	-	1	-	-	-	-	-	-	-	-	-
64	Mr. B.S. Gholap	1	-	1	1	-	-	-	-	-	-	-	-
65	Mr. H.V.Patil	1	-	2	2	-	-	-	-	-	-	-	-
66	Mr. S. P. Jadhav	1	1	-	1	-	-	-	-	-	-	-	-
67	Mrs. T.S. Pawar	1	-	-	1	-	-	-	-	-	-	-	-
68	Mrs. A.G. Khairnar	1	-	-	1	-	-	-	-	-	-	-	-
69	Mrs. A.D. Deore	2	-	-	1	-	-	-	-	-	-	-	-
70	Mr. Y.H. Palve	2	-	-	-	-	-	-	-	-	-	-	-
71	Mrs. S.S. Bhamre	2	-	-	1	-	-	-	-	-	-	-	-
72	Mrs. U.S. Tambe	3	-	-	1	-	-	-	-	-	-	-	-
73	Mr. N.S. Ujgare	2	-	-	-	-	-	-	-	-	-	-	-
74	Mr. D.A. Birari	2	-	-	1	-	-	-	-	-	-	-	-
75	Mrs. V.P. Harak	1	-	-	-	-	-	-	-	-	-	-	-
76	Mr. P. V. Joshi	-	-	3	3	-	-	-	-	-	-	-	-
77	Mr. Y.S. Bhavsar	-	-	3	-	-	-	-	-	-	-	-	-

3.4.4 Provide details (if any) of

- research awards received by the faculty
- recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally
- incentives given to faculty for receiving state, national and international recognitions for research contributions.

Table 3.4.4. (A) Awards received by the faculty

Name of Departments	Name of Faculty	Award / Recognitions	Awarding Organization	Year
MBA	Dr.S.R.Pachorkar	State level-Avishkar-13	Government of Maharashtra	2013
Mechanical Engineering	Dr. S.B. Sonawane	Promising Engineer Award	Institution of Engineers, Nashik Center	2014
	Dr. S.B. Sonawane	IEI Young Engineer Award 2015-16	Institution of Engineers, India	2015
E & TC	Mr. V. M. Birari	Best Paper Award	IEEE Sponsored International conference at PCCOE, Pune	2015



Figure 3.4.4 Awards Received by Staff

Table 3.4.4.(B) Faculty serving on the editorial boards of national, international journals and reviewers

Name of Department	Name of Reviewer	Name of Journal
Instrumentation & Control Engineering	Dr.K.S.Holkar	ISA Transaction
	Dr.B.B.Musmade	ISA Transaction
		Transaction of Institute of Measurement and Control
		Journal of System Science
		Journal of Process Control

	Dr. N.S.Patil	International Journal of ISA Transactions
	Prof. A.K. Patil	Elsevier Automatica Journal
Mechanical Engineering	Dr. S.B.Sonawane	Chemical Engineering Communications, Taylor & Francis Journal
Civil Engineering	Dr. A. B. Saner	International Journals of Sustainable Engineering
	Mr. M. P. Chaugale	International journals for Research in Engineering Technology.
Information Technology	Mr. N.S. Ujgare	International Journal on Computer Trends and Technology
		International Journal in Emerging Trends & Technology.
		International Journal of Advent Research in Computer & Electronics
MBA	Dr.D.T.Khairnar	Journal of Business and Economics

Table 3.4.4.(C) Faculty members on the organization committees of international conferences, recognized by reputed organizations / societies.

Name of Department	Name of Faculty	Name of National / International Conference	Role of Faculty
Mechanical Engineering	Dr.Sonawane S. B.	Recent Trends In Nano Science Techniques For Life Science (19-20 Dec.2014)	Committee member
	Mr. Kakade A.B	International Conference on Recent Trends in Mechanical Engineering for Sustainable Growth (29-30 Dec.2016)	Reviewer
	Mr. Kharate N.K	International Conference on Recent Trends in Mechanical Engineering for Sustainable Growth (29-30 Dec.2016)	Reviewer
	Mr. Gaikwad N. S	Recent Trends In Engineering And Technology (28-30 March 2014)	Reviewer
Instrumentation and Control Engineering	Dr. B. B. Musmade	International conference on Industrial Instrumentation and control	Session Chair
		National conference on "Entrepreneurship Development A Road Map to Make in India	Session Chair
MBA	Dr.D.T.Khairnar	International Conference – Global Sustainability Path for Globalization -2016	Member of Steering Committee

Table 3.4.4.(D). Incentives given to faculty for receiving state, national and international recognitions for research contributions.

Sr. No	Name of Staff	Year	Incentive given Rs	Purpose of Incentive
1	Dr. S. B. Sonawane	2015-2016	5,237/-	Incentive given for participation & presentation of research paper for IHMTC 2015 conference organized by ISRO, Thiruvananthapuram
2.	Dr. B. B. Musmade	2015	4,000/-	IEEE ICIC 2015
3.	Mr. D. B. Ghodke	2014	11,986/-	International conference on advances in Recent Technologies in electrical and electronics ARTEE 2013

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

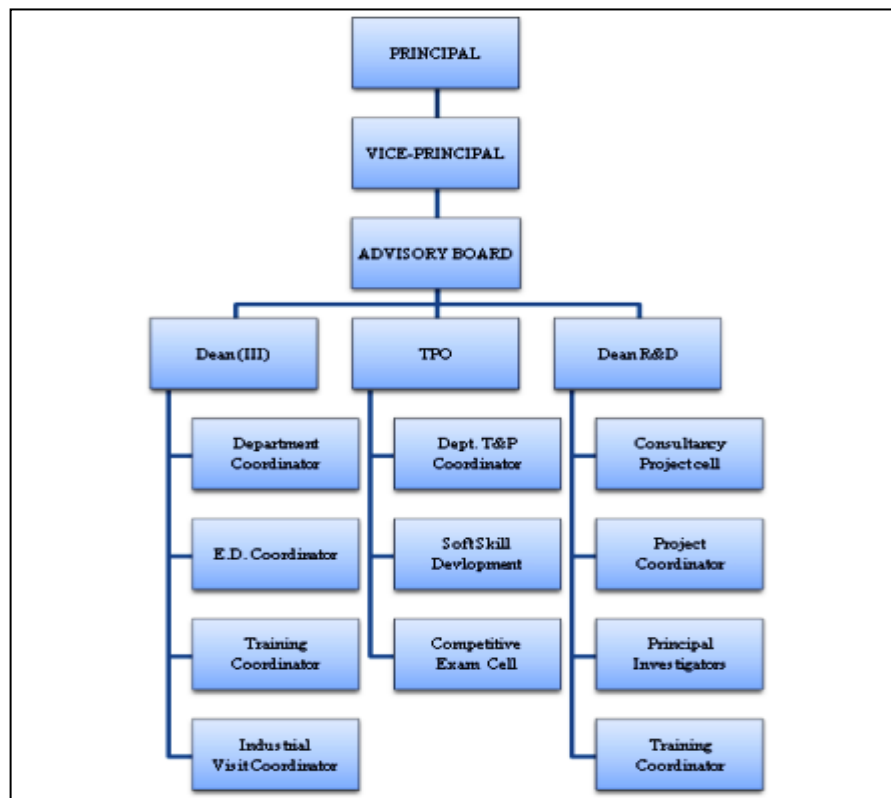


Fig 3.1.5 Structure of Industry-Institute-Interaction Cell, Training and Placement Cell, Research Committee

- Industry-Institute-Interaction Cell, Training and Placement Cell, Research Committee and Academic Council are the systems for establishing the institute - industry relationship.
- Institute level guidelines have been set for strengthening institute industry interface as per these guidelines, 50% UG & PG projects of students are industry sponsored.

- Institute motivates to the students and staff members for industrial visits in order to bridge gap between theory & practice.
- The feedback from the stake holders also helps in deciding the Industry-Institute-Interaction activities.
- Structure of Industry-Institute-Interaction Cell, Training and Placement Cell and dean R&D is as above.

Objectives: Institute Industry Interface (III Cell)

- To cultivate the strong links with industry.
- To promote various industrial activities by the faculty members and students.
- To catalyze the further growth and development of interaction between the Institute and Industry.
- To have a closer linkage and promote research suited to industry needs, and consultancy which creates a sense of owning among faculty members.
- To provide continuing education to people working in industries so that they can upgrade their technical knowledge.
- To enable academics to take internships for students in industries, this will prepare the students better for entering the industry.
- To enable the of experienced industry resource persons as visiting faculty in the College
- To bring about MoU's and Agreements with various industrial and research organizations in different fields and sectors to promote various forms of interactions.

Table 3.5.1(A) Members of Local Industry Advisory Board

Sr. No	Name of committee Member	Designation	Name Organization	Representation
1	Mr. Avinash Pradhan	General Manager, Engineering Dept	CEAT, Satpur, Nashik.	Mech. Engg. Dept
2	Mr. Vinod B. Patil	Proprietor,	Aakash Industries, Ambad, Nashik.	
3	Mr. Sujoy Gupta	Chairman	Samraat Group Nashik	Civil Engg. Dept
4	Mr. Avinash Shirode	Leading Consulting Engineer	Consulting Engineer, Nashik.	
5	Mr. Amol Deshmukh	Sr. Manager R&D	Rishbh Industries, Satpur, Nashik.	E&TC Engg. Dept
6	Mr. Milind Jagtap	Vice-President	AICON CAP, Satpur ,MIDC, Nashik	
7	Dr. Omprakash G. Kulkarni	Scientist	Mentor adviser technology provider and consulting engineering in automation instrumentation energy management IPR CDM &	Instru & Control Engg. Dept

			Renewable Energy	
8	Pralhad G. Dhumal	General Mgr - Drives & Services	FOX SOLUTIONS - M9 - M.I.D.C. Ambad Nashik - 422010, India	
9	Mr. Rajeev Papneja	EVP & COO	ESDS (Software Solution Private Limited), Nashik	Comp. Engg Dept
10	Mr. Suchit Ramchandra Tiwari	CEO	Cognifront Software Private Limited, Nashik	
11	Mr. Milind Ghyar	MD, TRIARQ Health,	Co-founder and MD, Glostream, Nashik	Information Technology Dept.
12	Mr. Milind Tanksale	Director,	Neumann Systems Consultancy Private Limited, Nashik	
13	Mr. Shashank Todwal	CEO	UMS Tech Labs, Nashik.	MCA Dept.
14	Mr. Sameer Choudhari	Asst Manager / HR Chief	Zabuza Labs, Nashik	
15	Dr. Kiran Patil	Sr. G.M.	Glennmark Pharmaceuticals Ltd, Nashik	MBA Dept.
16	Mr. Rupesh H. Khiste	R & D Head	Sahyadri Farms, Nashik	

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

- The management and institution promotes consultancy for their staff members and departments.
- The consultant fee is shared in the percentage 40:40:20 between the consultants, institution, MVP Sanstha respectively.
- The amount received from consultation is spent for further development of the research.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- The institution provides laboratory, testing & library facilities for the faculty.
- The institution also encourages the faculty for visits to industry and innovation Center.
- Faculty members are identifying the need based projects in the Industrial visit.
- The students are also work on these projects along with faculty members.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

Table 3.5.4. Area of Consultancy and Revenue Generated.

Name of the Departments	Academic Year	Area of Consultancy	Revenue generated in Rs
-------------------------	---------------	---------------------	-------------------------

Civil Engineering	2013-14	Surveying and Construction work	80,300/-
	2014-15	Construction, structural audit and ground water surveying)	1,97,000/-
	2015-16	Material Testing, Soil testing, Rock Testing and Geological Consultancy.	1,54,700/-
	2016-17	Material Testing, Ground water Surveying, Soil Testing	62,49,425/-
Mechanical Engineering	2014-15	Vibration analysis Tribology Thermodynamics	3,000/- 8,500/- 10,000/-
	2015-16	Vibration analysis Tribology	1,03000/- 2400/-
	2016-17	Stress analysis Vibration analysis	3000/- 20000/-
Computer Engineering	2016-17	Computer maintenance and printer repairing of MVP institutes	1,00000/-



Fig 3.5.4 Inauguration of Soil testing Consultancy work in civil engineering department.

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development

- The consultant fee is shared in the percentage 40:40:20 between the consultant, institution & NDMVP Sanstha respectively.
- The amount received from consultation is spent for further development of the research facilities.
- Facilities available in the institution are given for the consultancy.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighbourhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

- To develop social responsibility, institute has established National Service Scheme unit in 2004 under the affiliating University SPPU-Pune.
- NSS unit arrange the seven day residential camp in which almost 75 students (both boys and girls) participate.
- This has helped in building a relation with the villagers and an understanding of their problems.
- Organizing cleaning camps at nearby villages through NSS.
- Social awareness programs like Blood donation camps organized.
- Making the college playground available to neighboring communities on weekends and allowing for hosting sports.
- Faculty publishes the articles in the leading newspapers which help to literate the common man for development in technology and scope of branch.
- List of program arrange for overall development of students detail is as follows.

Table 3.6.1 Student activity details

Years	Activity	Participant	Venue
2016-17	Road Safety Abhiyan	45	Children Traffic Park, Nashik
	Health Checkup	580	KTHM Campus
	Blood Donation	102	NDMVPS's KBTCOE
	SwachhataMohim	75	NDMVPS's KBTCOE
	Matdar Nondani Abhiyan	250	NDMVPS's KBTCOE
2015-16	Health Checkup	681	KTHM Campus
	Blood Donation Camp	85	NDMVPS's KBTCOE
	Road Safety Abhiyan	45	NDMVPS's KBTCOE to Gangapur road
2014-15	Blood Donation Camp	103	NDMVPS's KBTCOE
	Tree Plantation	20	NDMVPS's KBTCOE
2013-14	Blood Donation Camp	121	NDMVPS's KBTCOE
	Tree Plantation	20	NDMVPS's KBTCOE
	Ahinsa Din	60	NDMVPS's KBTCOE



Figure 3.6.1 Student Activity

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

- Institute has appointed senior faculty as Dean Student affairs.
- Institute has mentor scheme, class coordinator and Student's Association coordinator through which the students involvement in various social activities are observed.
- Mentors record the student achievement in such extension activities in the respective file.
- Institute has started Earn and Learn scheme in association with SPPU-Pune.
- The groups of students are actively involved in carrying out various social activities under Student welfare organization (SWO) SPPU-Pune under guideline.
- Academic Monitoring through ERP and ERP ID for each student.



Godavari cleaning & Godavari Padyatra on ramkumud

Road Safety

Swachhata Abhiyan & Plastic Nirmulan

Figure 3.6.2 Social Activities by Students

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- External stakeholder and internal stakeholders are involved in overall performance and quality of institute.
- Certain formats have been designed to collect feedbacks from the internal stakeholders such as students, parents, and faculty.
- Student feedback conducted twice in year and corrective measures are taken.
- Suggestion boxes are kept at prime location in college building.
- Periodically performance reports are being sent regularly to parents through monthly attendance letter.
- Alumni meet are conducted and their feedback and suggestion are implemented for overall development of institute.
- Industry feedback collected and implemented at ground level.
- Management actively support and involved for implementation of suggestion and opinion of stakeholders.
- Assessment mechanisms such as placement survey result analysis and feedback analysis are also carried out simultaneously.
- Regular staff meetings to keep the staff updated about changes and developments of the institute.
- Parent-Teachers meeting are conducted to know about academic performance and quality of their wards and to provide constructive suggestions to improve the overall performance and quality of their wards and quality of institution.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

- Every academic year various extension and outreach programmes are planned and executed viz. Blood donation camp, Engineers Day, Awareness Programme, NSS camp and tree plantation.
- The College arranges Industrial Visits & Vocational training for the students.
- The institute is arranging NSS camp in association with SPPU.
- The following table shows the details regarding extension and outreach programme.

Table 3.6.4 (A) NSS Activities details

Years	Activity	Participant	Venue
2016-17	Road Safety Abhiyan	45	Children Traffic Park, Nashik
	Health Checkup	580	KTHM Campus
	Blood Donation	102	NDMVPS's KBTCOE
	SwachhataMohim	75	NDMVPS's KBTCOE
	Matdar Nondani Abhiyan	250	NDMVPS's KBTCOE
2015-16	Health Checkup	681	KTHM Campus
	Blood Donation Camp	85	NDMVPS's KBTCOE
	Road Safety Abhiyan	45	NDMVPS's KBTCOE
2014-15	Blood Donation Camp	103	NDMVPS's KBTCOE
	Tree Plantation	20	NDMVPS's KBTCOE
2013-14	Blood Donation Camp	121	NDMVPS's KBTCOE
	Tree Plantation	20	NDMVPS's KBTCOE
	Ahinsa Din	60	NDMVPS's KBTCOE



Figure 3.6.4 NSS Activities

Table 3.6.4. (B) Budgetary provision and expenditure for NSS Scheme:

Sr. No	Year	Amount budgeted in Rs.
1	2016-17	75,750/-
2	2015-16	75,750/-
3	2014-15	75,750/-
4	2013-14	75,750/-

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- The information about the proposed activities is display on the college notice board, circulars, web notifications and notice circulated in every class room for interested student participation.
- Provision of fund to conduct the NSS camp.
- University gives the special certification to each volunteer.
- Institute allots responsibility to the program officer for overall execution and activity related to NSS.

- Committee of NSS include-Principal (President), Programme Officer and, Members/Volunteers.



Figure 3.6.5. Staff and Student Activities

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

- Students have planted tree in college campus.
- Blood donation camps are organized by NDMVP, KBTCOE every year.

Table 3.6.6. College Social Activity for Students

Activity	Venue	Benefits	Years
Blood Donation Camp	NDMVPS's KBTCOE	Social work	2016-17
Blood Donation Camp Tree plantation	NDMVPS's KBTCOE	Social work, Environment awareness, climate control	2015-16
Blood Donation Camp Tree plantation	NDMVPS's KBTCOE	Social work, Environment awareness, climate control	2014-15
Blood Donation Camp Tree plantation	NDMVPS's KBTCOE	Social work, Environment awareness, climate control	2013-14



Figure 3.6.6 College Social Activities

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

- **Objective:** The objective of extension activity is students from the NSS participated in annual rural camps enable the volunteers to get a feel of life in the rural areas through interaction with the local people, understanding their problems, encouraging their children to enroll in schools. The overall objective of NSS scheme is 'Education and Service' to the community and by the community.
- **Outcomes:** Students aware about their social responsibility and their role. Extension activity develops the skill of students in overall development in their personality, confidence level, team work and leadership quality. The entrepreneurs skills are also developed among the students.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- The important initiative taken by institute to organized the various activities such as blood donation camp, tree plantation, Road Safety Abhiyan, Swachhata Mohim, Matdar Nondani Abhiyan and through these activities institute involves community in extension work.
- NSS students visits rural area and involve the villagers in their group activity.
- The NSS volunteers take initiative in developing a Technocratic Environment and also help the underprivileged people to develop themselves.
- Institute has established Dr. Vasantrao Pawar Young Engineers Lab at Horizon Academy school to provide technical knowledge to school children.
- Institute has established First Automation Training Center in collaboration with FOX CONTROLS Nashik.

- Institute organizes the various program at community places during NSS winter camp such as cultural program to involve the local people.
- Institute NSS volunteers during winter camp visit the rural areas and spread awareness about social issues such as environmental protection, tree plantation, Cleanliness Drives etc.
- The Institute has participated in the clean and green city campaign under the mission of ‘Clean Godavari’.
- The Institute promotes environmental and social awareness amongst the faculty and student community by celebrating Yoga day and Environment day.



Fig no 3.6.8 Inauguration function of Dr. Vasant Rao Pawar Young Engineers Lab by Scientist Dr. Govarikar.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

- The institution involved communities to actively participate in all the extension activities.
- This has contributed to both community-institution networking and development of institute.
- The institute is arranging NSS camp at various villages.
- The following table shows the details regarding extension and outreach activities.

Table 3.6.9. List of Camp Organized by NSS Unit in last four years

Name of Camp	Date/Durati on	Detail of work under taken camp	Place of Camp
Special Winter Camp	19/12/2016 to	1.Avayav danAbhiyan 2.Woman Empowerment	Tiradshet

	25/12/20 16	3.Personality Development Camp 4.Environment Awareness 5.ApattiManagement	
Special Winter Camp	21/12/2015 to 27/12/2015	1.Gramswachhata Abhiyan 2.Woman Empowerment 3.Personality Development Camp 4.Environment Awareness 5.Apatti Management	Govardhan
Special Winter Camp	15/12/2014 to 21/12/2014	1.GramSwachhata Abhiyan 2.Plastic Nirmulan 3.Road Safety Awareness	Trimbakeshwar
Special Winter Camp	23/12/2013 to 30/12/2013	1.Environment Awareness 2.GramSwachhata Abhiyan 3.Tree Plantation 4.Woman Empowerment	Matori

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

- Institute received the award from SPPU-NSS Unit in magazine competition IIIrd Prize for college annual magazine ‘Abhivyakti’ in year 2012-13.
- NSS program officer received appreciation letter and memento at the various place of winter camp conducted by institute.



Figure 3.6.10 Award received by Institution

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

- The collaboration with professional society chapters provides opportunities to conduct number of events. Various departments have memberships with student chapters.
- In order to strengthen industry-institute interaction, 50% project, are industry sponsored and rest of the 50% is in-house project.
- Faculty granted for hand of equipment training at industry.
- Industrial visit are organized by department at every semester.
- Most of the faculty having membership in various Professional Bodies like IEEE, IETE, SAE, CSI, IEL, ISTE

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Table 3.7.2. List of MoUs/ Collaborations

Sr. No.	Name of Organization Signing MoU	Purpose of MoUs/ Activity	Name of the Beneficiary department
1	Systems, Application and product in data Processing (SAP), Bangalore	Train the students in SAP modules HCM (Human Capital management), SD (sales and Distribution), ABAP (Advanced Business Application Programing, FI (Financial Accounting) and MM (material Mangment) to understand the business activites of the organization	MBA, MCA, Computer, Mechanical, E&Tc, IT, Civil and Instrumentation and Cotrol Engineering
2	Zensar Technologies, Pune.	To train the students in employability skills, JAVA and Advanced JAVA course	Computer Engineering and Information Technology
3	Fox Solutions Nashik	Industrial Training, Industrial Visit, Projects, Placements, Expert Talks	Instrumentation and Control Engineering
4	Microtech System Services Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
5	Boost Electronics, Ambad, Nashik	Industrial Training, Industrial Visit, Projects, Placements.	
6	Visionary Technologies, Nashik.	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
7	Teknocrat's academy of Automation & Control Technologies Nashik	Industrial Training, Industrial Visit, Projects, Placements.	
8	Copper Track Industries, Nashik	Industrial Training, Industrial Visit, Projects, Placements.	

9	Shriharsh Electronics, Nashik	Industrial Training, Industrial Visit, Projects, Placements.	
10	Cyberedge Web Solutions Pvt. Ltd. Nashik	Knowledge sharing, Industrial Visit, Campus Placement, Internship	MCA
11	Emerging Technologies Nashik	Knowledge sharing, Industrial Visit, Campus Placement, Internship	
12	UMS Tech Labs Nashik	Knowledge sharing, Industrial Visit, Campus Placement, Internship	
13	Internauts ,A Web Design Agency,Nashik	Knowledge sharing, Industrial Visit, Campus Placement, Internship	
14	Zabuza Labs, Nashik	Knowledge sharing, Industrial Visit, Campus Placement, Internship	
15	Sampoorna Bamboo Kendra Address: Lavada, Melghat, Amravati.	Knowledge Sharing	
16	Sunrise Candles Moreswar, Mahabaleshwar, Satara	Knowledge sharing, Industrial Visit, Campus Placement	
17	Sahyadri Agro Farms Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
18	Startup Farms Nashik	Knowledge sharing, Campus Placement	
19	Swati Investment Nashik	Knowledge sharing, Campus Placement	
20	Astiwz Infotech, Nashik	Knowledge sharing, In Plant Training	Computer
21	Avasthi's IT Training and Solution(AITS), Nashik.	Knowledge sharing, In Plant Training	
22	Advent Engineer's, Nashik	Knowledge sharing, In Plant Training	
23	Spectra Innovation, Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	E & TC
24	Quantaflux Technology Solution Pvt. Ltd Pune	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
25	Yashika Energy Systems Pvt. Ltd, Ashok Shambh, Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
26	Celestial Plastic Hub, MIDC Ambad, Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
27	Digilog Systems, Nashik	Knowledge sharing, In plant	

		Training, Industrial Visit, Campus Placement	
28	Anubhooti Infrastructures Pvt. Ltd. Nashik	Site Visit, Knowledge Shearing, On -Site training	Civil
29	Niwara Builders and Developers Nashik	Site Visit, Knowledge Sharing, On -Site training	
30	Jalchintan Engineering Trust Nashik	Site Visit, Knowledge Sharing, On -Site training	
31	Akash Industries Nashik	Industrial Visit, Project work	Mechanical
32	Deol Industries Nashik	Industrial Visit knowledge sharing	
33	Bhagyashree Engineering Pvt. Ltd Nashik	Industrial Visit. Project knowledge sharing	
34	Winjit Technology, Nashik	Training, Projects, Visits	IT
35	Glostream Technology, Nashik	Training, Projects, Visits	
36	Neumann Systems Consultancy Pvt. Ltd, Nashik	Training, Projects, Visits	

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

Table 3.7.3 Industry donated parts of equipments to department

Sr. No	Name of Industry Intuition community	Activity conducted	Contributed to		
			Establishment of Facility	Student and staff support	Infrastructure Facility
1.	Kirloskar Oil Engine Ltd, Ambad, Nashik	Donated accessories of Thermal Engg.Lab	2006	Practical exposure	Development of Thermal Engg.Lab

- Institute established a industry institute interaction cell

Activities:

- Formation of the III Cell at Institute.
- Framing the Manual /guidelines of Industry Institute Interaction and distribute to department.
- Formation of Departmental Advisory body & Institute level advisory board.
- To finalize the training need.
- Activity Calendar, Expert lectures by eminent personalities, Industry experts on recent trends in correlation with syllabus.
- Workshops organized based on industry need.
- Industrial visits.
- Sponsored projects, training programs, symposiums etc.
- In plant training to students and staff.
- National level symposiums for students.
- Sponsored consultancy work.

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Table 3.7.4. List of resource person of eminent scientists at institute organized conference

Name of Department	National/ International Conference	Name of the Eminent Scientists / participant	Description of contribution to Event	Year
Mechanical	Tribological Aspects in Design” State Level Workshop	1.Mr.N.L.Soni.Senior Scientist, BARC,Mumbai 2. Dr.D.V.Bhat, Professor, SVNIT, Surat. 3.Dr. V.M.Phalle,Head VJTI,Mumbai	Resource Person	2013-14
	State level workshop on Emerging Trends In Heat Transfer Engineering	1.Dr. K.N. Iyer (IIT Mumbai) 2.Dr. R.P.Vedula (IIT Mumbai) 3.Dr. SridharaSheshadri (IIT Mumbai) 4.Dr.R.S.Jha, Manager (Innovation), ThermaxLtd,Pune. 5.Dr.AvsarLakdawala,NirmaUniversity,Ahmedabad. 6. Dr.ParagSonawane, Director (R &D), AIMID Ltd,Shenzen,China 7. Shri. Rajendra Kumar Das, Vice President, CEAT Ltd, Nashik. 8. Dr. PankajJagad, Nirma University, Ahemedabad. 9.Dr.Atul Srivastava (IIT Mumbai)	Resource Person	2015-16
Computer	Kshitij 2014	Mr. Sunil Khandbhale	Marathi Shabdhoosh	2013 - 2014
	Kshitij 2015	Mr. Suchit R. Tiwari	Innovative Learning	2014-2015
	Kshitij 2016	Dr. Rajeev Papneja Mr. VikasNaik	Cyber Security	2015-2016
Instrumentation and Control	NVIDIA CCOE IITB Professors Meet	Dr. Paluri S. V. Nataraj	Resource Person	2013-2014
MBA	National Conference	Mr.MansukhbhaiPrajapati	Key Note Speaker	2016-2017
		Mr.Bhavesh Bhatia	Key Note Speaker	2016-2017
		Dr.OmprakashKulkarni and Mr.YashovardhanBaramatkar	Panelist	2016-2017

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -

- a) Curriculum development/enrichment**
- b) Internship/ On-the-job training**
- c) Summer placement**
- d) Faculty exchange and professional development e) Research**
- f) Consultancy**
- g) Extension**
- h) Publication**
- i) Student Placement**
- j) Twinning programmes**
- k) Introduction of new courses**
- l) Student exchange**
- m) Any other**
- c) Summer placement**

Table 3.7.5.(A). Detail of Summer placement

Sr. No	Name of Department	Name of Placement program	Name of Organization
1.	Instrumentation and Control Engineering	Vacational training program on Study of DCS, PLC and Instrumentation Maintenance Practices in Nitric Acid Plant from 15-30 th June 2014	Rashtriya Chemicals & Fertilizers LTD
		Vocational training program on Study of PLC and Instrumentation from May 2016	TAACT, Nashik
2.	Computer Engineering	Zensar Java Training	Zensar Technology, Pune
		Zensar SQL training	Zensar Technology, Pune
3.	Mechanical Engineering	Summer/Winter Training (2015-16)	Drill Bit Pvt. Ltd, Satpur, MIDC. BOSCH Ltd., Satpur, MIDC. Atlas Copco Ltd Mahindra Sona Pvt. Ltd.
4	Mechanical Engineering	Summer/Winter Training (2014-15)	BOSCH Ltd. Satpur, MIDC. HAL, Ozar Nashik
		Summer/Winter Training (2013-14)	Mahindra & Mahindra Ltd.

d) Faculty exchange.

Table 3.7.5.(B) Faculty exchange detail

Sr. No.	Name of Faculty	Name of the Programme	Name of institute	Duration	
				From	To
1	Dr. B. B. Musmade	Visiting Professor M.E. (Electrical)	K.K W. Institute of Engineering Education and Research, Nashik	13/07/2015	30/06/2016
2	Mr.N.J.Salunke	Visiting Lecture Management	IGNOU,Nashik	01/06/2013	Till date

k) Introduction of new courses

Table 3.7.5.(C) Detail of New courses started by institute

Name of Department	Academic Year	Name of Course	Name of the Programme Sanctioned	Intake
Mechanical Engineering	2012-2013	PG	Design Engineering	24
Civil Engineering	2012-2013	PG	ME Construction and Management	24
NDMVPS's KBTCOE- Nashik	2016-2017	Pradhan Mantri Kaushal Vikas Yojana, Govt.of India	1 Construction- Assistant Electrician	25
			2 Electronics & Hardware Test & Repair Technician	25
			3.A. Iron & steel fitter and maintenance water cooler	25
			4.B. Plumbing (Plumber after sales service)	25
NDMVPS's KBTCOE- Nashik	2016-2017	PGD In Computer Aided Product Design, MHRD, SPPU, Pune	PGD In Computer Aided Product Design	20
		Degine and implementation of signal and sensor technology, MHRD, SPPU, Pune	Design and implementation of signal and sensor technology	No limit for participati on
		Advance and innovative techniques of envornment and watershed management MHRD, SPPU, Pune	Advance and innovative techniques of envornment and watershed management MHRD, SPPU, Pune	
NDMVPS,s	2016-	Authorized SAP	SAP Modules	

KBTCOE- Nashik	2017	Center	1. HCM (Human Capital management) 2. SD (sales and Distribution), 3. ABAP (Advanced Business Application Programing, 4. FI (Financial Accounting) and 5. MM (Material Mangment)	
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i) Student Placement

Table 3.7.5.(D) Shows Institute student Placement

Academic year	No of student placed	Organizations
2016-17	19	Infosys Ltd, Mahindra and Mahindra Ltd. Nashik, TCS
2015-16	86	Bridgestone Ltd., Persistent
2014-15	71	Computer System Ltd.,
2013-14	49	Zensar Ltd, L&T Infotech Ltd, Eternus Solutions Ltd., Rishabh Instruments Ltd., Softenger, Triveni Turbines Ltd., Aress Software Ltd., Armstrong machine Builders Pvt Ltd, XL Dynamics Ltd., Technoforce Ltd, ACE solutions Ltd, Netwininfoystems Ltd., Datamatics Ltd, Quickheal Ltd, Indian Oil nashik, Mphasis, Amazon(I) Ltd, Syntel, FACE, Saama Technologies Ltd, Ukay Metals, Anix Ltd, Bosch Ltd CMS Ltd, AGS Transact Technologies, Prompeii, DigiteInfotech Ltd, Winjit Technologies, GlaxoSmithkine, Mylan, Prothious Ltd, Capgemini

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations. Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

- Institute departments organized Industrial visit with the help of various collaborating agencies.
- Institute grants leave for faculty to take advanced training in related institutions/industries.
- Institute inviting expertise from various industries for delivering guest lectures, key note address in conferences, workshops and symposiums.
- Institute offers the labs, library, training and other facilities for development of linkages.
- Institute has appointed senior faculty member as a Dean Industry institute interaction Cell for enhancing the collaboration/linkages.

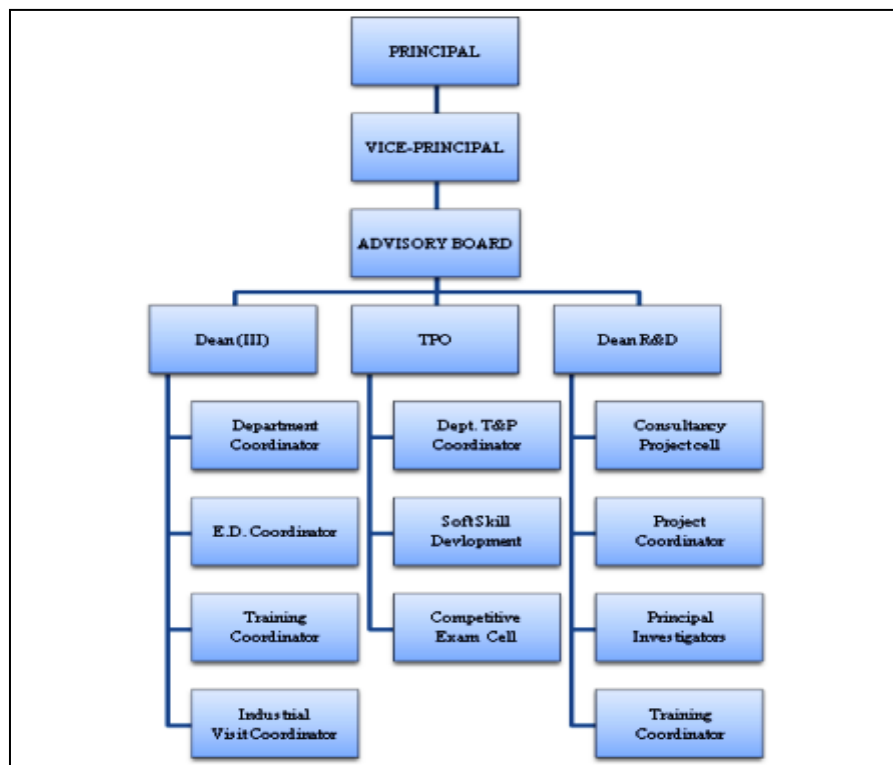


Fig 3.7.6 (A) Organogram shows structure of Industry-Institute-Interaction Cell, Training and Placement Cell, Research consultancy.



Industrial Visit at C –DAC, Kharghar, Mumbai



Industrial Visit at Altruist, Chandigarh



Industrial Visit at Dharampur Science Center, Gujarat



Industrial Visit at BAIF, Jawhar, Thane

Figure 3.7.6 (B) Industrial Visits

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1.1 What is policy of the institution for creation and enhancement of infrastructure that facilitate effective teaching and learning.

- Institute has sufficient infrastructure which meets the needs of all the stakeholders in the institutes.
- Institute provides LCD projectors and internet facility in all the classrooms for easy teaching and learning of the students.
- Institute has well equipped laboratories for the students to do practical and demonstrations which enhance the learning process.
- Institute provides huge collections of books in its library with OPAC software to search the status of the book.
- There is provision of digital library to get access to e-books ,e-journals and e-Learning
- Institute has always tried to maintain the comfortable environment and infrastructure for teaching and learning.

4.1.2 Detail the facilities available for

(a) Curricular and co curricular activities- class rooms, technology enabled learning spaces, seminar hall, tutorial spaces, laboratories, botanical garden, animal house, specialized facilities and equipment for teaching learning and research.

Name of Branch: Civil Engineering

Sanctioned Intake: UG-60

Sanctioned Intake: PG-24

Table 4.1.2.(A) Detail description of the spaces at Civil Engineering Department

Room No	Particulars	Required Area as per AICTE in Sq. Mtrs.	Available Area in Sq. Mtrs.
C505	Class Room	66.00	90.66
C102	Class Room	66.00	90.66
C103	Tut/common Room	33.00	34.81
C104	Seminar hall	132.00	242.00
C105	Staff/ room /Dept lib	-	32.22
C106	Geo Technical	66.00	80.93
C106A	Class Room	66.00	66.00
C107	Transportation engg.	66.00	77.10
C107A	Class Room	66.00	66.00
C108	Fluid Mechanics Lab	66.00	77.00
C109	Material testing Lab	66.00	66.00
C109A	Concrete tech. Lab	66.00	66.00
C109B	Tutorial Room	33.00	34.16
C201	Class Room	66.00	84.138
C202	Class Room/ Drawing	132.00	132.00

	hall		
C204	Chemistry Lab	66.00	146.00
C203	Physics lab Lab	66.00	146.00
C207	Environment	66.00	80.92
C207A	PG Lab	66.00	66.00
C208	Engineering mechanics	66.00	77.103
C208A	Survey Lab	66.00	66.00
C209	Engineering Geology	66.00	77.103
C210	PG Lab	66.00	93.06
C210	Computer Lab	150.00	72.40
Total Area			2064.264



Fig 4.1.2. (A) Civil department experiment laboratory

Name of Branch: Instrumentation and control Engineering

Sanctioned Intake: 60

Table 4.1.2. (B) Detail description of the spaces at instrumentation and control Engg.

Room No	particulars	Required Area in Sq. Mtrs.	Available Area in Sq. Mtrs.
C301	Class Room	66.00	90.66
C302	Class Room	66.00	90.66
C303	Common Room	33.00	34.81
C304A	Electronics Lab	66.00	72.6
C304B	Basic Instrumentation	66.00	85.56

C305	Class Room	66.00	95.20
C307A	Process Instrumentation	66.00	72.72
C307B	Lab	66.00	66.00
C308	Sensor Transducer	66.00	72.89
C309	DCS and Simulation Lab	66.00	72.89
C310	BMI Lab & AI lab	66.00	77.39
C311A	Computer center	66.00	66.00
C311B	DSP and microwave Lab	66.00	66.00
C311C	Tutorial room	33.00	33.00
Total			996.38

Name of Branch: Electronics and Telecommunication Engineering

Sanctioned Intake: 60

Table 4.1.2.(C) Detail description of the spaces at E&TC Engg.

Room No	Particulars	Required Area in Sq. Mtrs.	Available Area in Sq. Mtrs.
C401	Class Room	66.00	90.66
C402	Class Room	66.00	90.66
C403	Common Room	33.00	34.81
C404A	PCB design project Lab	66.00	79.23
C404B	Lab	66.00	66.00
C405	Class Room	66.00	95.20
C406	HOD cabin	10.00	32.22
C407	Power Electronics Lab & Mech. Measurement Lab	66.00	146.93
C408	Elex.measurement Lab	66.00	110.12
C409	Analog Lab	66.00	110.00
C410	VLSI Design Lab	66.00	72.47
C410A	Comp Center	66.00	46.03
C501	Class Room	66.00	90.66
C502	Class Room	66.00	90.66
C503	Common Room	33.00	34.81
C505	Common Room	10.00	32.22
C507	Electrical M/C Lab	66.00	146.93
C507	Basic electronics Lab	66.00	110.00
C508	Basic electrical Lab	66.00	110.00

C510A	Microprocessor Lab	66.00	72.87
C510B	Digital Microwave Lab	66.00	46.03
Total			1853.74



Fig 4.1.2 (B) Electrical lab

Name of Branch: Information Technology Engineering
Sanctioned Intake: 60

Table 4.1.2. (D) Detail description of the spaces at Information Technology

Particulars	Room No/Name	Required Area in Sq. Mtrs.	Available Area in Sq. Mtrs.
C601	Class Room	66.00	90.66
C602	Class Room	66.00	90.66
605	Class Room	66.00	95.66
C603	L.common Room	33.00	34.818
C604	Language Lab	66.00	72.75
C604A	Computer Lab	150.00	84.76
C607A	Project Lab	66.00	76.29
C607B	Programming Lab	66.00	73.50

C608	Software Lab	66.00	73.50
C609	Multimedia Lab	66.00	73.50
C610A	Microprocessor Lab	66.00	72.79
C610B	Computer Network Lab	66.00	72.79
C504	IT Lab	66.00	145.23
Total			984.158



Fig 4.1.2.(C) Project lab

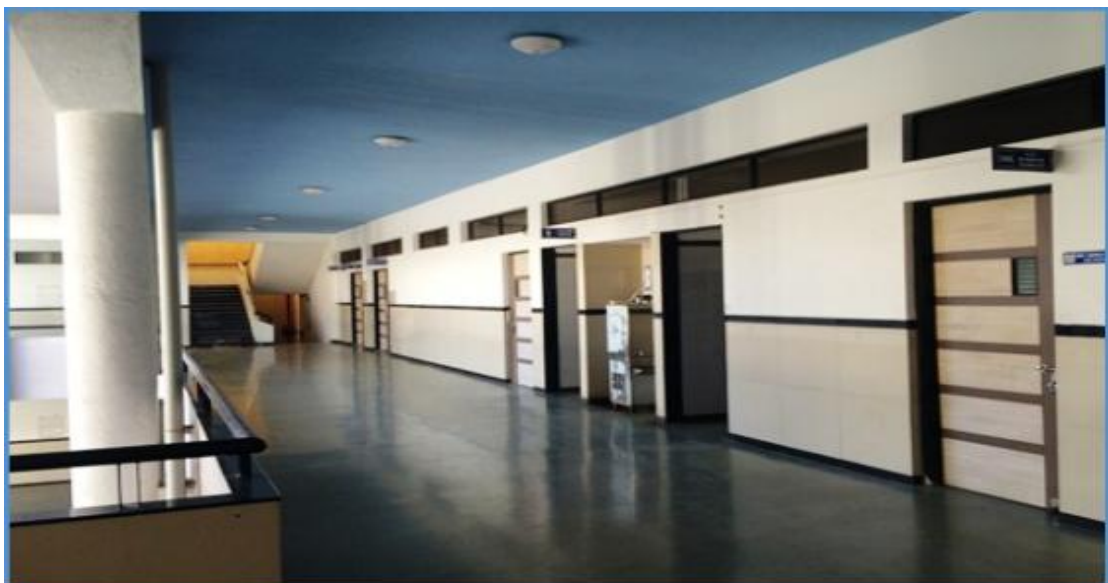


Fig 4.1.2 (D) Information Technology Department

Name of Branch: Computer Engineering**Sanctioned Intake: 60**

Table 4.1.2. (E). Detail description of the spaces at Computer Engg.

Room No/ Name	Particulars	Required Area in Sq. Mtrs.	Available Area in Sq. Mtrs.
B301	Class Room	66.00	109.28
B302	Class Room	66.00	109.28
B401	Class Room	66.00	109.28
B402	Class Room	66.00	109.28
B303	Drawing hall	132.00	182.14
B304	Dept. Library	-	39.33
B306	Software Lab	66.00	66.00
B306A	Comp Lab	66.00	80.517
B307	Project Lab	66.00	66.00
B308	Computer center	150.00	110.28
B309	Network lab	66.00	183.75
B309B	Tutorial Room	33.00	51.75
B403	Seminar Hall	150.00	182.14
B404	Tutorial Room	33.00	39.67
B406	Programming Lab	66.00	147.00
B407	Linux lab	66.00	109.28
B408	Multimedia Lab	66.00	109.28
Total			1804.257

Name of Branch: Mechanical Engineering**Sanctioned Intake: UG-120****Sanctioned Intake: UG-24**

Table 4.1.2.(F). Detail description of the spaces at Mechanical Engg.

Particulars	Room No/Name	Required Area in Sq. Mtrs.	Available Area in Sq. Mtrs
B101	Class Room	66.00	109.28
B102	Class Room	66.00	109.28

B201	Class Room	66.00	109.28
B202	Class Room	66.00	109.28
B103	Seminar Hall	132	182.14
B104	Tutorial Room	33.00	39.33
B105	Staff Room	-	20.35
B106	Thermal Engineering	66.00	183.75
B107	Fluid Mechanics	66.00	183.75
B108	Theory of Machine Lab	66.00	183.75
B203	Drawing Hall	132.00	182.14
B205	HOD Room	10.00	20.36
B206	Heat Transfer	66.00	110.25
B207	Metallurgy Lab	66.00	66.00
B207A	PG Lab	66.00	66.00
B207B	Lab	66.00	51.75
B208	CAD/CAM Lab	66.00	66.00
B208A	PG Lab	66.00	66.00
B208B	Tutorial Room	33.00	51.75
Total			1910.44



Fig 4.1.2.(E) Theory of Machine Laboratory

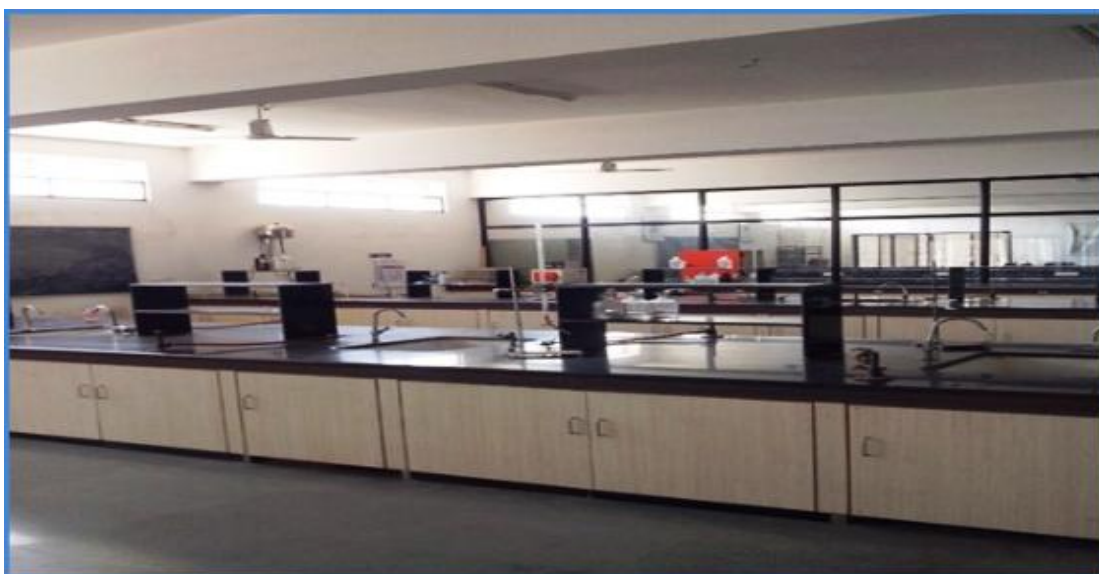


Fig 4.1.2.(F) Chemistry lab for First year students

Name of Branch: MCA
Sanctioned Intake: 60

Table 4.1.2.(I) Detail Description of the spaces at MCA

Particulars	Room No/name	Required Area in Sq. Mtrs.	Available Area in Sq. Mtrs.
A501	Class Room	66.00	66
A504	Class Room	66.00	66
Lab	Programing Lab	66.00	66
Lab	Software Lab	66.00	66
Total			264

Name of Branch: MBA
Sanctioned Intake: 60

Table 4.1.2.(J) Detail description of the spaces at MBA

Room No/name	Particulars	Required Area in Sq. Mtrs.	Available Area in Sq. Mtrs.
A402	Meeting Room	-	12.24
A403	HOD Cabin	10.00	31.43
A404/405/406/507	Staff Cabin	10.00	51.28
A408	Meeting Hall	-	50.20
A409	Conference Room	-	52.24
A410	Comp.Center	150.00	66.18

A411	Comp. Center	150.00	66.75
A412	Dept.Library	-	66.00
A413	Store Room	-	29.59
501/502/503	Syndicate Room	-	63.84
A504 /505/506	Staff Cabin	10.00	26.70
507	Seminar Hall	132.00	150.10
508	Class Room	66.00	66.00
509	Tutorial Room	33.00	26.84
510	Tutorial Room	33.00	26.84
A511	Class Room	66.00	66.00
Total			852.83

Administrative Area in Square Meters:

Table 4.1.2.(K) Detail description of the Administrative area

Particulars	Room No	Required Area in Sq. Mtrs.	Available Area in Sq. Mtrs.
Principal/Director Office	109A	30.00	50.92
Faculty Rooms	FR	30.00	98.33
Board Room	A112	20.00	20.00
Office	A100	150.00	309.92
Placement office	A116	30.00	30.00
Maintenance	A115	10.00	20.83
Central Stores	ST	10.00	10.00
House Keeping	HK12	10.00	46.44
Pantry	PT	10.00	15.23
Security	SC	10.00	10.00
Total			654.07

Amenities Area in Square Meters:

Table 4.1.2.(L) Detail description of the Amenities

Particulars	Nos / Capacity	Available Area in Sq. Mtrs.
Canteen	70.00	200.00

Health Care Facilities	-	10.00
Common Room – Boys	-	10.00
Common Room - Girls	GCR	10.00
Boys Hostel	BH	340.89
Girls Hostel	GH	2858.00
Total toilets	-	584.57
Guest House	GST	83.64
Play Ground	PG	10117.00
Total		13629.53



Fig 4.1.2.(G) Playground



Fig 4.1.2.(H) Hostel mess facility

Other essential facilities available on the campus of the institute:

Table 4.1.2.(M) Detail description of the available facilities.

Sr. No.	Particulars	Availability
1	Recreational Facilities	YES
2	Sports Facilities	YES
3	Disabled Friendly Infrastructure Created	YES
4	All Weather Approach Road	YES
5	Potable Water Supply	YES
6	Electrical Generator	YES
7	Parking Facilities	YES
8	Medical Facilities	YES
9	General Insurance Policy for Assets	YES
10	Sewage Disposal	YES
11	General Notice Board and Departmental Notice Boards	YES
12	Medical and Counseling Facilities	YES
13	Institution Web Site	YES
14	First Aid facility	YES
15	Backup Power Supply	YES
16	Telephone and FAX	YES
17	Safety Provision – Fire	YES

Building area statement:

Table 4.1.2.(N) Detail description of the total building area

Sr No	Name	Area in Sq Mtrs.	Department
1	Academic Block-1(B)	2693.21	Mechanical
2	Academic Block-1(B)	2691.276	Computer
3	Academic Block-2(C)	2562.45	Civil
4	Academic Block-2(C)	297.971	Engineering science
5	Academic Block-2(C)	1357.782	Instrumentation and Control

6	Academic Block-2(C)	1846.638	E & TC
7	Academic Block-2(C)	912.292	MCA
8	Academic Block-2(C)	1347.292	IT
9	Administrative Building(A)	1542.27	MBA
10	Administrative Building(A)	1476.63	Library
11	Administrative Building(A)	728.52	Office



Fig 4.1.2.(I) Fire Fighting System

b) Extra-curricular activities – sports, outdoor and indoor games, gymnasium, Auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

- Institute has adequate playground of area 10117 sq. mtr and all the facilities of outdoor games such as football, cricket, badminton, volleyball, basketball, etc,
- Institute also encourages indoor games such as chess, carrom, table-tennis, and had well equipped gymkhana for the students.
- Institute organizes NSS camp every year for the students in which activities like blood donation camp, Godavari cleaning, village cleaning and awareness demonstration by students in nearby villages.
- Institution conducts various soft skill and personality development programs for students and faculty.
- Institution has also conducted a yoga session for students and staff in association with “art of living”.
- Institute has provided water purifiers to all the departments as well in college premises and hostels.
- Canteen and mess facilities with proper hygiene are available for the student.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

Institute has enough number of classrooms and laboratories as per AICTE norms.

Investment on Equipment (Department wise)

Table 4.1.3 Detail of investment on equipment

Sr. No	Department	Equipment Cost Rs.
1	Mechanical Engineering	2,87,46,578.16
2	Civil Engineering	1,27,69,678.14
3	Computer Engineering	1,62,13,271.90
4	Information Technology	65,34,407.00
5	Electronics & Telecommunication Engg.	15715705.25
6	MBA	29,19,479.00
7	Engineering Science	50,55,703.18
8	Instrumentation and Control Engineering	1,31,34,711.76
9	MCA	29,76,117.00
10	Library	9,77,786.00
11	Gymkhana	970150.9

4.1.4 How does the Institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

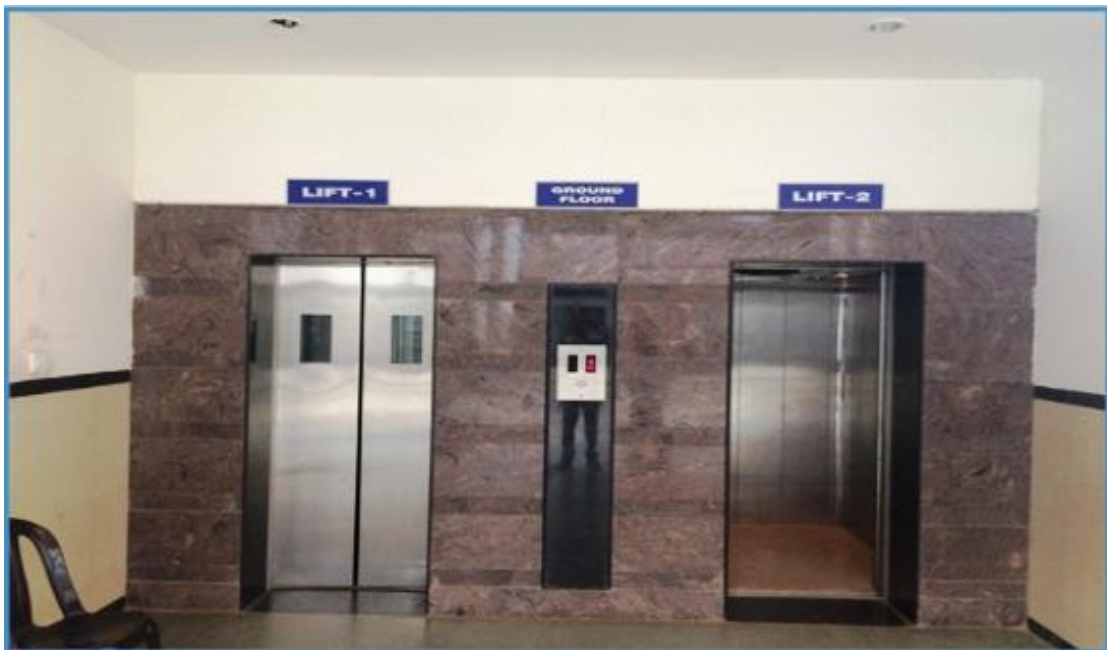


Fig 4.1.4 Lift facility

- Provision of ramp for wheelchair users.
- Lift facility is provided.
- Separate toilet construction for physical disability.

4.1.5 Give the details on residential facility and various provisions available within them?

- **Hostel Facility** –Hostel facility is available for girls inside the campus, total area of the hostel is 2858sq.mtrs having capacity of 240 girls.
The boy’s hostel is located outside the campus. Total area of the boy’s hostel is 340.89 sq.mtrs
- **Recreational facilities, gymnasium, yoga center, etc.--** Available
- **Computer facility, including access to internet in hostel --** Available
- **Facilities for medical emergencies --** Available
- **Library facility in the hostels –** Not Available
- **Internet and Wi-Fi facility –** Wi-Fi internet facility with 10 Mbps of speed is made available to the hostel
- **Recreational facility-** Available
- **Available residential facility for the staff and the occupancy constant supply of safe drinking water-** water purifiers are made available at all the places required in the campus
- **Security –** Available CCTV /security guard

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

Medical insurance policy is made available to staff and students on the campus and off the campus.

First aid facility is provided.

4.1.7 Give details of the Common Facilities available on the campus–spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance, Placement Unit, Health Center, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Table 4.1.7 Details of the common facility

Sr.no	Particular	Availability
1	IQAC Cell	Yes
2	Grievance Redressal Unit	Yes
3	Women’s Cell	Yes
4	Placement Unit	Yes
5	Health Center	Yes
6	Safe Drinking Water	Yes

7	Auditorium	Yes
8	Recreational Facilities	Yes
9	Sports Facilities	Yes
10	Disabled Friendly Infrastructure Created	Yes
11	All Weather Approach Road	Yes
12	Potable Water Supply	Yes
13	Electrical Generator	Yes
14	Parking facilities	Yes
15	Medical facilities (medical insurance for staff and student)	Yes
16	General Insurance Policy for Assets	Yes
17	Sewage Disposal	Yes
18	General Notice Board and Departmental Notice Boards	Yes
19	Medical and Counseling Facilities	Yes
20	Institution Web Site	Yes



Fig 4.1.7. Water purifiers at each department

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

Yes, the library has Advisory Committee. The details are as follows:

Table 4.2.1 Details of Library Advisory Committee

Sr. No.	Faculty Name	Committee Designation	Department
1	Dr. S.B. Sonawane	I/C Library	Mechanical Engineering
2	Prof. P.V. Joshi.	Member	Instrumentation and Control
3	Prof. S. J. Suryawanshi	Member	Mechanical Engineering
4	Prof. R. R. Tajanpure	Member	Computer Engineering
5	Prof. S. B.Lukare	Member	Instrumentation and Control
6	Prof. A. R. Chaudhari	Member	Electronics and Telecommunications
7	Prof. D. N. Nathe	Member	Civil Engineering
8	Prof. U.S. Tambe	Member	Information Technology
9	Prof. S. M. Yawalkar	Member	MCA
10	Prof. N .J. Salunke.	Member	MBA
11	Ms. V. D. Junnare	Secretary/ Convenor of Library	Library

Significant Initiatives taken to make library student/ user friendly:

- Library committee recommends books and journals required for students and staff to purchase as per syllabus.
- Library has excellent environment for studies.
- Library provides daily newspapers, magazines in the reading room.
- Considering the students request library reading room timings have been extended during examination period. The students are allowed to carry their own books in the library for study.
- To identify and to minimize the theft cases CCTV cameras are installed in the reading and reference section.
- Online library portal is made through which student and staff can access e-learning resources such as NPTEL videos and e-books within the campus network.
- Library offers Automated catalogue OPAC.
- Spacious reading room with 200 seating capacity.

4.2.2 Provide details of the following:

- **Total area of the library (in Sq. Mts.)**
- **Total seating capacity**
- **Working hours (on working days, on holidays, before examination days, during Examination days, during vacation)**

- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

Table 4.2.2 Library Details

Sr. No.	Particular	Availability
1	Total Area of The Library	730.78 Sq. m.
2	Seating Capacity of the Library	200
3	Reprographic facility	Yes
4	Working Hours of Library	8:30 am To 12:00 midnight
5	Library Networking Facility	Yes
6	Data Usage of the library (in terms of books issued to the Faculty and students etc.)	65%

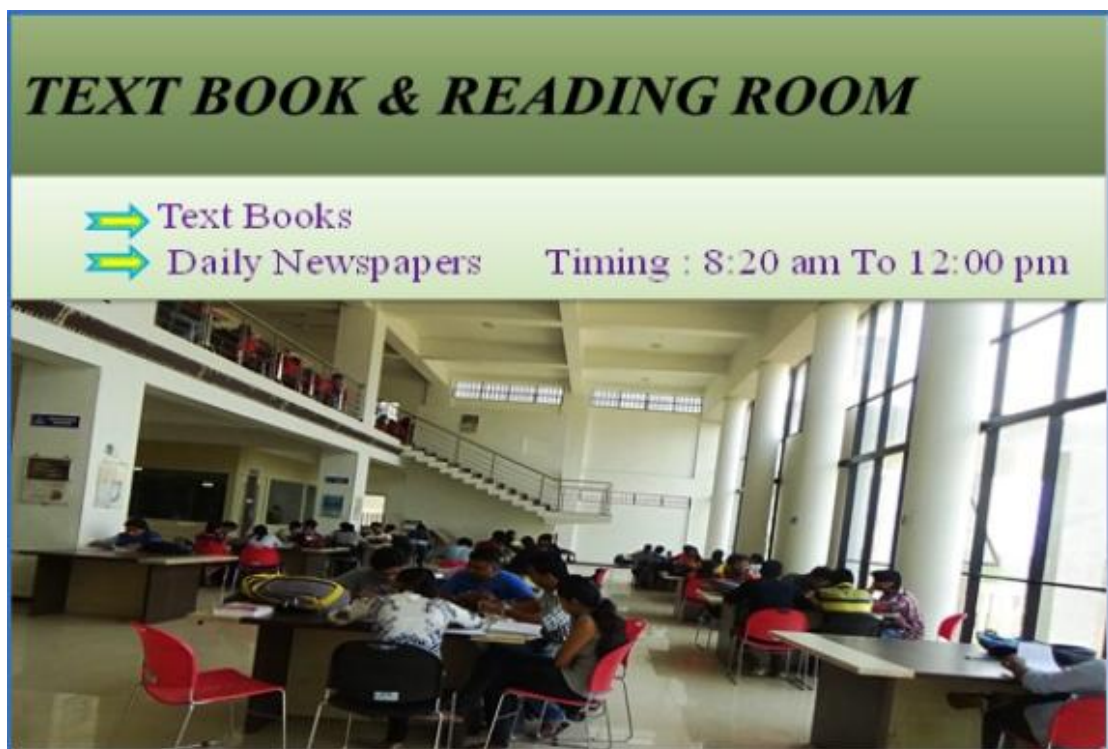


Fig 4.2.2. (A) Reading Room



Fig 4.2.2. (B) Reading Room



Fig 4.2.2.(C) Stack Section



Fig 4.2.2 (D) Periodical Section



Fig 4.2.2.(E) OPAC Section

4. 2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

Table 4.2.3 Library holding details

Library Holding	Year 2013-14		Year 2014-15		Year 2015-16		Year 2016-17	
	No	Total cost	No	Total cost	No	Total cost	No	Total cost
Text book	2589	59749	629	6.58 lakh	949	6.48 lakh	462	3.08 lakh
Reference Book	364	2.22 lakh	571	1.56 lakh	557	8.62 lakh	30	1.05 lakh
Jouranal/ Periodical	25	34445	61	1.35 lakh	73	1.52 lakh	Renewal order has been placed	
e- resource	7	15.00 lakh	5	13.58 lakh	-	-	Renewal order has been placed	
Any other specify (News paper Genral books)	News Paper		News Paper		News Paper		News Paper	
	13		14		16		16	

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

a) OPAC:

For this purpose library uses computer based OPAC to keep a record of the books and of the user who borrow the books. Besides listing all the books and Journals available in the library, it allows the facility like, status of particular books. It is searchable by Author, Title, and accession number. and several other fields.

b) Electronic Resource Management package for e-journals:

The Library has access to e-journals and databases as per AICTE norms.

1. IEEE ASPP,
2. Springer
3. ASME
- 4 ASCE
- 5 ELSEVIER
6. J-Gate

c) Federated searching tools to search articles in multiple databases: Nil

d) Library Website – Yes, <http://www.kbtcoe.org/library>

e) In-house /remote access to e-publications: Available

f) **Library automation:** Yes, All the work related to issue and return has been computerized. All of the books are bar-coded.

g) Total number of computers for public access: 33

h) **Total numbers of printers for public access:** Yes, All PCs are attached to copier machine for printing.

i) Internet band width/ speed: 06 Mbps (BSNL leased line)

j) Institutional Repository: Yes.

k) Content management system for e-learning: Yes, e-books, NPTEL video lectures series, question paper soft copy.

l) Participation in Resource sharing networks/consortia (inlibnet): DELNET Delhi.

4.2.5 Provide details on the following items:

a) Average number of walk-ins:

Table 4.2.5.(A) walk-in details

Sr. No.	Year 2013-14	Year 2014-15	Year 2015-16	Year 2016-17
1	1341/month	2990/month	3335/month	-

b) Average number of books issued/ returned:

Table 4.2.5.(B)

Sr. No.	Year 2013-14	Year 2014-15	Year 2015-16	Year 2016-17
1	870/15days	810/15days	795/15days	495/15days

c) Ratio of library books to students enrolled:

Table 4.2.5.(C)

Sr. No.	Year 2013-14	Year 2014-15	Year 2015-16	Year 2016-17
1	14:1	14:1	15:1	16:1

d) Average number of books added during last three years: 1773

e) Average number of login to OPAC: 40 per day

f) Average number of login to e-resources: Yes, they are provided separately in digital library (40 numbers).

g) Average number of e-resources downloaded/printed: NIL

h) Number of information literacy trainings organized: Yes, at the time of orientation program for first year, direct second year and PG, students are called and explained about library procedures and process, rules including OPAC.

i) Details of “weeding out” of books and other materials: Yes.

1. Books -118
2. Periodicals / Magazines -57

4.2.6 Give details of the specialized services provided by the library: Yes,

1. OPAC
2. Open access

3. Increased library reading room time
4. Digital library
5. Book bank
6. News papers/ Magazines/ Journal

Manuscripts: NIL

Reference Books: 6491 reference books of various subjects are available.

Reprography section: 3 Machines are available at reprographic section where the entire institute is served as a need basis.

Inter Library Loan Service (ILL): .NO

Information deployment and notification: Regularly Notices have been displayed on ERP if needed to inform the user time to time.

Download: Yes, download facility is made available for the students.

Printing: Yes, Printing facility is made available.

Reading list/ Bibliography compilation: Electronically available.

In-house/remote access to e-resources: Available.

User Orientation and awareness: First year students and direct second year admitted students are being commonly called and are given information regarding how to use OPAC and are made aware about the facilities, rules and regulations of the library.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

Library staff helps the students and teachers in case of difficulty in getting the books.

- Orientation
- OPAC service
- Use of Videos/ e-books
- Displaying of New arrivals
- Selection of books based on content need
- Provide the Library data/ Resource.

Also, the arrival of new books is informed to all departments through OPAC search. In addition to this, different websites for accessing and downloading the research papers, e-books to students as well as staff are provided. Orientation and awareness programmes are arranged for students as well as staff regarding accessing e-resources, OPAC, video lectures and e-books.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details:

- Library staff members help the physically challenged person for getting the books.
- Wheel chair/ Support for ease of access.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the

Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

- Yes, Feedback form is taken ones in an academic year.
- Library gets the feedback from the users. feedback form is examined by the advisory committee and corrective measures are taken order to improve the existing system

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- **Number of computers with Configuration (provide actual number with exact configuration of each available system).**
- **Computer-student ratio**
- **Standalone facility**
- **LAN facility**
- **Wi-Fi facility**
- **Licensed software**
- **Number of nodes/ computers with Internet facility.**
- **Any other**

Table 4.3.1 Details of computing facility

Sr.no	Name of the Department	No of P-IV/Latest Configuration			Peripherals	Licensed Software Count	Server
		UG	LAPTOP	PG			
1	Mechanical Engg	67	03	28	09	12	01
2	Civil Engg	42	02	24	03	05	-
3	Computer Engg	116	5	-	23	27	4
4	Information Technology	118	02	-	16	06	-
5	Electronics and telecommunication	68	02	-	09	04	01
6	MBA	-	01	55	13	-	-
7	Engineering Science	65	01	-	-	-	-
8	Instrumentation and control and Engineering	60	02	-	-	-	-
9	MCA	-	02	20	07	-	-
10	library	33	-	-	-	-	-
11	Administrative Office	33	3		19	3	

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- BSNL 155 Mbps leased line (1:1) Internet facility is available at the campus.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- The institute has adequate IT infrastructure.
- The institute has router facility which is used for internet leased line connectivity.
- Institution always keeps track on changing technology and the change or addition of the infrastructure is made available accordingly.

IT Service Management

- Service engineers are appointed for providing various services.
- Communication services LAN network, Wi-Fi connectivity.
- Provide maintenance to IT Infrastructure.

Information Security

Most of the computers are equipped with antivirus software Quick heals. And we also use open source software like Linux/Ubuntu etc. are used to provide information security.

Network Security

Sonic wall NSA2400 firewall is used to provide access and authority to users.

4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Table 4.3.4.(A) Details of the Budget

Sr. No	Particulars	At actual	Budgeted 2013-14	Budgeted 2014-15	Budgeted 2015-16	Budgeted 2016-17
1	Computer	33895371	10575760	5939601	17240945	139065
2	Computer software	2219367	617252	858323	679499	64293
3	Computer repairs and maintenance	1013619	220854	283463	440047	69255
	Total	37128357	11413866	7081387	18360491	272613

Table 4.3.4.(B) Details of expenditure

Sr. No	Year	Budget	Expenditure
1	2013-14	12000000.00	11413866.00
2	2014-15	7500000.00	7081387.00
3	2015-16	20000000.00	18360491.00

4	2016-17	300000.00	272613.00
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4.3.5 How does the Institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?

Table 4.3.5 Details of ICT resources

Sr. No	Particulars	Yes/ No
1	CCTV Security System	Yes
2	LCD Projectors in classrooms	Yes
3	Audio-Video Room	Yes
4	Virtual Classrooms	Yes

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching-learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the Center of teaching learning process and render the role of a facilitator for the teacher.

Class rooms are equipped with LCD projectors and internet facility. Facilitator demonstrates the lecture and also explains the practical with help of live demo. Some online videos are shown by the facilitator to explain the topic with more ease of understanding to the students. i.e. the lecture become more impressive, interactive and understandable with the help of ICT Techniques.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Yes the institution is Remote Center of IIT Bombay through which various workshops and seminars are conducted for the faculty members for enhancement of their knowledge and skill.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

- a. Building
- b. Furniture
- c. Equipment
- d. Computers
- e. Vehicles
- f. Any other

Table 4.4.1 Details of Maintenance

Year	Total cost in Lakhs				Any other	
	Building	Furniture	Equipment	Vehicle	Maintenance	Consumable in thousand

2013-14	28.68	0.67	4.73	4.06	00.00	00.00
2014-15	8.17	4.69	12.82	3.89	00.00	00.00
2015-16	1.76	2.96	3.28	1.67	00.00	00.00
2016-17	00.00	00.00	6.57	1.01	00.00	00.00

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- Institute provides an In-house maintenance team to maintain the equipment's.
- Various services are taken in case of emergency from the outside service provider e.g.multinet computers pvt.ltd for computer equipment's
- Housekeeping ladies are appointed on daily wages for cleaning of the campus.
- Water tanks are cleaned periodically

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

The frequencies of calibration of the equipment/ instruments are done on basis of “as and when needed “and as per the norms and standard basis.

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

- Computer server room is providing with air conditioning.
- Alternative arrangement of water supply is made for the constant supply of water in the campus.
- Generator (75 KVA) is kept at safe location in the campus and is maintained periodically.
- Fire security system is installed for security purposes.



Fig 4.4.4.(A) Air condition at server room



Fig 4.4.4.(B) Generator at safe location

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 STUDENT MENTORING AND SUPPORT

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

- Yes, Institute publishes prospectus/ leaflet every year pertaining to the information about Maratha Vidya Prasarak Samaj's pioneers and board of directors.
- It gives the information regarding to the establishment of KBT COE unit
- The Prospectus / leaflet foremost state the Vision and Mission of the institute.
- It contains the information about infrastructural facilities available in campus.
- It provides information regarding the courses offered by institute, its year of commencement, intake capacity.
- It also provides information regarding admission procedure, eligibility as per DTE.
- It provides the information about student's achievements other than academics and excellence of student in university exams.
- Department wise information about faculty achievements, number of books published, a number of papers published, and research grant received and university toppers in the department etc. is published in the prospectus.
- Sample copy of leaflet is shown in fig no 5.1.1

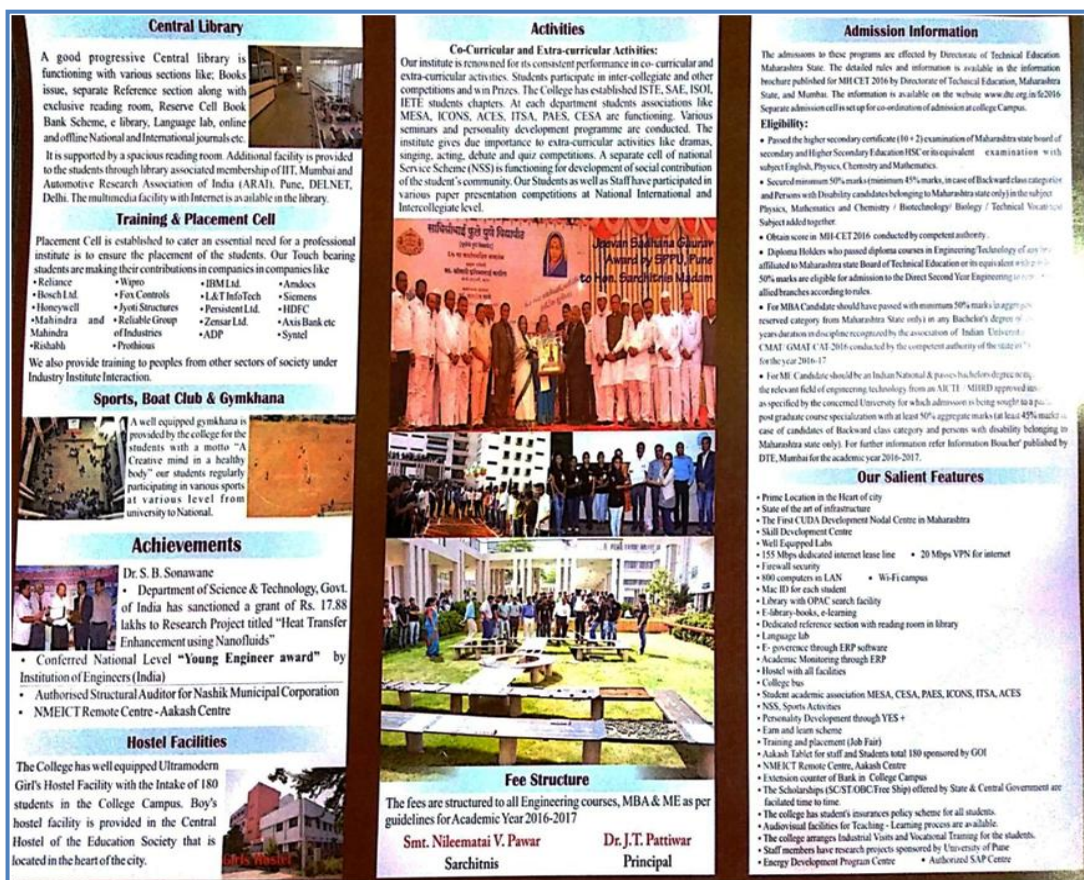


Fig 5.1.1 Institute leaflet photo

5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

1- Academic Scholarship

- Institute does not provide such scholarship however scholarship and free ship which are given by state/ central government on the basis of parental annual income and based on reservation policies of the government and GATE scholarships.
- Institute also implement 'Earn and Learn Scheme' as per the guidelines of SPPU for the students.
- The information regarding filling of scholarship form and necessary information is notified to the students through HOD's and Mentor.
- The scholarship section helps to students and ensures that all students have filled the scholarship forms and scholarship amount is disbursed from time to time.

Table 5.1.2 (A) Free ships and Scholarship given by state/ central government

Academic year	Free ship /scholarship category and merit wise									
	SC	ST	OB C	VJ/N T	SB C	EB C	TFW S	Minority	GAT E	Total
2016 - 2017	NA	NA	NA	NA	NA	NA	19	13	06	38
2015 - 2016	199	71	701	184	22	180	19	15	03	1390
2014 - 2015	163	73	551	169	21	164	19	15	NA	1172
2013 - 2014	187	68	615	161	19	175	19	-	NA	1244

Table 5.1.2 (B) Earn and learn scheme benefited student as follows

Sr.No	Academic year	No. of student benefited
1	2016-2017	NA
2	2015-2016	06
3	2014-2015	07
4	2013-2014	08

2 Assistance for books:- The book bank facility is provided to the students by library.

Table 5.1.2 (C) Book bank facility

Sr. No	Academic year	Number of student
1	2016-2017	70
2	2015-2016	85
3	2014-2015	81
4	2013-2014	73

3. Economical weak section:

Yes our institute provides the scholarship in monetary form to students through the following schemes

- a) Rajarshi Chhatrapati Shahu Maharaj scholarship: - This scholarship is given to those students who are economically weak and not get any financial assistance from any other agencies.
- b) Women Education Scholarship:- Institute offer this scholarship for tribal and economically backward girls in the name of Ramabai Ambedkar, Ahilyabai Holkar, Bhinabai Choudhri, Venutai Chavan, Savitribai Phule and Ramabai Ranade

5.1.3 What percentage of students receives financial assistance from state government/ Central government and other national agencies?

The institute has facilitates the students to receive financial assistance from state and central Government based on category, EBC as per guidelines of State/ Central government The details are as below.

Table 5.1.4 Percentage of student taking scholarship

Sr. No.	Year	Total No. of Students	State Government		Central Government	
			Number of student	Percentage	Number of student	Percentage
1	2016-17	2037	NA	NA	06	0.29
2	2015-16	2293	1387	60.48	03	0.13
3	2014-15	2265	1172	51.71	NA	NA
4	2013-14	2303	1244	54.02	NA	NA

5.1.4 What are the specific support services/facilities available for?

a. Students from SC/ST, OBC and economically weaker sections

- **Scholarship:** - The institute guides the students from SC/ST, OBC & EBC student to get the benefit of scholarship from government as per the guide lines laid down by the State/ Central government.
- **Book bank facility:** - Institute provides a book bank facility for student from SC/ST, OBC & EBC category through the central library during their academic year.

- **Free ship:** - The institute guides the student from SC/ST, OBC & EBC Category to apply for free ship. The institute keeps the follow up of free ship amount to be deposited in their account.
- b. Students with physical disabilities**
- Ramps are provided in campus at entry level of college, passages, stairs for easy access of physical handicapped students.
 - Lifts with lift man is provided to physically handicapped student for easy circulation from one floor to another floor to reach their classroom and laboratories.
 - Toilets are also provided to Physically handicapped students for their convenience.
 - Physically handicapped student are allowed to use their wheel chair in institute campus and class room.
 - In theory examination conducted by SPPU extra time for writing is given to such student as per guidelines of SPPU.
 - Institute gives admission to such student as per the guidelines by State/Central government.
 - Classroom for such student can be allocated at ground floor.
- c. Overseas students:** - For overseas student institute does not have special quota.

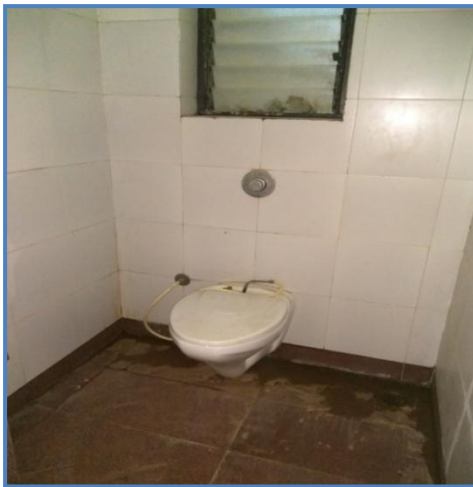


Fig 5.1.2 Facilities for Physically disabled student

d. Students to participate in various competitions/National and International

- The institute encourages the student to participate in various competitions on state, national level such as Avishkar, Baja, IIT- tech fest, Force, etc.
- The institute provides financial support for expenses such as TA/DA if selected for state or national level.
- Faculty guides and encourages the student to participate in competition, paper presentation, workshops, etc. which helps student to build

confidence, presentation skill, team spirit etc. which enhances students over all development.

- Institute also conduct annual gathering “FUSION” to show the skills of student other than academics such as drama, singing, art etc. Departments also conduct technical event which provides a platform for student to develop management skill such as event management, Marketing Skills, financial management and technical skills which helps them to become techno commercial. It also helps in preparedness plan to participate in technical event which are conducted in other institutes.

e. Medical assistance to students: health centre, health insurance etc.

The institute provides various medical assistance for students such as

- Institute has done insurance for each student which has coverage against Accident and educational insurance is also provided to student in case their parents met with an accident which may be cause of death or partial disablement results in to source of finance is stopped for such student will continue their education and fees will be paid from insurance.
- The medical college of our sanstha, Dr. Vasantrao Pawar Medical college and hospital Nashik provides the facility of medical check-up after admitting in institute to check the medical fitness.
- Emergency first aid facility is also provided in campus.
- Clinic facility is also provided for student at various locations decided by sanstha.
- Girl’s common room is provided in campus with necessary facility.

f. Organizing coaching classes for competitive exams

- In the competitive world student appeared for various competitive exams like UPSC, MPSC, IES etc. after or during their graduation while few appear for GRE, GMAT,GATE,CAT etc entrance exam for higher studies.
- To qualify in such exam institute provides a sincere support in the form of guidance and encouraging the student for appearing in exam by faculty.
- Experts Training sessions are arranged for final year students by institute or department.

g. Skill development (spoken English, computer literacy,etc.)

- Institute organises expert talk/ session for personality, skill development etc. of students.
- Institute has well equipped laboratories.
- Sanstha has an English academy, which guides the student and faculty for learning English.
- Institute arranges software training sessions for students to software skill.

h. Support for “slow learners”

- The Mentor takes care of slow learner by counselling/guiding to them and finding effective solutions for improvisation of those students.
- The model answer sheet of SPPU question paper is provided by respective subject faculty to improve their technique of writing and eliminating the mistakes in university question paper.
- Probable questionnaires for oral examination are provided by the respective subject teachers to student.
- The Mock oral are also conducted before final SPPU oral/ Practical exam which helps to face oral examination confidently.

i. Exposure of students to other Institution of higher learning /corporate /business house etc.

- Institute/ department arranges industrial visits to understand modern techniques, trends, equipment's, process of work, etc.
- Industry visit helps the student in better understanding of academic with guidance of Industry person/ Engineer.
- Faculty encourages the student to carry out their final year projects in collaboration with industry.
- Students learn corporate etiquettes during industrial visit.
- Faculty encourages the student to participate in various national and international competitions.

j. Publication of student magazines

- The institute publishes magazine “Abhivyakti” every academic year which includes appreciation of students for their achievements in various activities.
- Abhivyakti contains various sections and representatives are selected for each section among the students.
- It provides the platform for student to publish their literacy, art, and technical articles.
- It helps students to come up with new ideas and thinks creatively. This ultimately enhances the skill of the students.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts?

- The institute provides various sessions on employment development to incorporate the entrepreneurial skills in the students.
- To facilitate the entrepreneurship skill the ED cell is established by institute which includes training sessions by various successful entrepreneurs.
- **Impact** the student after completion of graduation enters in the world of business/ corporate and to survive in this professional world these skills are essential.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co- curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- **Additional academic support, flexibility in examinations**
- **Special dietary requirements, sports uniform and materials**
- **Any other**

For overall development of student the following strategy is adopted by the institute.

- To compensate academic loss special session for such student is carried out.
- Institute encourages to participate in various activities of their interest.
- The institute provides financial assistance for TA/DA.
- Student participating in events will be treated on Leave.
- As per rule the University to grant 10 marks for notable participation for two years in NSS activities in final year examination which was granted.
- Institute provides sports kit and sports material to students who participate in International, State or National, Lead College, Zonal, Inter-zonal, All India Inter University Tournament, for different types of Games and Sports. Institute gives Track Suits for University Players (selected as Member of Pune University Team) and also Medal winners.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET,GATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defence, Civil Services, etc.

Students are encouraged to prepare by faculty for various competitive exams. Soft copy of question bank for GATE is also maintained in the library. GATE forum conducts the session for students who are appearing for GATE exam. The students who opted for higher studies and not opting for campus placement are undergoing in a different competitive exams such as CAT / GRE / TOFEL / GMAT / Central /State services, Defence Services, Civil Services, etc.

Table 5.1.7 Students success in various competitive exam

Sr. No	Year	GATE	CAT/ GRE	GMAT /TOFEL	PGCET	MPSC	ZP/ BMC	Total
1	2016- 17	NA	NA	NA	NA	NA	NA	NA
2	2015 -16	06	02	05	NIL	NIL	NIL	13
3	2014-15	05	07	06	NIL	04	02	24
4	2013-14	10	03	04	NIL	02	NIL	19

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc?)

- **Mentor:-** The mentoring scheme is implemented by institute to look after the each student for any problem faced by the student in his entire academic period the mentoring scheme is as follows
 - To distribute the student among the staff of respective department after admitting in institute.

- Monthly meetings are conducted by the mentor with the students to discuss academic performance, progress and personal problem of the allotted students
- Mentor maintains all the records related to the academic performance and extracurricular achievement for allotted to student.
- Mentors render guides in studies, career planning and also address personal and psycho social issues.
- Mentors also contributes for career guidance of external school students.
- **Career -TPO: -**
 - Training and placement officer conducts meeting with the mentor regarding counselling for future career of students.
- **Professional Mentor:-**
 - Professional mentor conducts various activities such as brain storming, group discussion, soft skill development, etc.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

- The institute has structured mechanism under the guidance of principal and training and placement officer in coordination with departmental TPO guides the student regarding training and placement.
- A dedicated training and placement cell works to benefit of student thorough out the year.
- TPO also arranges Pre-admission counselling for student who are planning for higher studies in abroad.

The details of Training and placement is tabulated as below

Table 5.1.9 Student placement

Sr. No	Name of Department	Academic year			
		2013-14	2014-15	2015-16	2016-17
		No	No	No	No
1	Mechanical	07	12	13	07
2	Computer	11	12	21	02
3	E & Tc	05	11	08	01
4	Instrumentation & Control	01	05	07	-
5	IT	07	09	11	04
6	Civil	-	-	03	-
7	MBA	05	09	21	01
8	MCA	-	01-	--	--

Table 5.1. 7 List of Employers

Sr. No.	Company Name	Sr. No.	Company Name
1	Infosys Ltd	20	Indian Oil nashik
2	Mahindra and Mahindra Ltd. Nashik	21	Mphasis
3	TCS	22	Amazon(I) Ltd
4	Bridgestone Ltd.	23	Syntel
5	Persistent Computer System Ltd.	24	FACE
6	Zensar Ltd	25	Saama Technologies Ltd
7	L&T Infotech Ltd	26	Ukay Metals
8	Eternus Solutions Ltd.	27	Anix Ltd
9	Rishabh Instruments Ltd.	28	Bosch Ltd
10	Softenger	29	CMS Ltd
11	Triveni Turbines Ltd.	30	AGS Transact Technologies
12	Aress Software Ltd.	31	Prompeii
13	Armstrong machine Builders Pvt Ltd	32	Digite Infotech Ltd
14	XL Dynamics Ltd.	33	Winjit Technologies
15	Technoforce Ltd	34	Glaxo Smithkine
16	ACE solutions Ltd	35	Mylan
17	Netwin infoystems Ltd.	36	Prothious Ltd
18	Datamatics Ltd	37	Capgemini
19	Quickheal Ltd		

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Yes, institute has student grievance redressal cell which actively interact with the student to sort their grievances. The students committee is as follows

Table 5.1.10 (A) Student Committee

Sr. No	Committee Member	Designation	Name of Department
1	Prof. Dr. Kailas S. Holkar	Principal	Instrumentation & Control Engineering
2	Prof. Dr. Nanasaheb S. Patil	Vice-Principal	Instrumentation & Control Engineering

3	Prof. Balasaheb J. Pawar	Dean_Student Affairs	E & Tc Engineering
4	Prof. Vishal V. Shinde	Member	Mechanical Engineering
5	Prof. Sopan A. Talekar	Member	Computer Engineering
6	Prof. Dr. Krishndeo T. Patil	Member	Civil Engineering
7	Prof. Ashwini K. Patil	Member	Instrumentation & Control Engineering
8	Prof. Arvind P. Meshram	Member	E & TC Engineering
9	Prof. Tejaswini S. Pawar	Member	Information Technology
10	Prof. Laxmikant C. Sontakke	Member	MBA
11	Prof. Nayana R. Kakad	Member	MCA

Table 5.1.10 (B) Details of Number of Grievance Redressed are as follows

Sr. No.	Year	No. of Grievance Reported	No. of grievance Redressed
1	2016-17	Nil	Nil
2	2015-16	Nil	Nil
3	2014-15	Nil	Nil
4	2013-14	Nil	Nil

Mandate: Student grievance redressal cell works as per the guidelines of AICTE/UGC/SPPU.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

Institute has women's grievance cell which take care of safety and dignity of the women the committee is headed by a senior lady professor. Institution takes necessary steps if the incidents pertaining to sexual harassment require the intervention of the law. Till date no such case of sexual harassment has been reported in college.

Table 5.1.11 (A) Women's Redressal cell Members

Sr. No	Name	Department	Designation
1	Mrs. Vanita Deshmukh	Secretary of yashoda samjick vikas sanstha	NGO Representative
2	Prof. V.S. Tidake	Computer	Presiding officer
3	Prof. R. R. Tajanpure	Computer	Member
4	Prof. S. P. Jadhav	Information technology	Member
5	Prof. M. C. Aher	Civil	Member

6	Mr. Sandip patil	Instrumentation and control	Member
7	Ms.Salade Sonali	MBA	Member
8	Mrs. Gite Kiran	Office	Member
9	Rane chaitrali yuraj	MCA/ (SE)	Student Member
10	Pradhan Sonali G	Mechanical/ (BE)	Student Member
11	Choudhri Unnati Kiran	E& Tc/ (TE)	Student Member

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The institute has anti-ragging committee is headed by Principal and all HODs are Members of the committee. In institute no case is reported till date. The anti-ragging committee is formed as per the rules and regulations of AICTE / UGC / DTE/ SPPU. Cell numbers of anti-ragging committee are made available to all the students.

Table 5.1.12 Anti-Ragging Committee: 2016-17

Sr. No.	Name	Designation	Position	Contact No.
1	Prof. Dr. Kailas S. Holkar	Principal	Chairman	9822379056
2	Mr. Hansraj C. Patil	Tahasildar	Member Civil Administration	9421177673
3	Mr. M. S. Divekar	Police Inspector, Nashik	Member Police Administration	8975566100
4	Mr. Arun Malani	Journalist Dainik Sakal, Nashik	Member Local Media	9175185333
5	Mrs. Vanita Deshamukh	Yashodha Samajik Vikas Sanstha, Nashik	Member Non Govt. Organisation	9923369363
6	Mr. Ravindra B. Patil	Parent	Member	9850044651
7	Prof. Balasaheb J. Pawar	Asst. Prof. & Dean Student Affairs	Member	7588012633
8	Prof. Ashwini K. Patil	Asst. Prof. & Chief Warden (Girl's Hostel)	Member	9403709298
9	Mrs. Poonam B. Sonawane	Asst. Prof.	Member	9604540206
10	Mrs. Sunita V.Khairnar	Rector Girls Hostel	Member	9403515534

11	Mr. Sandip R. Patil	Technical Assistant	Member	9850974189
12	Ms. Chaitali Y Rane	Student S.Y	Member	9421742207
13	Mr. Devendra Suryawanshi	Student F. Y.	Member	9881331054
14	Ms. Pranjal Darekar	Student T E	Member	7875191385
15	Mr. Akash Rathod	Student S.E	Member	8390468696
16	Mr. Ojas S. Joshi	Student F.E.	Member	8237315958

Table 5.1.12 Anti-Ragging Squad Committee: 2016-17

Sr. No.	Name	Designation	Position	Contact No.
1.	Dr. Kailas S. Holkar	Principal	Chairman	9822379056
2.	Prof. Balasaheb J. Pawar	Asst. Prof. & Dean Student Affairs	Member	7588012633
3.	Prof. Jyoti J. Nerkar	Asst. Prof.	Member	9970623735
4.	Prof. Dr. Krishnadeo T. Patil	Asst. Prof.	Member	8793275694
5.	Dr. S. R. Pachorkar	Asso. Prof.	Member	9822840601
6.	Prof. Priti V. Shinde	Asst. Prof.	Member	9423584181
7.	Prof. Santosh P. Jadhav	Asst. Prof.	Member	8007499799
8.	Prof. Sandeep N. Palhe	Asst. Prof.	Member	8983084176
9.	Prof. Shailesh M. Yawalkar	Asst. Prof.	Member	9403233944

5.1.13 Enumerate the welfare schemes made available to students by the institution.

Welfare schemes available to students in the institute are as follow:

1. Earn and learn Scheme
2. National service scheme
3. Student group insurance scheme
4. Book Bank
5. Hostel for girls

5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?

Yes

- Institute has registered alumni association registration no Maharashtra /8854 /2004/ Nashik dated 29/09/2004.
- Every year in annual function institute invites the alumni and their suggestion for development are taken in consideration. Alumni meet is conducted and their feedbacks are taken.
- As every alumni is an asset for the institute and their suggestions are always considered for development of institute.
- The Alumni who are succeeding and working on various higher posts in government /corporate/An Entrepreneur are always invited for various sessions as a expert / Examiner for Final year exams.
- The institute also approaches the alumni who are searching for jobs during campus drive conducted at our institute.
- The institute offers the software training of SAP for alumni too.

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlights the trends observed.

Student progression is tabulated and shown in table 5.2.1

Table no 5.2.1 Student Progression

Student Progression	Branch	Student progression (%)			
		2016-17	2015-16	2014-15	2013-14
UG to PG Similarly	Mechanical	NA	1.58	13.70	9.77
	Civil	NA	25	31.66	16.67
	Computer	NA	1.81	9.41	10
	Information technology	NA	Nil	13.69	9.52
	Electronics and telecommunication	NA	5.32	10.63	8.69
	Instrumentation and control	NA	00	13.20	1.72
Employed Campus	Mechanical	NA	4.76	9.67	4.86
	Civil	NA	3.33	Nil	Nil
	Computer	NA	25.3	12.94	15.70
	Information technology	NA	10.95	6.84	9.52
	Electronics and telecommunication	NA	Nil	Nil	Nil
	Instrumentation and control	NA	12.28	9.43	1.72

Employed Other than Campus recruitment	Mechanical	NA	10.58	19.34	35.63
	Civil	NA	10	20	38.33
	Computer	NA	13.25	15.29	37.14
	Information technology	NA	1.35	12.32	23.80
	Electronics and telecommunication	NA	Nil	Nil	Nil
	Instrumentation and control	NA	14.03	28.30	31.0
PG to Ph.D	Mechanical	NA	Nil	Nil	Nil
	Civil	NA	01	Nil	Nil
	Computer	NA	Nil	Nil	Nil
	Information technology	NA	Nil	Nil	Nil
	Electronics and telecommunication	NA	Nil	Nil	Nil
	Instrumentation and control	NA	Nil	Nil	Nil

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district

Table 5.2.2 Programme wise Pass percentage and completion rate for last four years

Sr. No.	Branch	Result in Percentage (%)			
		2016-17	2015-16	2014-15	2013-14
1	Mechanical engineering	NA	68.84	95.12	88.20
2	Civil engineering	NA	91.20	97.18	98.38
3	Computer	NA	92.30	98.67	92.42
4	Information technology	NA	94.59	98.63	98.41
5	Electronics & telecommunication	NA	94.66	97.36	85.71
6	Instrumentation and control	NA	71.42	93.03	89.83
7	Master in business administration	NA	94.44	91.23	85.71
8	Master of Computer Applications	NA	98.59	96.05	92.59
9	M. E. Mechanical engineering	NA	87.50	83.33	66.66
10	M. E. Civil Engineering	NA	100	100	100

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- The institution facilitates student progression to higher level of education and towards employment through T & P department.
- The institute cooperate with students those applying abroad for the higher studies.
- The institute take care of students to get their transcripts and recommendation letters with priority to facilitate the process of admission.
- The institute arranges special lecture on soft skill, technical, aptitude, mock interview, group discussion and personality development to shape the students for facing the professional world.
- The institute also guides the students to appear for exams such as GATE, GMAT, CAT, etc.

The institute arranges the curricular enrichment program for students as follows.

Table 5.2.3 Curricular enrichment programme

Department	Title of Programme	Year	No. of participant
Mechanical	Higher Education in foreign universities	2014	60
	Higher Education in foreign universities	2015	60
	Higher Education in Germany	2015	100
	Higher Education in Germany	2014	114
MCA	Workshop on Advance java	2016	17
	UI Designing Sessions	2016	17
	Software testing Sessions	2016	17
	Virtual Reality Sessions	2015	50
MCA	IOT Interactive Sessions	2015	51
	Web Development in PHP Sessions	2015	50
	.NET Sessions	2015	40
	Basics of Web Development	2015	17
	Google Apps Workshop	2013	55
IT	Android App Development	2016	137
	Big data & Hadoop	2016	75
	Soft Skill session	2016	56
Computer	Applied CS with Android workshop	2016	30
	DST workshop on Entrepreneurship Development	2016	15
	One day workshop on Python	2016	120
	Hadoop-Big data workshop	2015	71
Civil	Entrepreneurship Development	2016	200
	View towards the life	2016	200
	MSP Software Training	2015	24
	ERP Software Training	2015	50
	Auto-CAD Software Training	2015	100
	Water Audit Course	2015	80
	ERP Software Training	2013	80
Instru.	5 Days training on Automation Using PLC,SCADA	2016	28

& Control	Six Days STTP on “C” Programming	2016	11
E& TC	Workshop on “Automation Technology Covers PLC & SCADA”	2016	46
	Traffic Awareness Training Program at Children Traffic Education Park ,	2016	78
	Workshop on “Electronics Products”	2016	151
	Workshop on “ C Programming”	2016	37
	Visit at Dharampur Science Center, Gujrat.	2016	70
	Workshop on Embedded System	2016	81
	VLSI workshop	2016	56
	Workshop on “ Personality Development”	2015	59
	Workshop on “ Ardino Procesor ,Latex ,PCB Design”	2015	62
	Workshop on “ Personality Development”	2014	10
	AICTE –BSNL Employability Enhancement Program	2014	30
	Automation System	2014	47
	Workshop on “ Personal Power	2014	74
	Power of MBA	2014	127
	Emotional Freedom Technique EFT	2014	118
	Campus to Corporate	2013	129
	Etiquette & Manners	2013	130
	Workshop on “Practical Oriented Electronics Workshop on Industrial Approach For Electronics	2013	68
	How to Crack GATE	2013	66
	How to Crack GATE & CAT	2013	67
Practical Orientation on Industrial Approach For Electronics	2013	148	
Personality Development	2013	80	
MBA	Soft Skill Development By Nandita Ray	2013	60
	Soft Skill Development By Neeta Nigam	2014	60
	Inbound Training Program by AryaHycinth	2014	60
	03-Days Outbound Training Program by Arya Hycinth	2015	20
	Soft Skill Development By Gordon Sir	2015	60
	One Day-Outbound Training Programme by Shubhangi Kundalkar & Gordon Noronha	2015	60
	Inbound Training Program by Arya Hycinth	2015	60
	One Day-Outbound Training Programme by Gordon Noronha	2016	60
	Inbound Training Program by Arya Hycinth	2016	60

	Soft Skill Development By Gordon Noronha	2016	60
Institute	Zensar Training	2016	48
	Entrepreneurship Awareness Camp	2014	10
	Entrepreneurship Awareness Camp	2016	10
	Zensar Training	2015	45
	Entrepreneurship Awareness Camp	2016	15
	Big data and Hadoop	2016	77

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

The Mentoring system helps to identify the student who is at risk of failure. The student who is failing in the subject is allowed to attend the lecture of the respective subject in next year

- Counselling by mentor.
- Assignments.
- Remedial Classes.
- Extra classes for theory
- Personal care.
- Notes and solved question paper given for ready reference

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar

Table 5.3.1 (A) Outdoor games

Sr. No.	Name of Sports/Games	Equipment
1	Cricket	Cricket Mat, Net, Helmet, Cricket Bat Match, Cricket Bat Practice, Batting Gloves, Abdominal Guards, Kit Bag, Wicket Keeper Gloves, Stump, Batting Thigh Pad, Elbow Guard, Leather Ball, Wicket Keeper Thigh Pad, Helmet, Session Ball
2	Volleyball	Volleyball Pole Set, Volleyball Net, Volleyball
3	Basketball	Basketball Pole Set (Movable With Acrylic Board), Basket Ball
4	Lawn Tennis	Lawn Tennis Pole Set, Tennis Racket, Tennis Ball,
5	Athletic	Hammer Throw, Hammer Belt, Javelin Men, Javelin Women, Shot Put Men, Shot Put Women, Discuss Men, Discuss Women,
6	Baseball	Baseball Slugger, Baseball Gloves, Base Ball
7	Softball	Softball Slugger, Gloves, Soft Ball
8	Kabaddi	Marking Tape

9	Football	Football Goal Post, Football
10	Handball	Handball

Table 5.3.1 (B) Indoor games

Sr. No.	Name of Sports/Games	Equipment
1	Water Polo	Water Polo Ball
2	Badminton	Badminton Pole, Badminton Racket, Badminton Shuttle, Badminton Net
3	Boxing	Boxing Gloves, Boxing Head Guard, Boxing Teeth Guard
4	Chess	Chess Set
5	Carom	Carom Board, Carom Gits, Carom Power
6	Table Tennis	Table Tennis Table, Table Tennis Racket, Table Tennis Ball, Table Tennis Net

Table 5.3.1 (C) List of Sports and Games with students participation detail are listed below

Sr. No	Name of Sport	Date	Place/Region	Achievement/ Participation	No. of Students
Academic year 2016-17 (Till Date on 24.11.2016)					
1	Table Tennis (Men)	01/08/2016	Sir Visvesvaraya Institute of Technology, Chincholi, Nashik	Burkule Ishan Avinash has selected for reserve in zonal team	05
2	Table Tennis (Women)	01/08/2016	Sir Visvesvaraya Institute of Technology, Chincholi, Nashik	Bhagat Sandhya Sharvan is selected for reserve in zonal team	03
3	Archery (Women)	20/08/2016	N.D.M.V.P. Samajs K.T.H.M. College, Nashik	Thete Punam Manohar his Selected in recover round event for zonal sports but he not reported	01
4	Coneing (Women)	20/08/2016	N.D.M.V.P. Samajs K.T.H.M.	Kardile Rutuja Jitendra his Selected in	01

			College, Nashik	canoeing C1 500M event for zonal sports but he not reported	
5	Swimming, Diving & Water Polo (Men)	18/08/ 2016	Veer Savarkar Swimming Pool, Nashik (N.D.M.V.P. Samajs K.B.G.T. College of Engineering, Nashik)	Patil Shivam Sudhir has Selected in Swimming 50 M Breast Stork event & Water Polo for zonal level sports competition Gite Aniket Ramchandra has Selected in Diving 1 Meter event for zonal level sports competition Deore Kapil Sanjay has Selected in Water Polo for zonal level sports competition Kalal Malhar Rajendra has Selected in Water Polo for zonal level sports competition Bauskar Akshay Ashok has Selected in Swimming 200 M Butter Fly event for zonal level sports competition Gawande Mayur Dyaneshwar has Selected in Swimming 200	08

				M Butter Fly event for zonal level sports competition	
6	Badminton (Men)	20 August 2016	Minatai Thakare Stadium Nasik. (C.B.C. College, Nasik Road)	Participation	05
7	Chess (Men)	1 to 3 September 2016	SNJB Pharmacy College, Chandwad	Participation	05
8	Kabaddi (Men)	10 September 2016	MGV ACS College, Manmad, Dist- Nashik	Participation	12
9	Kho-Kho (Women)	13 September 2016	MVP'S K.R.T. Art's & Commerce College, Vani, Dist- Nashik	Aware Sonali Madhukar his Selected in kho-kho team for zonal level sports competition	03 (For Selection Trials)
10	Boxing (Men)	16 September 2016	S.N.J.B. ASC College, Chandwad, Dist- Nashik	Patil Krishna Arun has Selected in boxing 75 to 81 kg weight categories for zonal level sports competition	04
11	Cricket (Men)	17 September 2016	CBC College Nashik Road	Participation	16
12	Baseball (Men)	27 September 2016	N.V.P. MANDAL'S ACS College, Lasalgaon	Participation	14
13	Kho-Kho (Men)	29 September 2016	L.V.H. ACS College Panchavati, Nasik.	Participation	01 (for selection trail)

14	Judo (Men)	6 Oct. 2016	Shivaji Stadium (K.P.G. ACS College Igatpuri, Nasik.)	Participation	01
15	Yogasana (Women)	15 Oct. 2016	N.S.P.Ma ndal's LBRD Mahila College, Nashik Road, Nasik	Raut Shweta Prakash his Selected in yogasana team for zonal level sports competition	03
16	Athletics (Men)	20 & 21 Oct. 2016	Meenatai Thakare Stadium , Nasik	Participation in hammer throw event	01
Academic year 2015-16					
1	Swimming, Diving & Water Polo (Men)	08.08.2015	Veer Savarkar Swimming Pool, Nashik. (BYK College, Nashik)	Fartale Jayesh Ambadas has Selected in water polo team for all india inter university sports competition	10
				Deore Kapil Sanjay has Selected in water polo team for zonal level sports competition	
2	Swimming (Women)	08.08.2015	Veer Savarkar Swimming Pool, Nashik. (BYK College, Nashik)	Deore Kapil Sanjay his Selected in swimming team for zonal level sports competition	01
3	Table Tennis (Men)	17.08.2015	KKW College of Engineering, Nashik	Runner up team	05
4	Archery (Women)	15.09.2015	N.D.M.V.P. Samajs K.T.H.M. College, Nashik.	Thete Punam Manohar his Selected in archery team in recover round event for zonal	01

				level sports competition	
5	Lawn Tennis (Women)	16.09.2015	C.B.C. College, Nashik Road, Nashik	Lokhande Ruchita Vijay his Selected in lawn tennis team for zonal level sports competition	01
6	Badminton (Men)	04.09.2015	R.H. Sapat College of Engineering, Nashik	Participation	05
7	Badminton (Women)	04.09.2015	R.H. Sapat College of Engineering, Nashik	Participation	05
8	Volleyball (Men)	09 & 10.09.2015	MVP'S K.S.K.W. College, Cidco, Nashik.	Participation	10
9	Kabaddi (Men)	07 & 08.09.2015	MGV ACS College, Manmad, Dist-Nashik	Participation	11
10	Boxing (Men)	11.09.2015	M.G.V. ACS College, Malegaon, Nashik	Chothave pratik rajendra his Selected in boxing team for zonal level sports competition	02
				Patil Shailesh Tukaram his Selected in boxing team for zonal level sports competition	
11	Cricket (Men)	24.09.2015	HPT & RYK College, Nashik	Participation	16
12	Athletics (Men &	06.10.2015	Meenatai Thakare Stadium , Nasik. (MVP	Lokare Harshali Vinayak his Selected in high	04

	Women)		Sinner College)	jump for zonal level sports competition	
				Rajule Vishal Subhash has Selected in hammer throw for zonal level sports competition	
13	Football (Men)	27.10.2015	KKW College of Engineering, Nashik	Participation	15
Academic year 2014-15					
1	Swimming, Diving & Water Polo (Men)	12 & 13.09.2014	Veer Savarkar Swimming Pool, Nashik. (D.S.M. Art's College, Abhona, Dist. Nashik)	Fartale Jayesh Ambadas has Selected in water polo team for zonal level & all india inter university sports competition	11
				Patil Shivam Sudhir has Selected in water polo & swimming team for zonal level sports competition	
				Potdar Kunal Girish has Selected in water polo team for zonal level sports competition	
2	Squash Racket (Men)	23.11.2014	C.B.C. College Nashik Road, Nashik	Participation	01
3	Table Tennis (Men)	16.08.2014	NDMVP' K.B.G.T. College of Engineering, Nashik	Participation	05
4	Badminton	17.09.2014	BYK College,	Participation	05

	(Men)		Nashik		
5	Kabaddi (Women)	18.09.2014	MVP'S Art's and Commerce College, Tryabakeshwar, Nashik	Participation	11
6	Cycling (Men & Women)	30.08.2014	M.G.V. ACS College, Harsul, Nashik	Participation	02
7	Cricket (Men)	30.09.2014	HPT & RYK College, Nashik	Participation	03 (selection trail)
8	Cross Country (Men)	27 & 28.08.2014	Dadasaheb Bidkar Art's and Commerce College, Peth, Nashik	Participation	03
9	Football (Men)	06.10.2014	S.V.I.T. College of Engineering, Chincholi, Nashik.	Singh Manish Binodkumar has Selected in football team for zonal level sports competition	15
Academic year 2013-14					
1	Swimming, Diving & Water Polo (Men)	28.08.2013	D.S.M. ACS College, Peth, Nashik	Patil Shivam Sudhir has Selected in water polo team for all India inter university sports competition	02
2	Volleyball (Men)	27 August 2013	ACS College, Kalwan, Nashik	Participation	09
3	Badminton (Men)	27.09.2013	BYK College, Nashik	Participation	04
4	Basketball (Men)	3 & 4 Sep. 2013	S.N.J.B. College of Engineering, Chincholi, Sinner Dist. Nashik	Participation	08
5	Athletics (Men)	25, 26 Oct. 2013	MVP'S ACS College, Sinner	Participation	05
6	Chess (Men)	06 to 08	MVP'S ACS	Participation	03

	& Women)	August 2013	College, Ozer		
7	Football (Men)	23 to 25 August 2013	KKW College of Engineering, Nashik	Shinde Bhushan has Selected in football team for SPPU Inter Group sports competition	15

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Table 5.3.2 Achievements of students

Sr No	Name of event	Department	Place/ Region	Level	Achievement	No. of Students
Academic year 2016-17						
1	Judo (M)	Mechanical	Triambakeshwar, Nashik	44 th Cadet and Junior State Judo championships 2016-17	Participant	1(Certificate Pending)
2	Table Tennis (M)	Mechanical	Sir Visvesvaraya Institute of Technology, Chincholi, Nashik	Inter Colligate Sports Competition	Selected for inter zonal competition in reserve players	01
3	Table Tennis (Women)	Mechanical	Sir Visvesvaraya Institute of Technology, Chincholi, Nashik	Inter Colligate Sports Competition	Selected for inter zonal competition in reserve players	01
4	Archery (Women)	MBA	N.D.M.V.P. Samajs K.T.H.M. College, Nashik	Inter Colligate Sports Competition	Selected for inter zonal competition but his not participated	01

5	Canoeing (Women)	Instrumentation & Control	N.D.M.V.P. Samajs K.T.H.M. College, Nashik	Inter Colligate Sports Competition	Selected for inter zonal competition but his not participated	01
6	Swimming, Diving & Water Polo (Men)	Mechanical	LBRD Mahila College, Nashik Road, Nashik	SPPU Inter Group sports competition	Participant	04
7	Swimming, Diving & Water Polo (Men)	Instrumentation & Control	LBRD Mahila College, Nashik Road, Nashik	SPPU Inter Group sports competition	Participant	01
8	Swimming, Diving & Water Polo (Men)	E&TC	LBRD Mahila College, Nashik Road, Nashik	SPPU Inter Group sports competition	Participant	01
9	Kho-Kho (Women)	Mechanical	New ACS College, Nagar	SPPU Inter Group sports competition	Participant	01
10	Boxing (Men)	Civil	B.J.S. College, Wagholi, Pune	SPPU Inter Group sports competition	Participant	01
11	Yogasana (Women)	Mechanical	Indrayani College, Talegaon Dhabade, Pune	SPPU Inter Group sports competition	Selected for inter zonal competition but this event date 07 &	01

					08/12/2016	
Academic year 2015-16						
1	Water polo (M)	MBA	Punjab University, Punjab.	All India Inter University Competition	Participant	01
2	Cricket (M)	Mechanical	Reliance Cricket Stadium, Vadodara	U-19 Cooch Behar Thophy & Mankad Trophy	Participant	01
3	Water polo (M)	Instrumentation & Control	Rajmata Internation Swimming pool, Nashik Road Nashik.	SPPU Inter Group sports competition	Participant	01
4	Foot Ball (M)	Mechanical	rajasthan University, Jaipur	West zone Inter university competitions	Participant	01
5	Athletic (M)	Mechanical	B.J.S. College, Wagholi, Pune	SPPU Inter Group sports competition	Participation in Hammer Throw Event	02
6	Athletic (M)	Computer	B.J.S. College, Wagholi, Pune	SPPU Inter Group sports competition	Participation in High Jump Event	
7	Athletic (M)	MBA	Fergusson College, Pune	SPPU Inter Group sports competition	Participant	01
8	Archer y (W)	MBA	Jijamata College Bhende BK. Nagar	SPPU Inter Group sports competition	Participant	01
9	Swimming (W)	Mechanical	Rajmata Internation Swimming pool, Nashik Road Nashik.	SPPU Inter Group sports competition	Participant	01

10	Water polo	FE Mechanical	Jilha Karida Sankul Samiticha Wadiya Park Jaltran Talav, Ahmednagar	77 th senior & lower age group swimming championship 2015	Winner	01
11	Athletic (High Jump)	Computer	B.J.S. College, Wagholi, Pune	Savitribai Phule Pune University, pune under inter zonal athletic competition	First	01
12	Boxing (M)	Civil & mechanical	B.J.S. College, Wagholi, Pune	SPPU Inter Group sports competition	Participant	02
Academic year 2014-15						
1	Water polo (M)	MBA	Jain University, Bangalore	All India Inter University Competition	Participant	01
2	Water polo (M)	Mechanical	Arc of Nairs, Thane	76 th senior state aquatic championships 2014	Participant	01
3	Swimming, Diving & Water Polo (Men)	Mechanical	Rajmata International Swimming Pool, Nashik	SPPU Inter Group sports competition	Participant	03
4	Badminton (M)	Instru	Modern College, Pune	SPPU Inter Group sports competition	Participant	01
5	Foot Ball (M)	Mechanical	Ahmednagar College, Ahmednagar	SPPU Inter Group sports competition	Participant	01
Academic year 2013-14						
1	Water polo	Mechanical	Hyderabad	40 th Junir National	First	01

	(M)			Aquatic Championships - 2016		
2	Water polo (M)	Mechanical	Guru Nanak Dev University, Amritsar	All India Inter University Competition	Participant	01
3	Football 1 (M)	Mechanical	KKW College of Engineering, Nashik	SPPU Inter Group sports competition	Participant	01
4	Water polo	Mechanical	Hyderabad	40 th Junior National aquatic championships -2013	First place	01

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institution all provisions?

A) Student feedback

- The institute takes student feedback for improvisation of quality of teaching and learning process.
- The Student feedback process is conducted for each semester which becomes easy to analyse the performance of the faculty and corrective measures are taken.
- The feedback includes such as explanatory skills, materials for lectures, preparation, communication, behavioural, problem solving ability, etc. which are evaluated by Head of respective Department and Principal of Institute.

Sample of feedback form is shown in fig 5.3.1



Nashik District Maratha Vidya Prasarak Samaj's
Karmaveer Adv. Baburao Ganpatrao Thakre
College of Engineering, Nashik - 13.
TEACHER'S FEEDBACK FORM

(Do not disclose your identity)

Department : _____ Subject : _____

Name of Staff : _____ Class : _____

Date : _____

1. How does the teacher explain the subject ?
 Exceedingly well Adequately Inadequate Totally inadequate
2. Books referred / used by the teacher for teaching in classroom.
 Standard Publications Local Publishers Self prepared Notes
3. Whether the teacher was well prepared for the subject ?
 Always Often Sometimes Never
4. How is the clarity of communication and speed of delivery ?
 Excellent Good Satisfactory Poor
5. Whether the teacher encourages questions from students and provides satisfactory answers ?
 Always Often Sometimes Never
6. Whether teacher solves or discusses university question paper in classroom ?
 Always Often Sometimes Never
7. How much of the class time does the teacher uses for teaching the subject (as against deviating towards irrelevant or general matters) ?
 Above 90% 80 - 90 % 60 - 80 % Below 60 %
8. Whether the teacher conducts the lectures regularly ?
 Always Often Sometimes Never
9. Neatness and clarity of writing on blackboard
 Excellent Good Satisfactory Poor
10. What is the attitude of teachers towards you ?
 Usually Sympathetic and helpful Sometimes sympathetic & helpful
 Avoids personal contact Appears to be indifferent to students
11. Classroom control and discipline
 Maintains good discipline by his or her presence
 Class is in disorder frequently Class is noisy and in chaos
12. Overall impact of teacher
 Excellent Good Satisfactory Poor

Fig 5.3.3. Feedback Form

B) Employers Feedback

- The institute collects the employer's feedback of alumni working with various organisations which will be helpful for growth of institute.
- The employer's feedback includes various aspects on which our graduates are assessed such as technical knowledge, Capability of analysis, knowledge of standards, professional and ethical attitude etc.
- This feedback will help the institute to impart necessary skills to graduates to face industry.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

- The institute publishes its annual magazine 'Abhivyakti to appreciate the curricular and extra-curricular activities of the students.
- The magazine consists of non-technical articles, poems, producing good quality of creative writing which helps in developing thinking ability of students.
- The students post their poetry, story, article and other material in magazine which enhances the literacy.

Sample of Abhivyakti is shown in fig 5.3.2.

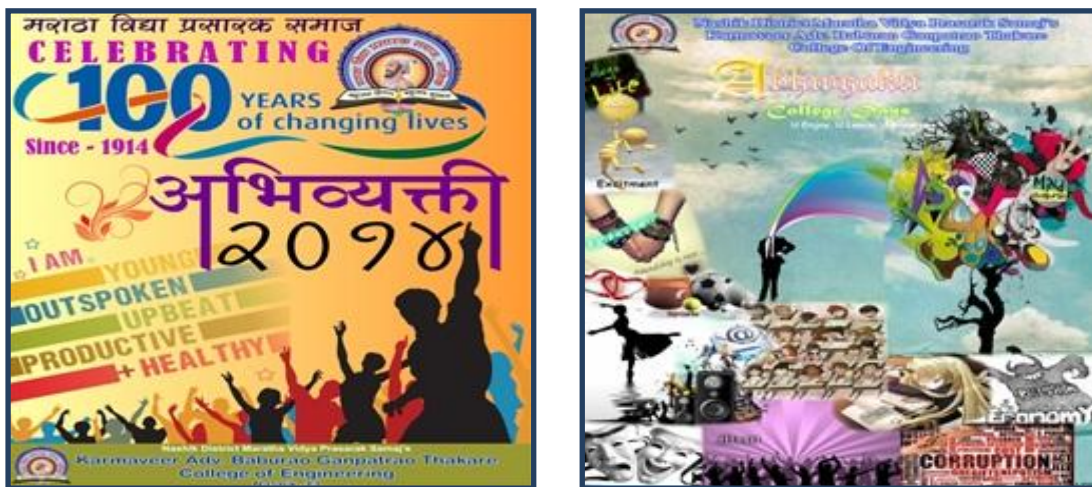


Fig 5.3.4 Abivyvakti college magazine

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding. Yes

Yes, the institute has its independent student Council as per the UGC and SPPU norms. The Principal is the chairman of this council. The council also includes director of sport and physical education, student coordinators from FE to BE and lady student members.

Table 5.3.5 Student council

Name	Designation
Dr. K. S. Holkar	Principal
Dr. R.S. Kare	Physical Director
Prof. A.S. Talekar	NSS Coordinator
Mr. Shubham Kunde	General Secretary
Miss. Megah Shaha	Cultural Student Secretary
Mr. Sushant Gaudhani	Sports Student Secretary
Mr. Sayali Bhadke	NSS Secretary
Miss. Prachi Nikam	Ladies Representatives
Miss. Noopur lokwani	

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

- Student Council
- Professional body's Student Chapter
- Anti-ragging Committee
- Hostel committee
- NSS (National Service Scheme)
- Departmental Students Associations of each Department

All the departments are having their student association the objective of association to encourage and motivate the student in co-curricular and extra-curricular activities.

Table 5.3.6 Students Association

Sr. No	Name of department	Association
1	Mechanical	Mechanical Engineering Student Association (MESA)
2	Computer	Association of Computer engineering student (ACES)
3	Electronics and telecommunication	Progressive Association of Electronics and telecommunication student (PAES)
4	Instrumentation and control	Instrumentation and Control Student Association (ICON)
5	Information technology	Information Technology Student Association (ITSA)
6	Civil	Civil Engineering Student Association (CESA)
7	First year	Arambh

Table 5.3.7 Student's anti-ragging committee UG

Under graduate course committee				
Branch	FE	SE	TE	BE
Mechanical	Mr. Bhushan S. Sagar	Mr. Ekhande Shubham Sudam	Mr. Katariya Akash Lalit	Mr. Mahajan Vaibhav Dilip
	Ms. Samrudhi Sanjay Godse	Ms. Gadakh Sujata Suryabhan	Ms. Aher Komal	Ms. Ahuja Geetanjali
	Mr. Gunjal Sourav Sachittanand	Mr. Toche Tushar Madhukar	Mr. Pawar Pankaj Kunal	Mr. Vispute Tanmay Kishor
	Ms. Roshani Nandkishor Gaikwad	Ms. Sonawane Utkarsha Vijay	Ms. Kulkarni Amruta Vijay	Ms. Pardhan Sonali Gawangi
Computer	Ms. Vrinda Prashant Patil	Mr. Husain Dehnuwala	Mr. Akshay Dixit	Mr. Aaditya Daga
	Mr. Piyushkumar Dinesh Singh	Ms. Neha N. Chavan	Ms. Vijeyata Mishra	Ms. Radhika Bajaj
Civil	Mr. Sagar Arjun Gangurde	Mr. More Hitesh B.	Mr. Randhir Nilesh Sunil	Mr. Patil Divesh Sures
	Ms. Himagauri Rajendra Patil	Ms. Patil Diksha B.	Ms. Jadhav Rupam Ramesh	Ms. Deore Sayali Rajendra
Instrumentation and control	Mr. Aditya Rakesh Desale	Mr. Shreejay P. Dhawale	Mr. Pranav Pravin Avekar	Mr. Shelke Roshan Ramdas
		Ms. Uphade Madhri Vishwas	Ms. Geeta Rajendra Kahandal	Ms. Vidhate Karishma Hemant
Electronics and telecommunication	Ms. Prajakta Santosh Deshmukh	Mr. Joshi Aakash Jayant	Mr. Dixit Sumedh Santosh	Mr. Kakade Mayur Mineshrao
		Ms. Sonawane Nikita Ambadas	Ms. Nawale Harshada Rajendra	Ms. Khairnar Sujata Babaj
Information technology	Mr. Dhurjad Rohit Shivaji	Mr. Hire Shivam	Mr. Patil Sameer	Mr. Dusane Mayur
	Ms. Patil Darshana Sadashiv	Ms. Sawale Snehal	Ms. Bankar Mayuri	Ms. Ratlamwala Rabaab

Table 5.3.8 Student's anti-ragging committee PG

Postgraduate Student anti ragging committee		
Branch	FY	SY
ME Civil	Mr. Shijo shaji Thomas	Mr. Kulkarni Vikram S.
	Ms. Aishwarya Raman	Ms. Ghuge Sayali S.
ME Mechanical	Mr. Bharaskar Sandeep Kisan	Mr. Pote Mukunda
	Ms. Ahire Dhanashree Pandharinath	Ms. Patil Pratiksha
MBA	Mr. Hitendra Mahajan	Mr. Devendra Suryawanshi
	Ms. Leena Punjabi	Ms. Ashwini Shinde
MCA		Mr. Singh Girish Ramashray
		Ms.Kadam Gayatri Balasaheb

Table 5.3.9 Computer Society of India (CSI) council for academic year 2016-17

Sr. no.	Name	Designation
1	Nupoor Lokwani	President
2	Himanshu Shrimavle	Vice - President
3	Akash Deshpande	Treasurer

Table 5.3.10 Mechanical Engineering Student Association (MESA) council for academic year 2016-17

Sr. no	Name	Designation
1	Nilesh Palkar	President
2	Komal Aher	Vice - President
3	Mayur Hire	Treasurer

Table 5.3.11 Association of Computer Engineering Student (ACES) council for academic year 2016-17

Sr. no.	Name	Designation
1	Anuja Tamboli	President
2	Neelam Nath	Vice – President
3	Shreya Sulakhe	Secretary
4	Asmita Badwar	Treasurer
5	Madhavi Sontake	Event- Coordinator
6	Husisn Yusuf	Event- Coordinator

Table 5.3.12 Progressive Association of Electronics and Telecommunication student (PAES) Council for academic year 2016-17

Sr. no.	Name	Designation
1	Sangram Shirsath	President
2	Yash wagh	Vice - President
3	Shewta Narwade	Secretary
4	Swargesh Pingale	Joint- Secretary
5	Sandip Murkute	Treasurer

Table 5.3.13 Instrumentation and Control Student Association (ICON) council for academic year 2016-17

Sr. no.	Name	Designation
1	Madhuri Upadhe	SE Class representative
2	Sheta Gunjal	TE Class representative
3	Roshan Shelke	BE Class representative

Table 5.3.14 Information Technology Student Association (ITSA) council for academic year 2016-17

Sr. no.	Name	Designation
1	Smith Nikam	President
2	Pranjal Deokar	Event Manager
3	Sonal Lahare	Treasurer
4	Ankita hase	Secretary

Table 5.3.15 Civil Engineering Student Association (CESA) council for academic year 2016-17

Sr. no.	Name	Designation
1	Sahil Thakare	President
2	Sayali Nerkar	Vice-President
3	Chetan Borade	Treasurer

Table 5.3.16 NSS committee of academic year 2016-17

Sr. no	Name	Designation
1	Omkar Panchpind	Student representative
2	Madhuri Tajanpure	Student representative

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution. Any other relevant information regarding Student Support and Progression which the college would like to include.

Alumni meet

- Institute conducts alumni meet in annual social gathering.
- The motto of this alumni meet is as follows
 - I. Alumni visit to the entire campus
 - II. Discussion of alumni with principal
 - III. Alumni visit and discussion with HOD's and faculty's of respective department.
- Institute also take alumni feedback which for following purpose follows
 - a. The institute conducts the alumni feedback system for maintaining the relationship and attachment of student with institute which will be helpful for growth of institute.
 - b. The Alumni feedback includes various aspects such as their personal and professional details, evaluation of institute on basis of facilities provided and suggestion if any to cope up with any lacking requirement.
 - c. The Alumni feedback finds easier to contact the alumni so that interaction between industry and institute will be stronger.


Former faculty

- Institute has good relation with former faculty institute invites former faculty as examiner and as a judge in various events organized in institute.

Annual social gathering

- Institute conducts every academic year annual social gathering for enhancement of student in extra-curricular skill such as managerial skill, singing, dance, drama etc.

Sample copy of alumni feedback form is attached here



NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S
KARMAVEER ADV. BABURAO GANPATRAO THAKARE
COLLEGE OF ENGINEERING
 NASHIK - 13
 Udoji Maratha Boarding Campus, Pumping Station, Gangapur Road,
 Nashik-422013, Maharashtra, India
 Visit us at : www.kbtcoe.org

Alumni Feedback
ESSENTIAL DETAILS

- Alumni Name:
- Year of Passing out: Branch:
- Permanent Address:
- Contact No.: Mobile No.:
- E-Mail ID:
- Present Organization:
- Designation: Present Location:

Kindly select the appropriate option as per the following Criterion.

A - Highly Efficient B – Efficient C - Satisfactory D - Below Satisfaction

I. FEEDBACK ABOUT COLLEGE

1] Environment	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
2] Infrastructure facilities	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
3] Admission Procedure	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
4] Faculty	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
5] Teaching	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
6] Fee Structure	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>
7] Quality of support material	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/>

8] Training and Placement	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
9] Library	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
10] Hostel	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
11] Canteen	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
12] Sports	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
13] Transport	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
14] Internet	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
15] Rate the following academic initiatives taken by the college to improve technical know- how of the student				
• Industry Oriented Projects	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
• Seminars & Workshop	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
• Online Examinations	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
• Special Training Classes for bridging Industry Academic gap	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
• Guest Lectures	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
16] Computer Facilities	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
17] Co-curricular Activities/Extra-curricular Activities	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
18] Discipline in College	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
19] How do you rate development activities organized by the College for your overall development?	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>

20] How do you rate learning experience in terms of their relevance to the real life application?	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
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II. FEEDBACK ABOUT DEPARTMENT & FACULTY

1] Were/are your grievances properly handled at the College	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
2] Were the HOD's & Faculties cooperative?	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
3] Cooperation from nonteaching Staff	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
4] Departmental Laboratories	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
5] Project Guidance	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>

III. FEEDBACK ABOUT TRAINING & PLACEMENT CELL

1] Has the T&P Cell provided ample On campus placement opportunities	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
2] If you are invited to deliver A Guest Lecture/ A Special Talk /A Motivational Session for your juniors, will you be interested?	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
3] Have you availed Career counseling and guidance for higher studies from T&P Cell?	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>

III. PLEASE COMMENT ON FOLLOWING

1. Relevance of curriculum in your job:
2. Need any change in curriculum and syllabi:
3. Improvements in teaching and learning process:
4. Most Memorable Moment in the college:
5. Suggestions for improvements:
 - Department
 - College

Signature

Date

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

Institutes Vision

To be internationally accredited, Multidisciplinary, and Multi-collaborative institute working on technology enabled platform fostering innovations and patents through state-of-art academic system designed by highly qualified faculty for the development of common masses at large.

Institutes Mission

To educate and train common masses through undergraduate, post graduate, research programs by inculcating the values for discipline, quality, transparency and foster career and professional development for employment thereby contributing to the development of society.

Goals of the Institute

Short Term Goals

- Implement PBL (Project Based Learning)
- Application for National Board of Accreditation (NBA)
- Prime Minister Kaushal Vikas Yojana
- Setting smart classroom at Institute.
- Enhancing E learning facilities
- MoU's/Collaboration with industry and research Centre
- Preparing research funding proposal to university/AICTE/DST
- Attracting /Deputing teaching faculty for the higher education
- Training of Staff and faculty
- Developing quality manual /handbook for institute for staff, students.
- Fostering/Promoting research culture
- Establishing network with sistern institutes and industry
- Attracting research scholars to institute
- Organizing scientific events
- To develop interdisciplinary projects

Long Term Goals

- Learning content management system environment
- Portfolio development
- ISO 29990
- Virtual classroom
- Starting PhD Center
- Collaboration with foreign university/organizations
- International Accreditation
- Faculty enrichment programme
- Research enrichment programme

- Incubators
- Provision of admission to UG/PG/R&D for NRI Students

Quality Policy

- Undertaking programmes and projects for excellence in teaching, research and Administration.
- Promoting the use of technology.
- Continual development in line with the vision.
- Promoting research based programmes and events.
- Collaboration policy.

Values

- Discipline, Quality and Transparency

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Role of top management

- To spread technical education for common masses.
- To educate economically backward students for their upliftment.
- Focus on Mission and Vision of the institution.
- To Create atmosphere to implement Discipline, Quality and Transparency

Role of Principal

- Setup rules and regulations of the institute for effective governance, transparent administration and participatory decision making.
- To implement modern teaching learning process.
- To conduct Motivational programmes for students and staffs.
- Ensures availability of infrastructure and facilities to fulfill academic and administrative requirements.

Role of Head of Department

- Conducting periodic meetings with teaching and nonteaching staff.
- To make MoU's with industries for promoting industry institute interaction.
- To propose the budget for purchase of lab equipment's, consumables, renovation work etc to the Principal.
- To communicate to the library for the requirement of books and periodicals.
- Supervise the conduct of lectures/ practical's daily, University Term work/ Practical/ Oral examination concerned with the department.
- Supervise the Term work assessment and approve test results, journals and project /seminar work
- Conduct departmental meeting from time to time (at least one meeting per 15 days) and to keep the record of Minutes of Meeting.

Role of Faculty

- Prepare course files of theory, practical and lab manuals and monitor at various levels.
- To carry out university result analysis and compare with previous results to find out shortcomings and take necessary actions.
- To get feedback from students on teaching learning for the further improvement.
- Conduct extra classes for the late admitted student's i.e. Second Year of engineering students who joins after completing their Diploma course
- To assure about the proper functioning of all equipments present in laboratories. Keeping records of maintenance/repaired of the instruments in the laboratory

6.1.3 What is the involvement of the leadership in ensuring?

The policy statements and action plans for fulfillment of the stated Mission.

- The management supports designing the policy statement and implementing the action plan by approving the perspective plan, projects and finance.

Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

- A strategic group has been appointed to prepare the strategic planning document and developing a perspective plan of the institution in line with the organizational objectives.

Interaction with stakeholders

- Support and facilitate for obtaining interactive /collaborative support from industry, academicians and parents.

Proper support for policy and planning through need analysis, research inputs and consultations with the stake holders

- The management has obtained the expert professional input indivising the policy document/strategic plan document and the entire process has been done with the full participation by involving the top management as well as functional managers.

Reinforcing the culture of excellence

- The education officer has been appointed to facilitate and support excellence through collaborations, associations and intervention of accreditation system like national board of accreditation (NBA) and national assessment and accreditation council (NAAC).

Champion Organizational change

- The top leadership promotes and motivates the functional managers for bringing organizational change and also participates actively in the transformation of the culture of the institute.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

- The Local Managing Committee, which has representatives from both teaching and non-teaching staff, meets twice in a year. In order to have effective implementation of the policies and to monitor and evaluate the same, various committees have been formulated as shown in organization Chart
- Table 6.1.4 (A) shows member name of local managing committee along with their designation

Table 6.1.4 (A) Local Managing Committee

Sr. No.	Name	Designation
1	Smt. Nilimatai Vasantrya Pawar	President
2	Shri. Er. Satish Shankarrao Wagh	Member
3	Shri. Prabhakar Sampat Shinde	Member
4	Shri. Shankarrao Vishnu Rayate	Member
5	Shri. Bhimraj Kashinath Patil	Member
6	Shri. Vijay Ratanlal Kothari	Member
7	Shri. Jagannath Mahipatrao Pawar	Member
8	Shri. Jyotirao Ramkrishna Wagh	Member
9	Shri. Ashokrao Kacharu Boraste	Member
10	Shri. Dinesh Shahu Patil	Member
11	Shri. Er. Kiran Eknath Patil	Member
12	Shri. Ramesh Mahadu Pawar	Member
13	Shri. Nivrutti Bajunath Daware	Member
14	Shri. Pravin Nimba Pagar	Member
15	Shri. Prakash Punjaram Gaikwad	Member
16	Shri. Er. Madhukar Santu Lambe	Member
17	Shri. Mahesh Dnyaneshwar Gite	Member
18	Shri. Jayant Vishnupant Bhadane	Member
19	Shri. Pralhad Ukhaji Sonawane	Member
20	Prof. Dr. Kailas Shankarrao Holkar	Member Secretary
21	Mrs. Radhika Yogesh Khairnar	Representative Teaching
22	Prof. Vinod Chimanrao Shewale	Representative Teaching
23	Prof. Sopan Ashok Talekar	Representative Teaching
24	Mr. Nitin Vitthalrao Kadam	Representative Non- Teaching

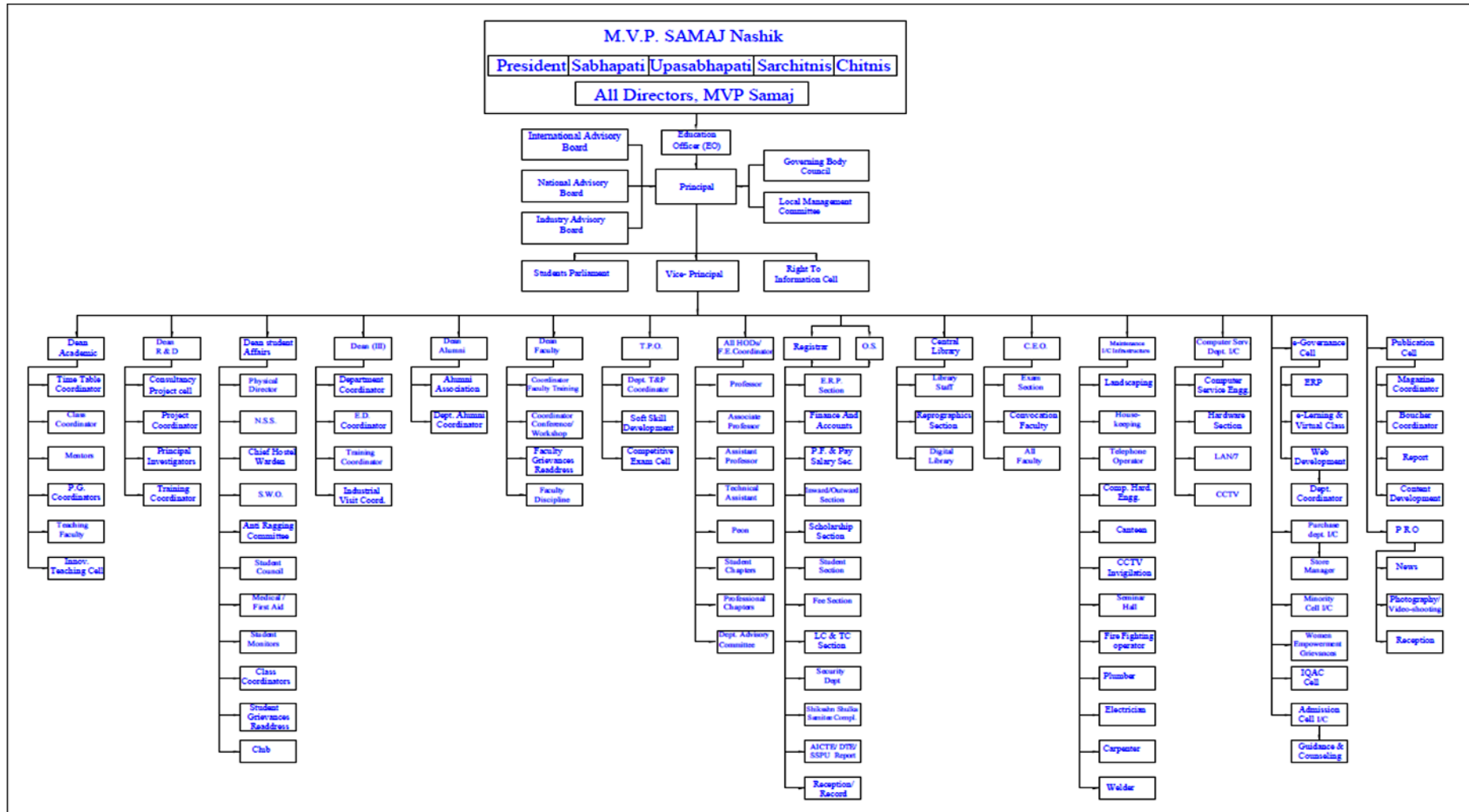


Fig. 6.1.4 Institute organization chart

- The Governing body council takes major decisions regarding the functioning of the college. The role of GBC is to decide vision and objectives of the institute based on which directions to LMC and head of the institute are given. The GBC approves the budget recommended by LMC. In an academic year, two GBC meeting is conducted.

Table 6.1.4 (B) Governing Body Council

Sr.No.	Name	Designation
1	Smt. Nilimatai Vasanttrao Pawar	President
2	Shri.Avinash Dhondu Shirode	Member
3	Shri.Ramkrushna Ramchandra Hirey	Member
4	Shri.Vijay Ratanlal Kothari	Member
5	Shri.Bhimraj Kashinath Patil	Member
6	Shri. Ashokrao Kacharu Boraste	Representative of Industry
7	A.I.C.T.E. Nominee	Nominee A.I.C.T.E Regional Office (Ex.Office)
8	University Nominee	University of Pune
9	D.T.E. Nominee	D.T.E. EX-Office,Mumbai
10	State Govt. Nominee	Member Nominated by State Govt. Industrial/Technologist
11	Dr.Kailas Shankarrao Holkar	Principal

6.1.5 Give details of the academic leadership provided to the faculty by the top management.

Academic Leadership provided to the Faculty as under:

- Top management has appointed Local Managing Committee and Governing body Council.

Table 6.1.5 (A) Local Managing Committee

Sr. No.	Name	Designation
1	Smt. Nilimatai Vasanttrao Pawar	President
2	Shri. Er. Satish Shankarrao Wagh	Member
3	Shri. Prabhakar Sampat Shinde	Member
4	Shri. Shankarrao Vishnu Rayate	Member
5	Shri. Bhimraj Kashinath Patil	Member
6	Shri. Vijay Ratanlal Kothari	Member

7	Shri. Jagannath Mahipatrao Pawar	Member
8	Shri. Jyotirao Ramkrishna Wagh	Member
9	Shri. Ashokrao Kacharu Boraste	Member
10	Shri. Dinesh Shahu Patil	Member
11	Shri. Er. Kiran Eknath Patil	Member
12	Shri. Ramesh Mahadu Pawar	Member
13	Shri. Nivrutti Bajunath Daware	Member
14	Shri. Pravin Nimba Pagar	Member
15	Shri. Prakash Punjaram Gaikwad	Member
16	Shri. Er. Madhukar Santu Lambe	Member
17	Shri. Mahesh Dnyaneshwar Gite	Member
18	Shri. Jayant Vishnupant Bhadane	Member
19	Shri. Pralhad Ukhaji Sonawane	Member
20	Prof. Dr. Kailas Shankarrao Holkar	Member Secretary
21	Mrs. Radhika Yogesh Khairnar	Representative Teaching
22	Prof. Vinod Chimarrao Shewale	Representative Teaching
23	Prof. Sopan Ashok Talekar	Representative Teaching
24	Mr. Nitin Vitthalrao Kadam	Representative Non- Teaching

The Governing body takes major decisions regarding the functioning of the college. The following members are involved in the Governing body. Table 6.1.5(B) shows governing body.

Table 6.1.5 (B) Shows Governing Body Council

Sr. No	Name	Designation
1	Smt. Nilimatai Vasantrao Pawar	President
2	Shri. Avinash Dhondu Shirode	Member
3	Shri. Ramkrushna Ramchandra Hirey	Member
4	Shri. Vijay Ratanlal Kothari	Member
5	Shri. Bhimrao Kashinath Patil	Member
6	Shri. Ashokrao Kacharu Boraste	Representative of Industry
7	A.I.C.T.E. Nominee	Nominee A.I.C.T.E Regional Office (Ex. Office)
8	University Nominee	University of Pune
9	D.T.E. Nominee	D.T.E. EX-Office, Mumbai

10	State Govt. Nominee	Member Nominated by State Govt. Industrial/Technologist
11	Dr.Kailas Shankarrao Holkar	Principal

6.1.6 How does the college groom leadership at various levels?

- The systematic approach is followed in the management of academics and administrative for Grooming of Leadership at various levels

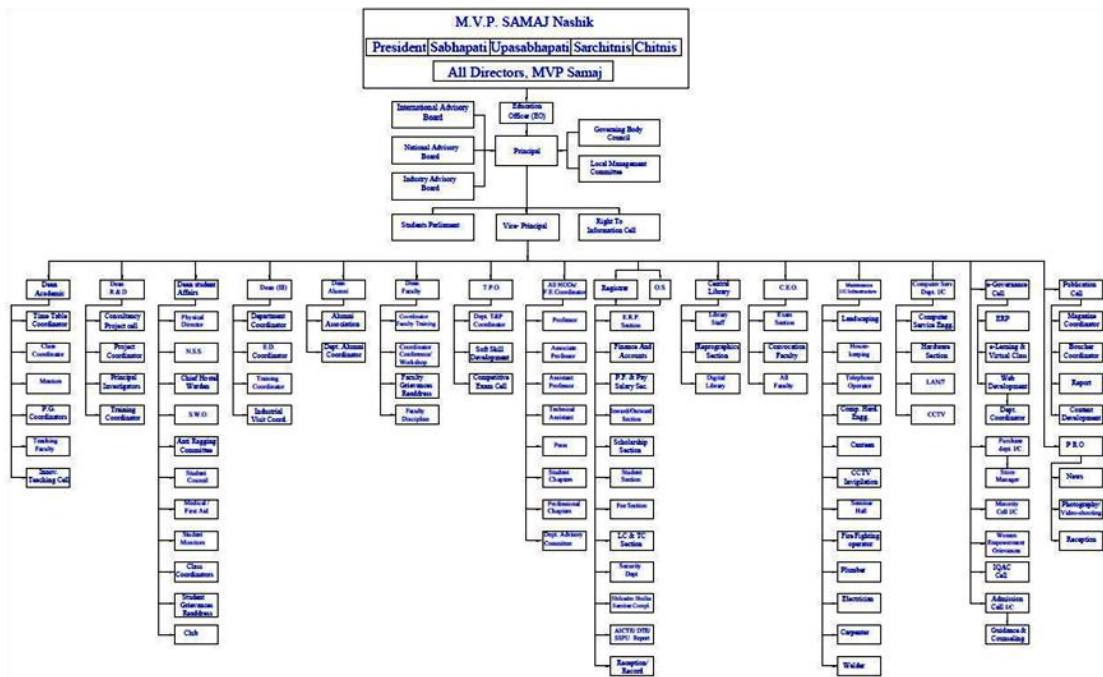


Fig.6.1.6 Institute organization chart

- The systematic approach is followed in the management of academics and administrative for Grooming of Leadership at various levels
- The Principal nominates the Head of Department capable to manage the Departmental activities.
- Assigning specific activity to faculty at college level.
- Some of the HODs and coordinators are given exposure to work on institutional level.
- HOD appoints class teachers to control and monitor the academic activities of class.
- The HOD appoints suitable faculty for the different activities like examination, Industrial visits, Training & Placement etc.
- The different activity coordinators for the cultural and extracurricular activities guide the students to make the events successful.
- The Institution encourages the faculty for the active participation of seminars, workshops, conferences (national and international), guest lecturers to other colleges and funds and duty leaves are sanctioned for the same
- All the faculties are involved in at least one of the activities thereby training them to accept various responsibilities.

Table 6.1.6 (A) Members of Academic Monitoring Committee

Sr.No	Name of Staff Member	Designation	Position
1	Dr.K.S.Holkar	Principal	Chairman
2	Prof.V.C.Shewale	Dean Academics	Coordinator
3	Prof.S.B.Sonawane	Dean R&D	Member
4	Prof.B.J.Pawar	Dean Student	Member
5	Prof.M.P.Chougale	Dean T&P	Member
6	Dr.S.P.Mogal	HOD Mechanical	Member
7	Prof.V.M.Birari	HOD E&TC	Member
8	Prof.H.V.Patil	HOD IT	Member
9	Dr.M.P.Kadam	HOD Civil	Member
10	Dr.V.S.Pawar	HOD Computer	Member
11	Dr.B.B.Musmade	HOD Instrumentation	Member
12	Dr.D.T.Khairnar	HOD MBA	Member
13	Prof.N.R.Kakad	HOD MCA	Member

Table 6.1.6 (B) Members of Research Committee

Sr.No	Name of Staff Member	Designation	Position
1	Dr.K.S.Holkar	Principal	Chairman
2	Dr. S.B.Sonawane	Dean R&D	Coordinator
3	Dr.S.P.Mogal	HOD Mechanical	Member
4	Prof.V.M.Birari	HOD E&TC	Member
5	Prof.H.V.Patil	HOD IT	Member
6	Dr.M.P.Kadam	HOD Civil	Member
7	Dr. V.S.Pawar	HOD Computer	Member
8	Dr.B.B.Musmade	HOD Instrumentation	Member
9	Dr.D.T.Khairnar	HOD MBA	Member
10	Prof.N.R.Kakad	HOD MCA	Member
11	Prof.V.C.Shewale	One UG Faculty	Member
12	Prof. D.V.Kushare	One PG Faculty	Member
13	Dr. O.G. Kulkarni	Industry Person and Scientist	Member

Table 6.1.6 (C) Members of Library Advisory Committee

Sr. No.	Faculty Name	Committee Designation	Department
1	Dr. S. B. Sonawane	I/C Library	Mechanical Engineering
2	Prof. P. V. Joshi	Member	Instrumentation and control
3	Prof. S. J.Suryawanshi	Member	Mechanical Engineering
4	Prof. R. R.Tajanpure	Member	Computer Engineering
5	Prof. S. B. Lukare	Member	Instrumentation & Control Engg.
6	Prof. A. R. Chaudhari	Member	Electronics and Telecommunications
7	Prof. D. N. Nathe	Member	Civil Engineering
8	Prof. U. S. Tambe	Member	Information Technology
9	Prof. S. M. Yawalkar	Member	MCA
10	Prof. N .J. Salunke	Member	MBA
11	Ms. V. D. Junnare	Secretary/ Convenor of Library	Library

Table 6.1.6 (D) Members of Local Industry Advisory Board

Sr. No	Name of Members	Designation	Name Organisation	Representation
1	Mr. Avinash Pradhan	General Manager, Engineering Dept	CEAT, Satpur, Nashik.	Mech. Engg. Dept
2	Mr. Vinod B. Patil	Proprietor,	Akash Industries, Ambad, Nashik	
3	Mr. Sujoy Gupta	Chairman	Samraat Group Nashik	Civil Engg. Dept
4	Mr. Avinash Shirode	Leading Consulting Engineer	Consulting Engineer, Nashik.	
5	Mr. Dinesh S Patil	Director	Integral Solutions Pvt Ltd.Ambad	E&TC Engg. Dept
6	Mr. Milind Jagtap	Vice-President	AICON CAP, Satpur ,MIDC, Nashik	
7	Dr. O. G. Kulkarni.	Scientist	Mentor, Adviser, Technology Provider &	Instru & Control Engg.

			Consulting Engineer in Automation, Instrumentation, Energy Management, IPR, CDM & Renewable Energy, Nashik.	Dept
8	Pralhad G. Dhumal	General Mgr - Drives & Services	FOX SOLUTIONS - M9 - M.I.D.C. Ambad Nashik.	
9	Mr. Rajeev Papneja	EVP & COO	ESDS (Software Solution Private Limited), Nashik	Comp. Engg Dept
10	Mr. Suchit Ramchandra Tiwari	CEO	Cognifront Software Private Limited, Nashik	
11	Mr. Milind Ghyar	MD, TRIARQ Health	Co-founder and MD, GloStream, Nashik	Information Technology Dept.
12	Mr. Milind Tanksale	Director	Neumann Systems Consultancy Private Limited, Nashik	
13	Mr. Shashank Todwal	CEO	UMS Tech Labs, MIDC Satpur Nashik.	MCA Dept.
14	Mr. Sameer Choudhari	Asst Manager / HR Chief	Zabuza Labs, Mahatma nagar, Nashik.	
15	Dr. Kiran Patil	Sr. G.M.	Glennmark Pharmaceuticals Ltd, Nashik	MBA Dept.
16	Mr. Rupesh H. Khiste	R & D Head	Sahyadri Farms, Nashik	

Table 6.1.6 (E) Members of Anti-Ragging Committee

Sr.No	Name of Staff Member	Designation	Position
1	Dr.K.S.Holkar	Principal	Chairman
2	Prof.B.J.Pawar	Dean Student	Member
3	Mr. H.C. Patil	Student	Member
4	Prof. A.K.Patil	Asst. Prof. & Chief Warden (Girls Hostel)	Member
5	Mrs. P.B. Sonawane	Asst. Prof.	Member
6	Mr. S.R. Patil	Technical Assistant	Member
7	Mrs. S. V. Khairnar	Rector Girls Hostel	Member

8	Mr. R.B. Patil	Parent	Member
9	Ms. K.G.Gunjal	Student F.E. (Civil)	Member
10	Mr. M. S. Divikar	Police Inspector, Nashik	Member
11	Mrs.Vanita Deshmukh	Local Media	Member
12	Mr.Arun Malani	N.G.O.	Member
13	Mr. Ojhas Joshi	Student F.E. (Comp)	Member
14	Ms. Darshana Patil	Student F.E. (I.T.)	Member
15	Mr. Gaurav S. Khairnar	Student F.Y. (M. B. A.)	Member
16	Mr. Divesh Patil	Student B.E. (Civil)	Member
17	Ms. Chaitali Rane	Student S.Y. (M.C.A.)	Member

Table 6.1.6 (F) Anti-Ragging Squad Committee

Sr. No.	Name	Designation	Position
1.	Prof. Dr. K.S. Holkar	Principal	Chairman
2.	Prof. B.J. Pawar	Asst. Prof. &Dean Student Affairs	Member
3.	Prof. A.K. Patil	Asst. Prof. &Chief Warden (Girls Hostel)	Member
4.	Prof. J. J. Nerkar	Asst. Prof.	Member
5.	Prof. Dr. K.T. Patil	Asst. Prof.	Member
6.	Prof. Dr. S.R. Pachorkar	Asst. Prof.	Member
7.	Prof. S.R. Bhamre	Asst. Prof.	Member
8.	Prof. S.P. Jadhav	Asst. Prof.	Member
9.	Prof. S.N. Palhe	Asst. Prof.	Member
10.	Prof. S.M. Yawalkar	Asst. Prof.	Member

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The college is working towards the decentralization of Governance as under. College has appointed dean academics and dean students with following advice and device policy on.

Dean Academics

- To ensure adherence to the ordinances as approved by the S P Pune University.
- To Prepare the institute academic Calendar.
- To supervise various departmental time tables/work load distributions.

- To support HODs and Principal regarding the academic rules and regulations.
- To issue necessary directions for implementation of the ordinances and other decisions.
- Plan academic programmes as per requirement.
- To supervise the lectures of students and timely conduction of lectures.
- To support the admission process and enrollment process of students at institutional level.
- To supervise the declaration of results and award of medals and degrees.
- To maintain academic records as per the requirement
- Creation of centre of excellence.
- Academic upkeep and up-gradation of central library and supervision.
- To implement the academic decisions of SPPU and NDMVP Samaj Sanstha Nashik.

Dean Students

- To maintain a ragging free campus as per rules approved by the S P Pune University and Maharashtra state government.
- To act as a proctor of the institute.
- To ensure discipline amongst the students inside the institute/campus.
- Liaison with parents/guardians about the progress and problem of students in consultation with dean academics.
- To issue conduct certificate to students in consultation with dean academics.
- To help students to get scholarships from various agencies/ organizations/ trusts.
- To supervise hostel and mess problems of students.
- To implement the student related decisions of SPPU and NDMVP Samaj Sanstha Nashik.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management

Yes, various committees have been formed consists of students, staff, industry persons.

Table 6.1.8 (A) Members of Academic Monitoring Committee

Sr.No	Name of Staff Member	Designation	Position
1	Dr. K.S.Holkar	Principal	Chairman
2	Prof. V.C.Shewale	Dean Academics	Coordinator
3	Prof. S.B.Sonawane	Dean R&D	Member
4	Prof. B.J.Pawar	Dean Student	Member
5	Prof. M.P.chougale	Dean T&P	Member
6	Dr. S.P.Mogal	HOD Mechanical	Member
7	Prof. V.M.Birari	HOD E&TC	Member
8	Prof.H.V.Patil	HOD IT	Member
9	Dr. M.P.Kadam	HOD Civil	Member

10	Dr. V.S.Pawar	HOD Computer	Member
11	Dr. B.B.Musmade	HOD Instrumentation	Member
12	Dr. D.T.Khairnar	HOD MBA	Member
13	Prof. N.R.Kakad	HOD MCA	Member

Table 6.1.8 (B) Members of Research Committee

Sr.No	Name of Staff Member	Designation	Position
1	Dr. K.S.Holkar	Principal	Chairman
2	Dr. S.B.Sonawane	Dean R&D	Coordinator
3	Dr. S.P.Mogal	HOD Mechanical	Member
4	Prof. V.M.Birari	HOD E&TC	Member
5	Prof.H.V.Patil	HOD IT	Member
6	Dr. M.P.Kadam	HOD Civil	Member
7	Dr.V.S.Pawar	HOD Computer	Member
8	Dr. B.B.Musmade	HOD Instrumentation	Member
9	Dr. D.T.Khairnar	HOD MBA	Member
10	Prof. N.R.Kakad	HOD MCA	Member
11	Prof. V.C.Shewale	One UG Faculty	Member
12	Prof. D.V.Kushare	One PG Faculty	Member
13	Dr. O. G. Kulkarni	Industry Person and Scientist	Member

Table 6.1.8 (C) Members of Library Advisory Committee

Sr. No.	Faculty Name	Designation	Department
1	Dr. S. B. Sonawane	I/C Library	Mechanical Engineering
2	Prof. P. V. .Joshi	Member	Instrumentation & Control engg.
3	Prof. S. J. Suryawanshi	Member	Mechanical Engineering
4	Prof. R. R. Tajanpure	Member	Computer Engineering
5	Prof. S. B. Lukare	Member	Instrumentation & Control engg.
6	Prof. A. R. Chaudhari	Member	Electronics and Telecommunications
7	Prof. D. N. Nathe	Member	Civil Engineering
8	Prof. U. S. Tambe	Member	Information Technology
9	Prof. S. M. Yawalkar	Member	MCA

10	Prof. N. J. Salunke	Member	MBA
11	Ms. V. D. Junnare	Secretary/ Convenor of Library	Library

Table 6.1.8 (D) Members of Anti Ragging Committee

Sr. No.	Name	Designation	Position	Contact No.
1	Dr. Kailas S. Holkar	Principal	Chairman	9822379056
2	Mr. Hansraj C. Patil	Tahasildar	Member Civil Administration	9421177673
3	Mr. M. S. Divekar	Police Inspector, Nashik	Member Police Administration	8975566100
4	Mr. Arun Malani	Journalist Dainik Sakal, Nashik	Member Local Media	9175185333
5	Mrs. Vanita Deshamukh	Yashodha Samajik Vikas Sanstha, Nashik	Member Non Govt. Organisation	9923369363
6	Mr. Ravindra B. Patil	Parent	Member	9850044651
7	Prof. Balasaheb J. Pawar	Asst. Prof. & Dean Student Affairs	Member	7588012633
8	Prof. Ashwini K. Patil	Asst. Prof. & Chief Warden (Girl's Hostel)	Member	9403709298
9	Mrs. Poonam B. Sonawane	Asst. Prof.	Member	9604540206
10	Mrs. Sunita V. Khairnar	Rector Girls Hostel	Member	9403515534
11	Mr. Sandip R. Patil	Technical Assistant	Member	9850974189
12	Ms. Chaitali Y Rane	Student S.Y	Member	9421742207
13	Mr. Devendra Suryawanshi	Student F. Y.	Member	9881331054
14	Ms. Pranjal Darekar	Student T E	Member	7875191385
15	Mr. Akash Rathod	Student S.E	Member	8390468696
16	Mr. Ojas. Joshi	Student F.E.	Member	8237315958

Table 6.1.8 (E) Members of Anti-Ragging Squad Committee

Sr. No.	Name	Designation	Position
1.	Dr. K.S. Holkar	Principal	Chairman
2.	Prof. B.J. Pawar	Asst. Prof. & Dean Student Affairs	Member
3.	Prof. A.K. Patil	Asst. Prof. & Chief Warden (Girls Hostel)	Member
4.	Prof. J.J. Nerkar	Asst. Prof.	Member
5.	Dr. K.T. Patil	Asst. Prof.	Member
6.	Dr. S.R. Pachorkar	Asst. Prof.	Member
7.	Prof. S.R. Bhamre	Asst. Prof.	Member
8.	Prof. S. P. Jadhav	Asst. Prof.	Member
9.	Prof. S. N. Palhe	Asst. Prof.	Member
10.	Prof. S.M. Yawalkar	Asst. Prof.	Member

Table 6.1.8 (F) Members of Industry Institute Interaction Cell

Sr. No.	Department	Name of member	Staff/Class
1	Mechanical Engineering	Prof. S Y Pawar	Asst. Prof.
		Mr. Abhishekh Chaudhar	SE
		Mr. Tushar Toche	SE
		Mr. Pankaj Pawar	TE
		Ms. Komal Aher	TE
		Mr. Vaibhav Mahajan	BE
		Mr. Tanmay Vispute	BE
2	Civil Engineering	Prof. R P Kajale	Asst. Prof.
		Mr. Sanket Sanap	SE
		Mr. Mayur Pawar	SE
		Mr. Abhishek Laddha	TE
		Mr. Jeevan Hake	TE
		Mr. Mohit Chavan	BE
		Mr. Rahul Deore	BE
3	Electronics & Telecommunication Engineering	Prof. V. P. Gawai	Asst. Prof.
		Mr. Shubham Kawale	BE
		Ms. Yashodhana Kulkarni	BE
		Ms. Aishwarya R. Loknar	TE
		Mr. Sumedh Dixit	TE
		Ms. Shraddha Gangurde	SE

		Mr. Avdhut Kailas Aher	SE
4	Computer Engineering	Prof.R.S. Derle	Asst. Prof.
		Mr. Shubham Totala	BE
		Ms. Shalini Saha	BE
		Mr. Akshay S. Dixit	TE
		Ms. Anuja Tamboli	TE
		Mr. Husain Dehnuwala	SE
		Ms. Nivya Nair	SE
5	Information Technology	Prof. N.S. Ujgare	Asst. Prof
		Ms. Noopur Lokwani	BE
		Ms. Aishwarya Sapkale	BE
		Mr. Sameer Patil	TE
		Ms. Pranjal Darekar	TE
		Ms. Krutika Chakor	SE
		Ms. Yashika Varma	SE
6	Instrumentation Engineering	Prof. S. H. Jadhav	Asso Prof.
		Prof. A. R. Kulkarni	Asst. Prof.
		Mr. Vishal B. Naik	BE
		Ms. Pallavi S. Joshi	BE
		Ms. Sayali R. Maniyar	TE
		Mr. Harshal Y. Chaudhari	TE
		Ms. Sisira S. Kottaka	SE
		Mr. Aniket Likhar	SE
7	Master of Business Administration	Prof. N. J. Salunke	Asst. Prof.
		Mr. Prasad Dusane	MBA
		Mr. Ajinkya Kaloge	MBA
8	Master of Computer Application	Prof. S. M. Yawalkar	Asst. Prof.
		Ms. Chaitrali Rane	SY
		Ms. Puja Kapadne	SY
9	Training and Placement	Prof. P V Pund	TPO

Table 6.1.8 (G) Members of Student Council

Name	Designation
Dr. K. S. Holkar	Principal
Dr. R.S. Kare	Physical Director
Prof. A.S. Talekar	NSS Coordinator
Mr. Shubham Kunde	General Secretary
Ms. Megah Shaha	Cultural Student Secretary

Mr. Sushant Gaudhani	Sports Student Secretary
Ms. Sayali Bhadke	NSS Secretary
Ms. Prachi Nikam	Ladies Representatives
Ms. Noopur Lokwani	

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes, the Institute has a formally stated quality policy. It has been formed after discussions with the top management, Principal, HODs in order to achieve the vision and mission of the Institute. The Institute undertakes various activities to fulfill the quality policies. Quality Policy is aimed at achieving excellence in Technical Education which includes:

- Undertaking programmes and projects for excellence in teaching, research and Administration.
- Promoting the use of technology.
- Continual development in line with the vision.
- Promoting research based programmes and events.
- Collaboration policy.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes, the Institute has a perspective plan for development. The institution takes effort in finding the key performance indicators for performance assessment and development. It addresses the issues from the internal and external stakeholder's perspective and takes steps to fulfill their requirements. Institute promotes research and consultancy activities in all departments.

Table 6.2.2(A) College Growth Plan 2015-2025

Activity	Name of Activity	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
A	Implement PBL (Project Based Learning)	A	A	A	A	A	-	-	-	-	-
B	Application for NBA	-	-	B	B	B	-	-	-	-	-
C	Start up of Prime Minister Kaushal Vikas Yojana	C	C	C	C	C	-	-	-	-	-
D	Setting smart classroom at Institute.	-	D	D	D	-	-	-	-	-	-
E	Enhancing E learning facilities	-	-	E	E	E	E	E	E	E	E
F	MoU/Collabration with industry and research centre	F	F	F	F	F	F	F	F	F	F
G	Preparing research funding proposal to university/AICTE/DST	G	G	G	G	G	G	G	G	G	G
H	Attracting /Deputing teaching faculty for the higher education	H	H	H	H	H	H	H	H	H	H
I	Training of Staff and faculty	I	I	I	I	I	I	I	I	I	I
J	Developing quality manual /handbook for institute for staff and students.	-	-	J	J	J	-	-	-	-	-
K	Fostering/Promoting research culture	K	K	K	K	K	K	K	K	K	K
L	Establishing network with sistern institutes and industry	-	-	L	L	L	-	-	-	-	-
M	Attracting research scholars to institute	M	M	M	M	M	M	M	M	M	M
N	Organizing scientific events	N	N	N	N	N	N	N	N	N	N

Activity	Name of Activity	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
O	To develop interdisciplinary projects	-	-	-	O	O	O	O	O	O	O
P	Learning content management system environment	-	-	-	P	P	P	P	P	P	P
Q	Portfolio development	-	-	-	Q	Q	Q	Q	Q	Q	Q
R	ISO 29990	-	-	R	R	R	-	-	-	-	-
S	Virtual classroom	-	-	S	S	S	S	S	S	S	S
T	Starting PhD Centre	-	-	T	T	T	-	-	-	-	-
U	Collaboration with foreign university/organizations	-	-	-	U	U	U	U	U	U	U
V	International Accreditation	-	-	-	-	-	V	V	V	V	V
W	Faculty enrichment programme	W	W	W	W	W	W	W	W	W	W
X	Research enrichment programme	X	X	X	X	X	X	X	X	X	X
Y	Incubators	-	-	-	-	Y	Y	Y	Y	Y	Y
Z	Provision of admission to UG/PG/R&D for NRI Students	-	-	-	-	Z	Z	Z	Z	Z	Z

Table 6.2.2 (B) Shows Intervening Projects & Programmes and financial Projections of Ten years (2015-25)

	Headings	Rs in Lakhs	
	Programmes	Presentation/Video Film (Story)	5.00
Seminar		10.00	
Conference		30.00	
Workshops		30.00	
Foreign Visits		30.00	
Industrial Meet		10.00	
Alumni Meet		5.00	
Competitions		25.0	
Training		30.00	
Showcase Conference		10.00	
Projects		Quality Handbook	5.00
		Industry Liason/Extension	2.00
	Collaborative Research	10.00	
	ISO 29990	5.00	
	Foreign University Collaborations	20.00	
	E –Learning	20.00	
	Virtual Classroom	30.00	
	Content Development	10.00	
	Students/Faculty Exchange	20.00	
	International Accreditation	5.00	
	Research and development Centre	5.00	
	Incubation	5.00	
	Laboratory Development	10.00	

6.2.3 Describe the internal organizational structure and decision making Processes.

Organization structure is shown below

- List of all staff members ,who are coordinators of various committees is enlisted below

Table 6.2.3(A) Names of various Committee Coordinators

Sr. No	Head	Name of Staff
01	Education Officer (EO)	Dr.N.S. Patil
02	Principal	Dr. K.S.Holkar
03	Vice- Principal	Dr.N.S. Patil
04	Right To Information Cell	Mrs. R.Y. Khairnar

05	Dean Academic	Prof. V.C. Shewale
06	Dean R & D	Dr. S.B.Sonawane
07	Dean student Affairs	Prof. B. J. Pawar
08	Physical Director	Dr.R.S.Kare
09	N.S.S.	Prof.S.A.Talekar
10	Chief Hostel Warden	Prof.A.K.Patil
11	Anti Ragging Committee & Student Council & Student Grievances Readdress	Pro.B.J.Pawar
12	Sports Club	Dr. R.S. Kare
13	Nature Club	Prof. P.V. Joshi
14	Cultural Club	Prof. A. A. Kapse
15	Literacy Club	Mrs. V.D. Junnare
16	Dean (III)	Prof.M.P.Chaugale
17	Dean Alumni	Prof. J. J. Nerkar
18	Dean Faculty	Dr. S J Kokate
19	T.P.O.	Prof.P.V.Pund
20	Registrar	Ms.R.Y.Khairnar
21	OS	Mr.R.D.Aher
22	E.R.P. Section	Mr.Mahesh Chaudhari Mr.Chandan Mogal
23	Finance And Accounts & P.F. & Pay Salary Sec.	Mr.M.N.Theete, Mr.C.K.Chavan
24	Inward/Outward Section	Smt.S.W.Medhane
25	Scholarship Section	Mr.S.T.Nikam
26	Student Section	Mr.S.S.Suryawanshi
27	Fee Section	Mr.S.U.Salunke
28	LC & TC Section	Mr.J.S.Gawale
29	Shikshahn Shulka Samitee Compl.	Mr.R.D.Aher
30	Central Library	Mrs.V.D.Junnare
31	Library Staff	Mrs.A.B.Nalawade,Mr.S.S.Shinde Mr. A. B.Mahale, Mr. P. S.Patil
32	Reprographics Section	Mr.S. S Lawand
33	C.E.O.	Prof.B. N. Shinde.
34	Exam Section	Mr. J. P. Dokphode
35	Maintenance I/C Infrastructure	Mr.P.S.Sangamnerre
36	Landscaping	Mr.S.P.Chavan
37	Housekeeping	Mr.Prashant Kadlag
38	Telephone Operator	Mr.R.S.Khairnar
39	Plumber	Mr.D.B.Purkar

40	Electrician	Mr.S.B.Jadhav
41	Carpenter	Mr.R.R.Khairnar
42	Welder	Mr.A.M.Sangamneri
43	Computer Service Engg.	Mr.V.G.Nimbalkar
44	LAN	Mr.A.B.Sable
45	CCTV	Mr.H.N.Ugale
46	ERP	Mr.Mahesh Chaudhari Mr.Chandan Mogal
47	e-Learning & Virtual Class	Prof.V.K.Kharote Prof.V.S.Tidke
48	Purchase dept. I/C	Prof. P.C. Shete
49	Store Manager	Mr.S.B.Ghorpade
50	Women Empowerment Grievances	Prof.V.S.Tidke
51	IQAC Cell	Dr.S.R.Pachorkar

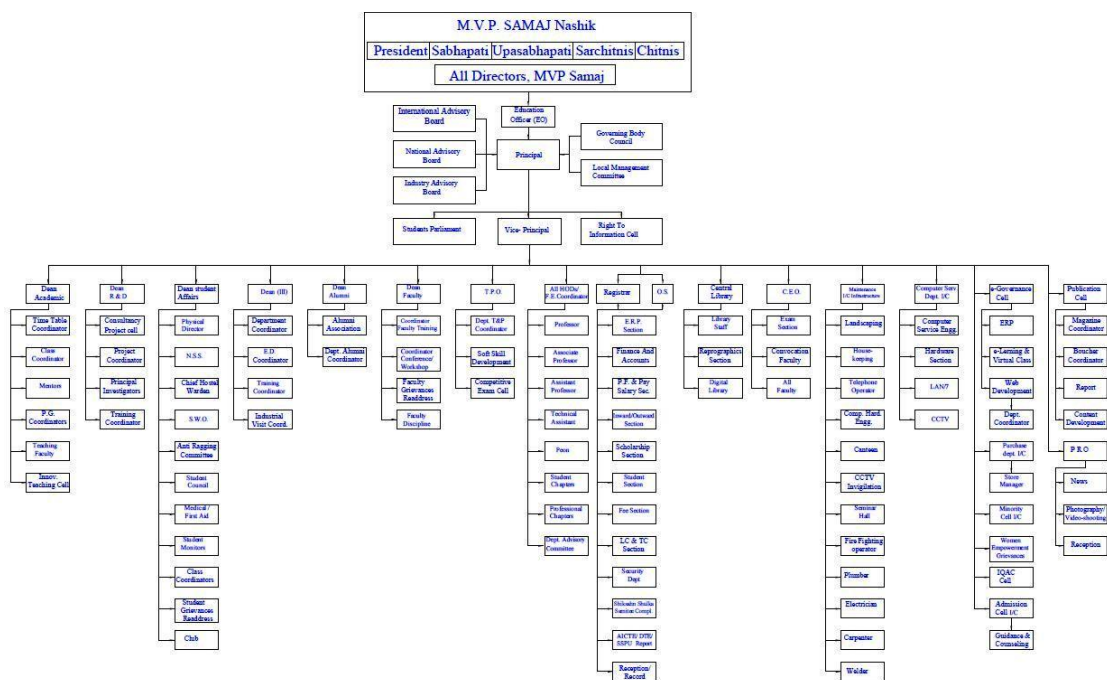


Fig.6.2.3 Internal Organizational Structure

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

Teaching & Learning

Academic Monitoring Committee (AMC)

- This cell is chaired by Principal of the Institute. All Dean of Institute and HOD's of all departments are member of this committee. AMC used to monitor all the Academics, Student Feedback and overall teaching learning

process to achieve maximum academic performance of the students. Guidance of advisors in term of teaching & load distribution, new faculty recruitment, procurement of new equipment's & library books is always helping the individual department to improve their performance. Faculty & staff appraisal are also looked after by AMC where it not only monitors the performance of individual faculty but also guide them to achieve their own objectives.

- AMC checks course files, theory and practical attendance sheets, Lab manuals, staff feedback etc. in every semester. Also this committee consists of mentors, class coordinators, Dean Academics, which monitors the classes and interact with students and faculty regularly and on need basis suggests remedial measures and motivates teachers to use latest technological aids.
- Monthly tutor meeting are conducted to counsel the students and to discuss issues related to academics, hostel, mess and overall facilities. AMC inform all the issues raised by mentors & coordinators to principal. Based on the issues raised by the above mentioned committees, the Principal takes corrective measures to improve teaching learning process.

Table 6.2.4 Members of Research & Development Committee

Sr.No	Name of Staff Member	Designation	Position
1	Dr.K.S.Holkar	Principal	Chairman
2	Dr. S.B.Sonawane	Dean R&D	Coordinator
3	Dr.S.P.Mogal	HOD Mechanical	Member
4	Prof.V.M.Birari	HOD E&TC	Member
5	Prof.H.V.Patil	HOD IT	Member
6	Dr.M.P.Kadam	HOD Civil	Member
7	Dr.V.S.Pawar	HOD Computer	Member
8	Dr.B.B.Musmade	HOD Instrumentation	Member
9	Dr.D.T.Khairnar	HOD MBA	Member
10	Prof.N.R.Kakad	HOD MCA	Member
11	Prof.V.C.Shewale	One UG Faculty	Member
12	Prof. D.V.Kushare	One PG Faculty	Member
13	Dr. O.G.Kulkarni	Industry Person and Scientist	Member

Research & Development

- Institute creates a conducive environment for promotion of Research & Innovation activities.
- Institute promotes the staff to process the proposal submissions for availing the funding from different funding agencies.
- Institute promotes to strengthen industry – institute interaction by consultancy, testing and need based research & innovation activities.
- The key goal of the Institute is to provide a creative atmosphere in which higher studies and research thrive amongst the faculty and students.
- The major role of institute is in administrating research projects sponsored by various Government and non-Government, research funding agencies

such as DST, AICTE, SPPU (BCUD) etc., and promotion of collaborative research partnerships for undertaking creative and advanced research.

Community engagement

- NSS activities
- Blood donation camps
- Tree Plantation
- Swachh Godavari Abhiyan

Human resource management

- Effective selection process
- Training and Placement
- Support for academic advancement
- Systematic performance appraisal system and guidance to concerned faculty
- Systematic promotion policies
- Career Enhancement Scheme
- Well defined Recruitment Policy
- Effective administration participative management

Industry interaction


- Institute signs MoU's with different industries for industrial visit, consultancy, campus recruitment, student/faculty training, industry based project under industry institute interactions cell.
- Industrial visits.
- Guest lectures by Industrial experts.

6.2.5. How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?


Local managing committees meetings were conducted twice in a year.

The higher body of management is a vital body under the constitution of the NDMVPS'Sanstha. It meets periodically to take a review of the developments in the Sanstha's institutions. During the Body meetings, information is shared from directors & principals regarding developments in their own institutions. Thus, information regarding developments in the Sanstha's institutions finally reaches to the top management. Once the top management approves of the information, it is circulated among other stakeholders, if necessary. The Principal imparts necessary information to the Heads of the departments in periodic meetings

Regarding various activities completed detailed report is send to university as shown below




Savitribai Phule Pune University
Annual Report Information 2015-2016
Planning and Development




AR1601116

College Details						
1.	Name Of the Department/College/Institute	: Maratha Vidya Prasarak Samaj's Karmaveer Baburao Ganpatrao Thakare College of Engineering [PUNCODE : CEGN018500]	2.	Address Of the Department/College/Institute	: Udoji Maratha Boarding Campus, Near Pumping Staff, Gangapur Road Ta. Nashik Dist: Nashik.Pincode: 422013	
3.	Name Of the Head/Principal/Director	: Pamwar Jayant Tukaram	4.	Tele (O/B) With STD Code/Mobile No., Fax No, Email Address and Website Address	: Tele- 0253-2571439 Email- principal@kbtcoe.org URL- www.kbtcoe.org	
5. Reference Books/Monographs Published by Teacher (2015-2016) :						
Sr. No.	Name of the Teacher(s)/Author	Title of the Reference Books/Monographs	Name and Place of Publisher(s)	Date of Publication	Isbn/Issn No.	
1	Khairnar Deepak Trymbak	MCQS FOR ONLINE TEST MBA	SUCCESS PUBLICATIONS	2015		
6. No. of Conference, Symposia, Seminars, Workshops etc. Organized (2015-2016)						
Sr. No.	No. of State Level	No. of National Level	No. of International Level			
1	8	4	0			
7. Research Publications in National and International Journals/Edited Books/Proceedings (2015-2016)						
Sr. No.	Name of the Teacher's/Author	Title of the Paper	Name of the Journal/Proceeding/Edited Book	Volume & Pages	Year of Publication	ISBN/ISSN No.
1	Mahale Rupali Nivrutti	CASHLESS ECONOMY - ONE STEP OF DIGITAL INDIA	MET MANAGEMENT REVIEW	2 & 7	2015	- / 2394-4013
2	MAHALE RUPALI NIVRUTTI	Role of the SIDBI in Make in India Programme	INTERNATIONAL JOURNAL OF ECONOMICS & COMMERCE	II & 2	2016	0 / 22782087
3	Mahale Rupali Nivrutti	Role of the Talent Management in Management Education	International Journal of Management	01 & 9	2016	- / 2455-3573
4	Tambe Ujwala Sampat	Filtering Unwanted Contents from Users Wall in Online Social Networks	International Journal of Advanced Research in Computer and Communication Engineering	4 & 6	2015	- / 2278 1021



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AR1601116

5	Palve Yogesh Hiranman	"CLOpinionMiner: Opinion Target Extraction in a Cross-Language Scenario"	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN COMPUTER AND COMMUNICATION ENGINEERING	Volume 4 & 6	2016	ISSN (Online): 2320 – 9801 / ISSN (Print): 2320 - 9798
6	Pawar Sunita Valmik	A Survey on Reversible Data Hiding	International Journal of Science, Engineering and Technology Research	4 & 3	2015	- / 2278 – 7798
7	Pawar Sunita Valmik	RDH: Reversible Data Hiding with Encrypted Images	International Journal of Advanced Research in Electronics and Communication Engineering	4 & 4	2015	- / 2278 – 909X
8	Musmade Bhausaheb Bhamudas	Sliding mode control design for robust regulation of time-delay processes	Transactions of the Institute of Measurement and Control	37 & 9	2015	
9	Lukare Santosh Balu	Performance Enhancement of SOPDT System with Numerically Optimized PID Controller	International Journal on Recent and Innovation Trends in Computing and Communication	3 & 5	2015	2321-8169 / 2321-8169
10	Lukare Santosh Balu	Design of PI/PID Controller for FOPDT System	International Journal of Advanced Research in Computer Science and Software Engineering	5 & 7	2015	2277128X / 2277128X
11	Khairnar Deepak Trymbak	Marketing practice in educational Institute of Nashik	International Journal of Pure and Applied Research in Engineering and Technology (ISSN 2319-507X) Impact factor: 4.226	3 & 12	2015	
12	Khairnar Deepak Trymbak	Role of educational service marketing in the economic growth of India	International Journal of Pure and Applied Research in Engineering and Technology (ISSN 2319-507X) Impact factor: 4.226	3 & 12	2015	
13	Khairnar Deepak Trymbak	Marketing practice in educational Institute of Nashik	International Journal of Pure and Applied Research in Engineering and Technology (ISSN 2319-507X) Impact factor: 4.226	3 & 12	2015	
14	KHAIRNAR DEEPAK TRYMBAK	Role of Value Chain in bringing Excellence in Management Practices: An Overview.	International Journal of Economic & Commerce	1 & 3	2016	2278-2087 / 2278-2087
15	Khairnar Deepak Trymbak	Role of Indian Government in Entrepreneurship Development	International Journal of Economic & Commerce	1 & 3	2016	2278-2087 / 2278-2087
16	Khairnar Deepak Trymbak	Digital India: Impact, Opportunities & Challenges.	METeoroid International Journal	1 & 2	2016	2394-6423 / 2394-6423

Fig.6.2.5. Annual Report Submitted to SPPUniversity (2015-2016)

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The management always encourages faculty to involve themselves in ongoing institutional processes. Staff is appointed as a incharge or members of Admission Committee, research committee etc. Faculties are the Heads of various committees at college level.

- For smooth conduction of Academics management appointed Dean Academics, Dean Students.
- Appointed Dean Research and Development, Consultancy.
- Appointed Dean Industry Institute Interaction.
- Institute has started SAP center under this various courses are started viz.
 - 1) Procurement, 2) Sales and Distribution 3) financial Accounting
 - 4) ABAP and 5) HRM.
- Institute has established Remote center NMEICT (IIT Mumbai) [National Mission on Education through ICT (MHRD, Govt. of India). Various programs conducted under remote center in association with IIT Mumbai.
- Institute has established the design and innovation center-spoke center in collaboration with SPPU-Pune and MHRD New Delhi under this three module courses are started Skill Development Center institute has received the center of Pradhan Mantri Kaushal Vikas Yojana, Govt. of India in collaboration three courses started a) Construction- Assistant Electrician b) Electronics & Hardware Test & Repair Technician c) Iron & steel fitter and maintenance water cooler and Plumbing (Plumber after sales service)
- Dr. Vasantro Pawar young engineer's lab is established at Horizon Academy School, under which Robotics and Automation center is established.
- The Institute is an authorized Facilitation Center (FC) for the centralized admission process of government of Maharashtra state.

6.2.7 Enumerate the resolutions made by the Management Council in the last year And the status of implementation of such resolutions.

Agenda and minutes of Governing Body Council meeting

The Governing Body council meets twice in a year and contains external members. The Last year's meeting of the General Body Council of KB Thakare College of Engineering, Nashik was held on 18/01/2016.

Following resolutions were made in this meeting

- Discussed the issue of admission of academic year 2015-16.
- Compared to other institute, our institute's Admission were satisfactory, instruction regarding admission of all vacant seats of first year of MCA and Instrumentation & Control were given.
- The result of First, second & Third year engineering for May\June 2015 was discussed.
- It is observed that all branches result is being continuously improving from the last year.
- It is decided to concentrate on quality improvement of students.
- Discussed regarding installation of solar power plant to reduced electricity bills of engineering college & girls hostel.
- Different workshop \seminar should be conducted on solar energy.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If yes, what are the efforts made by the institution in obtaining autonomy?

Yes, there is a provision. Every year institute has continuation of affiliation to SPP University. The institution has no immediate plans for obtaining autonomy.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

The Institute has following committees for hearing grievances/complaints from students, teaching and non-teaching staff.

- Reservation Committee
- Anti-ragging Committee
- Anti-Ragging Squad
- Women's Grievance Cell
- Student Council
- Student Grievance Redressal Cell
- Suggestions through suggestion box.

Everybody in the institution is made aware of the existence of these committees. As and when the committee receives a complaint, they meet immediately, review and resolve the problems. They also ensure that necessary actions are taken. The complaint details are filed separately and kept confidential.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the Institute? Provide details on the issues and decisions of the courts on these?

- No court case has been filed against the Institute.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If yes, what was the outcome and response of the institution to such an effort?

Yes, institution has mechanism for analyzing student feedback on institutional performance and Academic Performance

- Alumni Feedback Form
- Mentor Feedback Form
- Feedback is collected from Exit Feedback form from students.
- Academic feedback of teaching and nonteaching staff.
- Library Feedback
- Parents Feedback
- From Suggestion Box

13] Transport	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
14] Internet	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
15]Rate the following academic initiatives taken by the college to improve technical know- how of the student				
• Industry Oriented Projects	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
• Seminars & Workshop	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
• Online Examinations	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
• Special Training Classes for bridging Industry Academic gap	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
• Guest Lectures	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
16] Computer Facilities	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
17] Co curricular Activities/Extra curricular Activities	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
18] Discipline in College	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
19] How do you rate development activities organized by the College for your overall development?	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
20] How do you rate learning experience in terms of their relevance to the real life application?	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>

II. FEEDBACK ABOUT DEPARTMENT & FACULTY

1] Were/are your grievances properly handled at the College	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
2] Were the HOD's & Faculties cooperative?	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
3] Cooperation from nonteaching Staff	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
4] Departmental Laboratories	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>
5] Project Guidance	A <input type="checkbox"/>	B <input type="checkbox"/>	C <input type="checkbox"/>	D <input type="checkbox"/>

III. PLEASE COMMENT ON FOLLOWING

6. Improvements in teaching and learning process:
7. Most Memorable Moment in the college:
8. Suggestions for improvements:
 - Department

 - College

Signature

Date

Fig.6.2.11 Sampal Exit Feedback form

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?

- The institute is taking continuous efforts to enhance the professional development of its teaching and non-teaching staff.
- Institute provides financial support for higher education to the teaching and nonteaching staff.
- Enabling staff to make use of latest equipment's through awareness programmes and technical trainings.
- Institute Provides duty leaves to faculty and staff for attending workshops, seminars and national and international conferences.
- Institute Provides access to Internet, audio-visual aids, software packages for upgrading knowledge and skills.
- Institute Provides well equipped library and learning resources for effective lectures delivery.
- Institute Provides NPTEL video lectures.
- Motivating faculty to take membership of known technical and professional bodies like ISTE, IEEE, IETE, IEI etc.
- Institute organizing various faculty development Programs e.g. STTP, FDP, Workshops.
- The non-teaching faculties are promoted as teaching faculty after acquiring necessary qualification.

Table 6.3.1 Details of Conference/Workshop/Seminar /Training/FDP Attended by Staff

Title	2016-17	2015-16	2014-15	2013-14
Invited as resource persons in workshops /Seminars / Conferences organized by external professional agencies.	6	4	4	8

Participated in external Workshops / Seminars/ Conferences recognized by national/international professional Bodies	27	47	56	60
Presented papers in Workshops / Seminars/ Conferences conducted or recognized by professional agencies	14	28	31	43
Total	47	79	91	111

6.3.2 What are the strategies adopted by Institute for faculty Empowerment through Training, retaining and motivating the employees for the role they perform?

- Institute is always striving to motivate and empower the faculty to create sense of direction and positive awareness to all the departments in the teaching learning processes by sponsoring them to attend various Programmes like National / International conferences, workshops, STTPs and FDPs carried out at different levels.
- Creating a sense of belongingness amongst faculty members by involving them in various committees.
- Deserving faculties are promoted.
- Government norms are followed for DA, pay scale and HRA.
- Faculties are encouraged for higher studies with paid leave.
- Faculties are trained for soft skill development.

Table 6.3.3 Details of Conference/Workshop/Seminar /Training/FDP Attended by Staff

Title	2016-17	2015-16	2014-15	2013-14
Invited as resource persons in workshops / Seminars / Conferences organized by external professional agencies.	6	4	4	8
Participated in external Workshops / Seminars/ Conferences recognized by national/international professional Bodies	27	47	56	60
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	14	28	31	43
Total	47	79	91	111

6.3.3 Provide details of performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal?

Performance appraisal system exists for teaching and nonteaching staff. Sample forms are given below

Self performance appraisal form is distributed to every teaching and non teaching staff members before end of academic year. All staff members filled this form and

submit to the respective department head. Department head assess form of all staff members and make a comment on the report of activities and cross verify of the work done under each head of the activity like given below and make a remark in case of compliance

College _____

ASSESSMENT REPORT
For the year 20 - 20
PART A

1) Name: _____

2) Designation : _____

3) Subject : _____

4) Qualifications : _____

Sr. No.	Degree	Univ.	Year	Class	Marks	Subject
1)	S.S.C.					
2)	XII					
3)	Degree					
4)						
5)						

5) Teaching Activities :

Class	Subject	Lectures	Practicals
1)			
2)			
3)			
4)			
5)			

(2)

6) Research Activities : _____

7) Co-curricular and extra-curricular activities during the year: _____

8) Administrative work if any: _____

9) a) Self assessment

Activity	Outstanding	Very good	Good	Fair	Poor
Teaching					
Research					
Extension					
Administration					
Extra-curricular					

Justification for grading

b) Difficulties encountered: _____

c) Suggestions for removal of difficulties _____

Date: _____

Place : _____

Name & Signature of the person _____

Following activities are considered for teaching Staff members

- Teaching learning process evaluation Specific duties / tasks assigned. Student performance for internal and phase examinations is reviewed along with attendance and practical skills. Workshop, Seminar, Conferences attended by Staff for improving skills and update of recent technology
- Awards/ Rewards obtained by the faculty and staff.
- Results of subjects taught
- Contribution in Institutional and departmental activity
- Contribution towards extracurricular and co-curricular activities.
- Research contribution of staff in terms of research projects, publications, guidance provided to students for involvement in research.

Following activities are considered for non teaching Staff members

- Tenure period of work, Work assigned by HOD/ Incharges and its completion, Last year work allotment audit, Special good work done.

(3)
PART B

(Note :- Adverse remarks as well as remarks of appreciation of any outstanding work should be brought to the notice of the person concerned by the Head of the Department / Principal with a view to making improvement in the work by person concerned)

1) Remarks of the Head of the Department on the report of the activities :-

2) a) Assessment by the Head of the Department of the work done under each head of activity.

Activity	Outstanding	Very good	Good	Fair	Poor
Teaching					
Research					
Extension					
Administration					
Extra-curricular					

b) Reasons for Discrepancy in the assessment by the himself and by the Head of the Department, if any.

c) Justification of assessment of work as outstanding or poor.

Name & signature of the head of the department

(4)

3) Report of the Principal-

a) Comments of the Principal on (9) (a) (b) and (c) of the part A

b) Comments on (2) (a) (b) and (c) of part B

b) Principal's Report -

- 1) Subject knowledge & preparation
- 2) Teaching and class control
- 3) Regularity and Seniority
- 4) Behaviour with students
- 5) Behaviour with Colleges
- 6) Behaviour with Head/Principal
- 7) Any other

Date : _____

Place : _____ Signature _____
Name _____
Stamps of the Principal _____

Remarks seen and agreed with _____

Date : _____

Place : _____ Signature _____
Name of the person _____
(whom the report relates)

Fig.6.3.3 (A) Sample form of Self Performance Appraisal of teaching Staff

शिक्षकेतर सेवकाचा गोपनीय अहवाल
भाग - १
स्वतः भरावयाचा तक्ता

१) नांव _____

२) पद _____

३) सध्याच्या किंवा समान पदावरील सेवेचा कालावधी _____

४) वर्षभरात तुमच्यावर सोपविल्यात आलेल्या कामाचे त्याच्या उद्दिष्टांवर संक्षिप्त वर्णन द्या.

५) गेल्यावर्षी तुम्हावर सोपविलेल्या तुमच्या स्वतःच्या कर्तव्याचे तुम्ही कसे मूल्यापन कराल ?

६) तुम्ही केलेल्या काही वैशिष्ट्यपूर्ण चांगल्या कामगिरीची माहिती देऊ शकाल काय ?

सही / नांव / हुद्दा

अहवालात अधिकारी यांचा श्रेण

१) कृपया सदर मूल्यापनाशी तुम्ही सहमत आहात काय ? नसल्यास, त्याची कारणे - _____

२) तुमचे समजुतीप्रमाणे, सेवकाच्या कोणत्या चुका या जबाबदारीच्या उणीवा तुम्हास दिसल्या.

३) सेवकांची कर्तव्यदक्षता जनतेची असणारे त्याचे संबंध या संबंधी तुमचे साधारण मूल्यापन _____

ठिकाण : _____

तारीख : _____ / _____ / २०११

अहवालात अधिकारी यांची स्वाक्षरी
नांव व हुद्दा

कनिष्ठ श्रेणीतील नोकरीचा गोपनीय अहवाल

नांव _____

अहवालाचा काळ : _____

पद किंवा भूषविलेली पदे

- १) शारीरिक क्षमता
- २) सर्वसाधारण बुद्धिमत्ता
- ३) तांत्रिक समर्थता (जर प्रस्तुत असोत तर)
- ४) निष्ठा आणि वर्तन
- ५) विशेष ग्रहणक्षमता
- ६) आज्ञाधारकत्व
- ७) यत्नशीलपणा
- ८) शिक्षा/बहिरी काही असल्यास
- ९) मर्यादाशक्ती क्षमता
- १०) सर्वसाधारण मूल्यापन

ठिकाण : _____

तारीख : _____ / _____ / २०११

(शाखा प्रमुख)
नांव व हुद्दा

सिंहावलोकित अधिकाऱ्याचा अभिप्राय

१) सिंहावलोकित अधिकाऱ्याच्या हाताखालील सेवाकाल

२) अहवालित अधिकाऱ्याची आपण सहमत आहात की त्याच्या मूल्यापनात सुधारणा किंवा भर घालवण्याची तुमची इच्छा आहे.

ठिकाण : _____

तारीख : _____ / _____ / २०११

सरचिटणीस
मराठा विद्या प्रसारक समाज, नाशिक.

Fig.6.3.3 (B) Sample form of Self Performance Appraisal of non teaching Staff

6.3.4 What is outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The management reviews the performance appraisal for suitable suggestions and remedial actions like regularizing the staff after probation period, deciding the regular increments and deciding promotions.

Communication to stakeholders

- Appraisal forms of faculties with remarks of HOD, Principal are forwarded to management.
- Counseling is done for faculties if required.

6.3.5 What are the welfare schemes available for teaching and nonteaching staff? What Percentage of staff has avail benefit of such scheme in the last four years?

- GIS (Group Insurance Scheme) is provided to staff - 30%
- Gratuity is provided to staff -100%
- PF facilities are available to all staff members.
- Uniforms are provided to all class IV Staff.
- Medical leave facilities to all staff.
- Maternity leave is provided for ladies staff.
- Loan is provided to teaching and non-teaching Staff members through teachers society -100%
- Medi- claim insurance is provided to all staff at cheaper rate-100%
- Medical help is provided to staff through Sevak welfare funds-100%

Table 6.3.5 (A) List of Loans Provided to Teaching Staff by NDMVPS's Teachers Co-operative Society.

Sr No	Academic Year	Name of Staff	Designation	Amount
1	2016-2017	Prof. B.N.Rajole	Assi. Prof	62468
2	2016-2017	Prof.N.K.Kharate	Assi.Prof.	628000
3	2016-2017	Prof.J.J.Nerkar	Assi.Prof.	22242
4	2016-2017	Prof.A.B.Kakade	Asso.Prof.	541295
5	2016-2017	Prof.R.R.Tajanpure	Assi.Prof.	108812
6	2016-2017	Prof.A.A.Kapse	Asso.Prof.	310459
7	2016-2017	Prof.B.J.Pawar	Assi.Prof.	293750
8	2016-2017	Prof.D.T.Khairnar	Prof.	629000
9	2016-2017	Prof.S.H.Jadhav	Asso.Prof.	547000
10	2016-2017	Prof.V.C.Shewale	Asso.Prof.	136545
11	2016-2017	Prof.S.A.Dhumane	Assi.Prof.	274225

12	2016-2017	Prof.S.P.Mogal	Asso.Prof.	540532
13	2016-2017	Prof.N.S.Patil	Prof.	587867
14	2016-2017	Prof.K.T.Patil	Assi.Prof	546250
15	2016-2017	Prof.S.D.Nikam	Assi.Prof	606000
16	2016-2017	Prof.S.P.Jadhav	Assi.Prof	209920
17	2016-2017	Prof.H.Y.Patil	Assi.Prof	81825
18	2016-2017	Prof.S.Y.Pawar	Assi.Prof	299011
19	2016-2017	Prof.Y.B.Chaudhari	Asso.Prof	428100
20	2016-2017	Prof.R.V.Devalkar	Assi.Prof	474650
21	2016-2017	Prof.P.V.Pund	Assi.Prof	476000
22	2016-2017	Prof.S.J.Suryawanshi	Assi.Prof	195705
23	2016-2017	Prof.S.M.Wayasal	Assi.Prof	500000
24	2016-2017	Prof.V.P.Gawai	Assi. Prof	195837
25	2016-2017	Prof.A.R.Chaudhari	Assi.Prof	136358
26	2016-2017	Prof.Y.P.Patil	Assi.Prof	495500
27	2016-2017	Prof.D.V.Kushare	Assi.Prof	623500
28	2016-2017	Prof.S.N.Palhe	Assi.Prof	650000
29	2016-2017	Prof.L.C.Sonttake	Assi.Prof	127462
30	2016-2017	Prof.N.J.Salunke	Assi.Prof	163843
31	2016-2017	Prof. T. S. Deshmukh	Assi.Prof	330000
32	2016-2017	Prof.J.R.Suryawanshi	Assi.Prof	175000

Table 6.3.5(B) List of Loans Provided to Non-Teaching Staff by NDMVPS Teachers Co-operative Society

Sr No	Academic Year	Name of Staff	Designation	Amount
1	2016-2017	Mr D. D. Dabhade	Tech.Asst.	208912
2	2016-2017	Mr. D. B. Purkar	Plumber	28115
3	2016-2017	Mr R.S.Khairnar	Peon	120551
4	2016-2017	Mr S.U.Salunke	Jr.Clerk	248700
5	2016-2017	Mr N.S.Gangurde	Peon	152000
6	2016-2017	Mr S.L.Pawar	Peon	107000
7	2016-2017	Mr B.S.Bhavar	Peon	138000
8	2016-2017	Mr M.N.Chine	Tech.Asst.	51336

9	2016-2017	Mr A.R.Gaikwad	Peon	146775
10	2016-2017	Mr A.S.Mogal	Tech.Asst.	369104
11	2016-2017	Mr M.B.Jadhav	Tech.Asst.	278302
12	2016-2017	Mr R.D.Aher	O.S	128181
13	2016-2017	Mr R.R.Khainar	Work/S.Asst.	118614
14	2016-2017	Mr P.K. Wagh	Peon	81152
15	2016-2017	Mr V.G.Nimbalkar	Service Eng	269832
16	2016-2017	Mrs S.S.Gade	Tech.Asst.	117267
17	2016-2017	Mr N.V.Kadam	Tech.Asst.	116011
18	2016-2017	Mr K.G.Somase	Work/S.Asst.	48000
19	2016-2017	Mr J.P.Lasure	Peon	42000
20	2016-2017	Mr S.V.Nawale	Peon	19034
21	2016-2017	Mr S.D.Musale	Peon	93336
22	2016-2017	Mr S.V.Shinde	Driver	40012
23	2016-2017	Mr S.S.Suryawanshi	Jr.Clerk	228851
24	2016-2017	Mr A.B.Shinde	Jr. Clerk	192000
25	2016-2017	Mr P.A.Kadlag	Lab Attendant	196180
26	2016-2017	Mr S.P.Chavan	Peon	82366
27	2016-2017	Mr S.P.Gangve	Workshop Attendant	37000
28	2016-2017	Mr S.C.Derle	Peon	35040
29	2016-2017	Mr A.B.Sabale	Network Admin	210000

6.3.6 What are the measures taken by the Institute for attracting and retaining eminent faculty?

Strategies adopted by the Institute for attracting and retention of eminent faculty members are as follows:

- Provide yearly increments & promotions based on experience & qualification.
- Implementing various welfare schemes for faculty like group gratuity, group insurance, medi-claim insurance policy, credit cooperative society, sevak welfare fund etc.
- Assigning roles and responsibilities challenging their capabilities and making them strive further.
- Providing necessary infrastructure and facilities for promoting the culture of research.
- Nearly 10% of total budget is allocated for research and development with respect to total budget.
- Institute considers the leave of employee for the research work and also adjusts their work load at department level.

- Deputing faculty for industrial training, for completion of Ph.D. at industries/ Institute of repute.
- Duty leave is sanctioned to teachers to undertake field work, presentation, attending national international seminars and conferences

The details of faculty pursuing higher studies & completed higher studies are given below.

Qualification	No. of staff
Ph.D	13
Ph.D Pursuing	35
PG	74

- Institute provides adequate internet facility, Wi-Fi facility and library resources such as e-journal, e-book, reference books etc.
- Encouraging faculties to talks and interaction with eminent personalities from industries, research and development organization, from many reputed national and international institute.
- Attending the state conference/National conference /International conference the encouragement amount will be given rupees one thousand for state level conference.
- Encouragement amount rupees two thousand for international conference in within the state and rupees four thousand outside the state.
- Encouragement amount rupees ten thousand international conferences outside of India and rupees one thousand for best paper award at international conference.

Table 6.3.6 (A) Shows Various Developments Programmes Attained by Staff

Academic Staff Development Programmes	No. of staff Attended			
	2016-17	2015-16	2014-15	2013-14
Refresher courses	3	5	10	6
HRD programmes	5	7	6	6
Orientation programmes	3	9	12	10
Staff Training Conducted by college	2	16	7	11
Staff training conducted by other institutions	4	14	5	7
Summer/ winter schools, workshops, etc.	6	28	28	45

The management reviews the performance appraisal for suitable suggestions and remedial actions like regularizing the staff after probation period, deciding the regular increments and deciding promotions.

Table 6.3.6 (B) Staff Promotion Details

Sr. No.	Name of faculty	Department	Year of promotion	Post before promotion	Post after promotion
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01	Dr. B.B. Musmade	Instrumentation & Control	2013	Associate Professor	Professor
02	Dr. N.S.Patil	Instrumentation & Control	2015	Associate Professor	Professor
03	Dr. N.S.Patil	Instrumentation & Control	2016	Professor	Vice Principal
04	Dr. S.P.Mogal	Mechanical	2014	Assistant Professor	Associate Professor
05	Prof A.A.Kapse	Mechanical	2014	Assistant Professor	Associate Professor
06	Prof V.C.Shewale	Mechanical	2014	Assistant Professor	Associate Professor
07	Prof. N. K. Kharate	Mechanical	2014	Assistant Professor	Associate Professor
08	Prof H.V.Patil	E&TC	2013	Assistant Professor	Associate Professor
09	Dr A. B.Saner	Civil	2015	Associate Professor	Professor
10	Prof V.S.Tidake	Computer	2013	Assistant Professor	Associate Professor
11	Prof. M. P Chougale	Civil	2014	Assistant Professor	Associate Professor
12	Mr. R.D.Aher	Office	2016	Jr. Clerk	Office Superintendent

6.4 Financial Management and Resource Mobilization

6.4.1. What is the institutional mechanism to monitor effective and efficient use of available financial resources?

- The Institute has a well-defined procedure to monitor effective and efficient utilization of available financial resources.
- Yearly planning of budget under different heads is carried out in advance of the academic year. Budget required for all departmental expenditure is generated. This Budget is approved by Local Management Committee and forwarded to NDMVP Samaj Sanstha for the approval.
- Departmental requirements such as apparatus, equipment, instruments, consumables and semi-consumables items are listed as per requirement by Head of Department. The details are given to Principal. Quotations are called from the at least three different vendors/suppliers. A comparative statement is prepared which is approved from the Principal. After negotiations purchase orders are placed to the vendors.
- After receipt of the material entry is made in the Stores Dead Stock registers, then the entry is made in departmental central dead stock register, after testing

installation and demonstration it is entered in the central departmental dead stock register and bills are forwarded to the account section for audit and after audit payment may be released. Servicing, maintenance and repairs of instruments and equipment is carried out regularly.

- Inter-departmental verification of dead stock and records is regularly maintained. Reports are regularly submitted to the principal. External audit is conducted every year.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections?

- The auditors are appointed by the NDMVP Samaj Sanstha. The institution is having qualified practicing Chartered Accountant as an auditor who audits the accounts annually. After the audit, the report is sent to the management for review.
- No major audit objections were raised in the previous four years reports

Table 6.4.2 (A) Details of External Audit.

Internal/External Audit	Last Audit date	Details of Compliance
Auditors R. S. Baste & Company	2016-2017 Date :- 13/06/2016	27/06/2016

Table 6.4.2 (B) Objections of External Audit and compliance

Sr. No.	Period of Audit Report	Particulars of Objection in brief	Compliance by the Institute
1	2015-16	Paid bill to LIC committee No Permission from Central Office	Permission is taken from Central office
2		Paid to Mr. Kumar Karanjkar no fee receipt	Receipt Found
3		Honrioum to Professor No Permission from Central Office	Permission is taken from Central office
4		Paid to V.N.Jalgaokar.No Permission from Central Office	Permission is taken from Central office
5	2014-15	Paid bill to Synchroniks Receipt not found	Receipt Found
6		Original Bill Not Found	Bill Found
7		No Signature on Voucher	Signature is taken
8		Paid to IIT Mumbai Receipt not found	Receipt Found
9	2013-14	Paid bill to S. & S Receipt not found	Receipt Found
10		No Permission from Central Office	Permission is taken from Central office

6.4.3 What is the major source of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

- The major source of institutional funding is from the tuition fees
- Development fees received from students
- Government grants
- Building rent received from external Agencies.
- UGC and other grants.
- Audited income and expenditure statement of academic and administrative activities of the previous last four years are available and listed below

Table 6.4.3 Audited Statement of Income & Expenditure

Sr. No	Particulars	2016-17	2015-16	2014-15	2013-14
1	Total Income (Rs.)	-	158403639.10	155032018.00	138896430.00
2	Total Expenditure (Rs.)	-	141644700.90	129330416.27	116572189.00
3	Balance amount (Rs.)	-	16758938.20	25701601.53	22324240.00

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

- The Institute is taking efforts for getting additional funds from various agencies like AICTE, DTE& SPPU (BCUD).

Table 6.4.4 Funds received and utilization during last four years

Sr. No	Particulars	2016-2017 (Rs.)	2015-2016 (Rs.)	2014-2015 (Rs.)	2013-2014 (Rs.)
Grants income					
1	BCUD	420000.00	630504.00	145256.00	110000.00
2	IIT/MHRD	734000.00	457843.00	679888.00	117083.00
3	Student Welfare Activity (NSS)	44550.00	75750.00	75750.00	75750.00
	Total Income	1198550.00	1164097.00	900894.00	302833.00
Expenditure					
1	BCUD	-	630504.00	145256.00	110000.00
2	IIT/MHRD	-	457843.00	679888.00	117083.00
3	Student Welfare Activity(NSS)	-	75750.00	75750.00	75750.00
	Total Expenditure	-	1164097.00	900894.00	302833.00

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the institution established an Internal Quality Assurance Cell (IQAC)?

If 'yes' What is the institutional policy with regards to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

- Yes, the IQAC has been proposed from post Accreditation. Currently teaching and learning process is monitored by Academic Monitoring Committee, which will become integral part of proposed IQAC. This cell is chaired by Principal of the Institute. All Dean of Institute and HOD's of all departments are member of this committee. AMC used to monitor all the Academics, Student Feedback and overall teaching learning process to achieve maximum academic performance of the students. Guidance of advisors in term of teaching & load distribution, new faculty recruitment, procurement of new equipment's & library books is always helping the individual department to improve their performance. Faculty & staff appraisal are also looked after by AMC where it not only monitors the performance of individual faculty but also guide them to achieve their own objectives.
- AMC checks course files, theory and practical attendance sheets, Lab manuals, staff feedback etc. in every semester. Also this committee consists of mentors, class coordinators, Dean Academics, which monitors the classes and interact with students and faculty regularly and on need basis suggests remedial measures and motivates teachers to use latest technological aids.
- Monthly mentor meeting are conducted to counsel the students and to discuss issues related to academics and overall facilities. AMC inform all the issues raised by mentors & coordinators to Principal. Based on the issues raised by the above mentioned committees, the Principal takes corrective measures to improve teaching learning process

b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

- Not applicable

c. Does the IQAC have external members on its committee? If so, mention any

Significant contribution made by them.

- Not applicable

d. How do students and alumni contribute to the effective functioning of the IQAC?

- Presently this functioning has done by Academic Monitoring Committee (AMC). Feedback is taken from alumni and students through suggestion box.
- Feedback is also received essentially from alumni regarding emerging trends in the industry, efforts to enhance employability, initiatives to

promote research components and encouraging students for entrepreneurship.

- These feedbacks and suggestions will be used to improve the propose functioning of IQAC which is in under development..

e. How does the IQAC communicate and engage staff from different constituents of the institution?

- Presently this communication has been done by Academic Monitoring Committee (AMC). This cell is chaired by Principal of the Institute. Progress of the institute and various departments is monitored and assessed. Suggestions are given for discrepancies.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalization.

- Yes, the Institution has integrated frame work for quality assurance in academic & administrative activities.

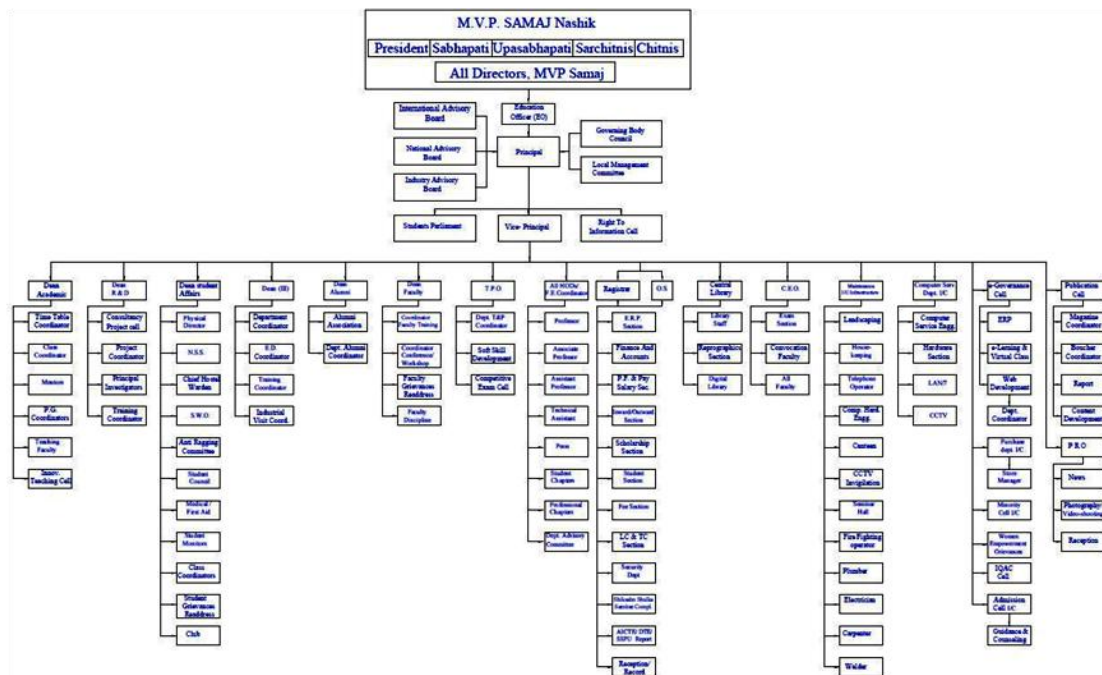


Fig.6.5 Internal Organizational Structure

- Academic and administrative activities are achieved through periodical visits of AMC.
- There are predefined framework of AMC to ensure quality in academics and administration.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact

- Yes, the institution provides training to its staff for effective implementation of the quality assurance procedure.
- Institute promotes faculty for training, seminar, workshops, conference etc.

- Staffs training programs are conducted regularly for quality improvement.
- The faculties are oriented towards maintenance of quality through guest lectures, workshops and during the meetings of principal and HOD and informed through ERP system.
- Counseling by AMC to all the staff members on quality program and practices.
- Staffs are given specific directions for quality improvement. Time to time monitoring is carried out & corrective actions are taken.
- Impact of such practices resulted in improving academic performance.

Table 6.5.3 Various Developments Programmes Attained by Staff

Academic Staff Development Programmes	No. of staff Attended			
	2016-17	2015-16	2014-15	2013-14
Refresher courses	3	5	10	6
HRD programmes	5	7	6	6
Orientation programmes	3	9	12	10
Staff Training Conducted by college	2	16	7	11
Staff training conducted by other institutions	4	14	5	7
Summer/ winter schools, workshops, etc.	6	28	28	45

6.5.4 Does the institute undertake Academic Audit or other external review of the academic provisions? If ‘Yes’, how are the outcomes used to improve the institutional activities?

Yes, the institution undertakes an academic audit and external review of the academic provisions.

- Regular meetings are conducted by Pricipal, HOD with all teaching faculty and staff for taking reviews and feedbacks regarding academic activities.
- Academic review of the department is carried out at the end of semester in academic year by HOD.
- College takes the review of academic audit through reports from the departments and result analysis at the end of semester and remedial measures are taken for improvement.
- Practices like self-appraisal reports and its review by HOD, Principal and management helps for continuous assessment of faculty, staff and resulted in significant improvement of the institute.
- Also Academic Monitoring Committee reviews the academic audit.
- The analysis and suggestions by AMC will benefit the institutional progress in quality education and research. It will also make sure about keeping the transparency in faculty, staff and management with respect to objectives towards attainment of mission and vision of the Institute.

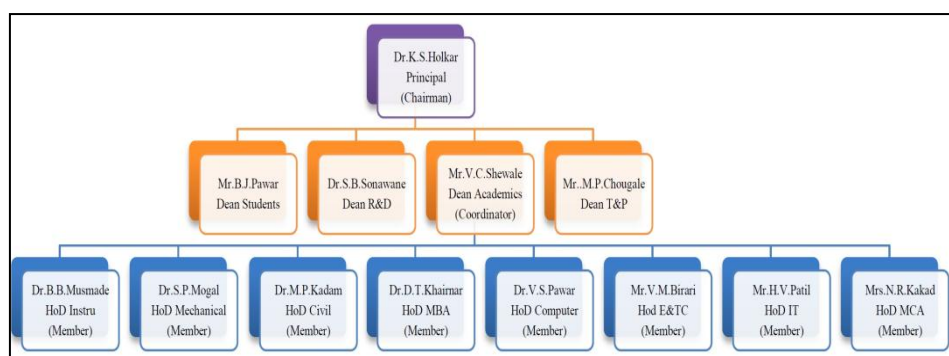


Fig.6.5.4 Members of Academic Monitoring Committee (AMC)

6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- The institution follows guidelines given by AICTE, DTE and SPPU in association with AMC. All the academic activities and processes are as per the instructions given by above authorities from time to time.
- Curriculum and its implementation, evaluation is as per the University guidelines.
- The infrastructure & staff is as per the norms laid down by AICTE, DTE.
- The admission to the program is governed by the directives given by DTE, Maharashtra state.
- The institute is monitored by SPPU & AICTE committees for compliance.
- AMC is always keen in observing and achieving performance of the institute by attainment towards mission and vision of the institute.
- Feedback is taken from eminent persons visiting to the institute.

Table 6.5.5 Members of Academic Monitoring Committee (AMC)

Sr. No	Name of Staff Member	Designation	Position
1	Dr. K.S.Holkar	Principal	Chairman
2	Prof. V.C.Shewale	Dean Academics	Coordinator
3	Prof. S.B.Sonawane	Dean R&D	Member
4	Prof. B.J.Pawar	Dean Student	Member
5	Prof. M.P.Chougale	Dean T&P	Member
6	Dr. S.P.Mogal	HOD Mechanical	Member
7	Prof. V.M.Birari	HOD E&TC	Member
8	Prof.H.V.Patil	HOD IT	Member
9	Dr. M.P.Kadam	HOD Civil	Member
10	Dr. V.S.Pawar	HOD Computer	Member
11	Dr. B.B.Musmade	HOD Instrumentation	Member
12	Dr. D.T.Khairnar	HOD MBA	Member

13	Prof. N.R.Kakad	HOD MCA	Member
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6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The Institute has the following process to plan and organize the teaching and learning as well as evaluation schedules:

Teaching and learning process:

- SPPU provides an academic calendar before the commencement of semester wherein the number of days for teaching and evaluation are available which gives a guideline to frame an Institute level academic calendar.
- Institute level academic calendar is prepared and provided to all departments before the commencement of semester.
- Principal conducts meeting with all HoD's and gives necessary guidelines on the basis of previous feedback.
- Choice based preferences are asked for next semester before the staff members proceed for vacation and load distributions is done by considering these choices.
- HoD's also assigns the responsibilities to the faculties for the activities to be conducted throughout the semester.
- The teaching plan is prepared by every subject teacher prior to the starting of the semester which includes lecture number, topics planned, date, topics covered, etc. This is monitored periodically by the HoDs.
- The subject teachers are ask to prepare/update course file which contains academic calendar, syllabus, teaching plan, subject notes, question bank on each unit, university question papers with model solution etc.
- Monthly meeting of faculties is conducted by HoD to discuss the problems if any and to take updates of the conduction of academics.

Evaluation:

The formative evaluation of students is done by following ways.

- Institute has developed internal evaluation process.
- All the information related to Exams are scheduled in advanced and displayed through academic calendar.
- Institute conducts Mock test, internal test for the students.
- Institute Evaluate the students based on Students attendance, assignments, performance in internal/Online test, students overall performance which supports the choice based credit system.
- Institute monitors the academics through Daily monitoring Reports of ERP.
- The academic progress of the Students is monitored by the Mentors and respective subject teacher.

The Summative evaluation of students is done by following ways.

- Theory - Insemester , End Semester examinations
- Online examinations.
- Oral /Practical examinations.
- The details of these examinations are announced well in advance by the SPPU.

- Institute has developed continuous Improvement process to facilitate the achievement of intended learning outcomes.

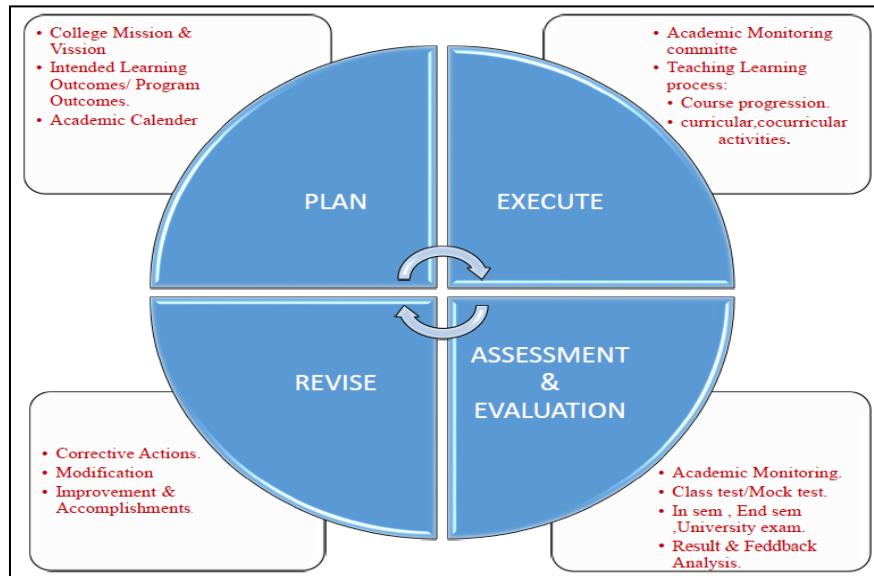


Fig.6.5.6(B)Continuous Improvement process

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The quality policies are communicated to internals

- Through institute website www.kbtcoe.org.
- Every year college publishes a prospectus
- Broachers by displaying on notice boards at different prominent places like Principal office, department floors, classrooms, laboratories, college website, Hostel, Library, etc.
- Time to time conversation with parents through induction programs.

The quality policies are communicated to External stakeholders

- Talks of HOD / Senior staff members in Parent-Teacher meet
- Alumni meet
- Industry institute meet
- Time to time conversation with eminent researchers and industrialist through Co-curricular and Extra Co-curricular activities.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

- The management of our institute is well conscious about environmental issues. The institute contributed in the activity of “Swachh Godavari Abhiyan” for controlling river pollution, cleaning and public awareness. The institute is much sensitive for making the eco-friendly campus by adopting certain measures and practices. The college has been appreciated and awarded for “green building” initiative. All the academic building laboratories are cleaned by appointed peons where as porch and campus areas are cleaned by daily-basis housekeeping staff. The institute has already considered energy conservation practices during buildings planning phase. Periodical tree plantation and gardening practices are making the campus clean and green.

7.1.1 Does the institute conduct a Green Audit of its campus and facilities?

Yes, the institute conducts green audit of the campus. The major observations are given below:

- The building performs fairly well on the criterion studied through this report. The microclimate solves various heat gain issues which are otherwise a possibility in sites which are located in urban areas.
- The site doesn't pose connectivity issues and is equally connected by bus and road networks.
- There have been measures undertaken by the designers and authorities to add on the existing plantation of the site, and to conserve top soil by landscaping. This has also reduced the heat island effect of the building thereby contributing towards the microclimate.
- The segregation of waste is a factor where it needs to work positively, as the organic waste generated at the site if be treated there itself by composting, will be beneficial and the waste will be treated at source itself.
- Rain water harvesting measures are adopted and are appreciable as it generates fairly enough water for the site functions, and increases the ground water table.
- The building is very well oriented to fetch maximum day light in major functional areas such as classrooms and labs. This saves considerably on artificial lighting requirements.
- The provision of impervious floors in the outdoor areas can further be increased by which ground water table of water will benefit, as of now it is only 40%, which should be increased to 60%, by employing perforated pavers, grass joints etc.
- The building must also harness solar energy as it has large uninterrupted facades on southern and western sides from where solar energy can be captured.
- The building however shows unutilized power sockets, and at certain places provision of power switches more than the current need, which must be kept to optimum.
- Students and staff members are totally aware of pollution that are caused by use of vehicles. Still a carbon consumption awareness programme must be undertaken to check and improve the carbon emissions at individual as well

as social level so that it avoids Air and Noise pollution in the campus due to vehicles or any other activity in it.

- The institute must also adopt suitable measures to check and dispose the E-waste generated.
- Solar lighting can be provided in the campus majorly to light up the common areas.
- The paper waste generated is being reused and sent to the recycling agencies instead of being burnt, thus it helping and maintaining the green environment.

7.1.2 What are the initiatives taken by the college to make the college eco-friendly?

1. Energy Conservation:

- The institute has taken due care for less energy consumptions including electronic ballast tube lights, electronic regulators for fans, and minimum use of Air Conditioners.
- All the older CRT based Computers are replaced by LCD monitor based Computers.
- Minimum requirement of tube lights and fans because of sufficient natural lights in class rooms, laboratories and staff cabins.
- Students and staff are motivated to use good practices such as to switch off electronic instruments, fans and tubes whenever not in use during practical hours.
- Regular replacement of UPS batteries through buy-back schemes.

2. Use of renewable energy:

- Institute has installed solar water heating system with 200 LPD capacity in the Girls hostel.
- Five solar street lights of 74 watt are installed at staff parking areas.
- One solar PV surface water pump system (1 HP) is installed for gardening purpose.
- Solar LED TV, solar educational kit, single solar parabolic cooker, seven solar SPV lanterns kept in campus for awareness purpose.
- To create awareness for the uses of renewable energy sources is through student's projects and activities for students and faculties.
-



Solar Street Light:



Solar PV Panel:



Solar Water Heater:



Solar Operated Pump:



Solar Lantern:



Solar Box Cooker:

Fig. 7.1.2 (A): Photos of solar based instruments

3. Water harvesting:

- The institute has implemented rain-water harvesting, which significantly contributed to increase ground water levels and reduce water expenses. This system is also useful for well/borewell recharging.
- The lawn, plants and flowers are watered by drips/sprinklers.
- The water taps, leakages are regularly supervised to avoid wastage of water.
- Reuse of waste water for gardening by waste water treatment plant.
- The institute contributed in the mission of “Swachh Godavari Abhiyan” for controlling river pollution, cleaning and public awareness.



Fig. 7.1.2 (B): Water harvesting at academic building-C.

4. Check dam construction:

- Not Applicable to our campus.

5. Efforts for Carbon neutrality:

- The institute adopts distributed parking areas for staff, students and visitors.
- Arranges PUC camps and motivated staff and students for periodical PUC check-up of their individual vehicles.
- Regular tree plantation by staffs, NSS students and by guests.
- ‘No vehicle day’ is implemented by the institute.
- Waste papers are properly managed to avoid CO₂ emission.
- Newspaper articles are displayed on library notice boards for creating awareness and seriousness about pollution issues among staff and students.
- Organic waste generated from gardens and trees is collected and used for composting
- Institute follows regular practice for the felicitation of invited guest by presenting saplings and books instead of bouquet.

6. Plantation:

- Tree plantation an important responsibility is handled with due care by planting good number of trees by Staff members and NSS students every year in the campus.
- The institute has adopted tree plantation policy named as “One Student, One Tree”.
- Staffs are deputed for taking care of trees and gardens.

The details of plantation are listed below:

Table 7.1.2 (A): Plantation figure.

Sr. No.	Type of Plantation	Total Number
1	Trees	675

7. Hazardous waste management:

- There is NO hazardous waste generated by institute.

8. E-waste management:

- Unrepaired electronic instruments, burned electronic components, battery cells and broken wires are kept in enclosed boxes.
- The entire institute computers are connected with LAN
- Intranet is implemented effectively
- Biomedical lab instruments and UPS batteries are exchanged by buy-back schemes.
- Old Computers and few old CRO's are donated to rural schools, colleges and ITI's for utilisation purpose.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college

Industry Advisory Board:

Industry Advisory Board established by institute for each discipline having members from local industries. In IAB meetings inputs are getting from members to enhance the quality of education with current technological trends in the industries. They also give important suggestions for industry base projects, placements, visits and collaborative activities.

E-learning:

Institute provides better platform to the students and faculties for e-learning. This improves technical knowledge of students by utilising facility of e-books, NPTEL video lectures, university question papers as well as academic software's. E-learning platform is embedded with institute ERP website.

Library Practices:

- OPAC search facility is available for students and faculties for searching books, e-books, bound journals, project-seminar reports and their location in the library.
- The appreciation awards are given by institute for maximum utilization of different library facilities by students and faculties yearly.
- To get the maximum benefit of library facilities by the students, it is kept open for extended hours i.e. 8.30am to midnight 12.00pm.

Online Mock-Test:

Institute conducts online exam mock-test for students who are in first and second year engineering for practice purpose and analysing themselves for university exams. Objective questions set by faculties are based on cognitive levels such as to increase analytical and problem solving skills. This provides guidelines to the faculty members for better practices to improve student's performance.

Skills, Knowledge and Research Encouragements:

- Appreciation of students during annual function for remarkable achievements in curricular and extra-curricular activities.
- Certification courses are conducted for skills improvements.
- Arranges and motivates students for industrial trainings and industrial projects.
- Seminar topics are given such as to increase knowledge and imagination beyond university curriculum.
- The best projects from final year class are awarded by institute to encourage other students. The project groups are also participated in university state level project competition “Avishkar” every year.
- Institute recently established “Design Innovation Centre” (DIC) in some departments like one in instrumentation and control engineering department for “design and development of signal conditioning and sensor technologies”, other two in civil and mechanical engineering department with title of “advanced techniques for environment watershed management” and “PG diploma in computer aided product design” respectively. DIC centres are sponsored by SPPU, Pune and MHRD, New Delhi and in association with MVP Samaj Sanstha, Nashik.
- Institute established “Dr. Vasant Pawar Young Engineers Lab” at “Horizon Academy Nashik” and under this activity Robotics and Automation facilities are provided. This lab develop research culture and knowledge temper in school students.
- The faculties with publications in reputed journals and participation in international conferences are recognised by presenting appreciation certificates and token of momento during teacher’s/engineer’s day.
- Consultancy services and collaborative works by faculties are appreciated by institute by giving incentives.

E-governance in academics and Administration:

- The intranet web portal is available in the campus for smooth functioning of academic and administrative functions.
- E-governance with educational ERP software facilitates automation of various activities such as Student section, Fee collection, Financial Accounts, Academic Monitoring, Exam Section, Attendance, Library, Events Managements, Meetings, Students-parents communication, Digital clearance, Online students Attendance, Teaching plan etc.
- Letters and messages to the Parent are generated with details of internal test marks, university exam marks and attendance record of their ward, periodically.

Hobby Club:

The institute encourages the students and staff to bring out their potential through extra-curricular activities for their all-round development. For this, institute established various clubs which take care of different activities under them.

- **Nature club:**

Activities like trekking, nature walk, photography and nature quiz competitions are arranged time to time. Bird watching visits are also organised under this club. This club is actively creating environment consciousness

among students and public through tree plantation, cleaning activities outside campus.

- **Cultural club:**

The appreciation of each others culture and varieties are the motto of this club. Institute takes this responsibility positively to appreciate and transmit our best culture to younger generation. Club organises various events in a cultural fest called as “Fusion” every year and also time to time participated in various activities such as music, drama, dance, stage shows, singing, and orchestra competitions outside institute.

- **Literary club:**

Institute promotes reading and writing hobbies through this club and to develop better understanding about different facts of life. Institute provides library with literature of different languages and for different age groups.

- **Sports club:**

The major objective of the club is to develop fitness level of students by inspiring them for various morning exercises and field games. The institute provides well infrastructure like GYM, volleyball, basketball court and cricket and football ground. Club has experienced physical director, who give personal attention to each student. To develop professional touch in games, coaches for different outdoor and indoor games.

SAE INDIA:

The society of automotive engineers is body looks after the latest development worldwide. Under this SAE India, organises various activities for students. The major competition is SAE SUPRA. The institute intra-department students participated in this activity every year. It is a formula one racing competition in which students are given certain specifications according to which they design, manufacture the formula one car. This develops design and innovation culture among students.

Bridge Making Competition:

The institute provides platform for students to apply skills to enhance bridge strength, capacity, cost in practical applications, students applied their skills and knowledge for innovations of bridge making that created research culture amongst students.

Idea Sparks:

The Institutes MBA department provide platform for students to call their innovative ideas in different areas. The students present and share their ideas to all participants with the platform of idea sparks activity.

Institute cell for collaborative projects and consultancy:

The objectives of the this cell is to promotes research and industry oriented collaborative projects, to provide consultancy services to industries and govt. institute, to cultivate innovation and entrepreneurship, to facilitate as an incubation centre for graduate students in providing them with hands-on experience. This cell provides various services such as research and analysis, networking, software engineering, data mining and decision support system, imaging processing, testing services, web application development, software development, technology consultancy and android app development.

Student's Parliament

The institute is taken due care of student's queries, doubts, problems, difficulties by establishing student's parliament concept. Every month there is students meeting with principal sir and students are free to ask questions on different issues and resolve their problems.

7.3.1 Best Practice:1

1. Title of the Practice

“Industry Practices”

2. Goal

- To reduce the gap between academic curriculum and industry expectations.
- To enhance skill in-line with recent industrial practices.
- To cover on and above laboratory practices to enhance practical knowledge and applications.
- To encourage the students to improve practical knowledge by handling industry-based projects and providing its solution effectively.
- To improve intra-personal skills like analysis, decision, leadership, confidence, communication, and discipline.
- To improve the faculty interaction with industry for multiple benefits such as invitation at institute, Consultancy services, industry-base projects, employability enhancement, trainings, visits and suggestions for betterments in curriculum.

3. The Context

- The institution UG and PG programmes are affiliated to Savitibai Phule Pune University and follows its syllabus for various disciplines.
- The institute industry interaction is powerful activity to enhance the practical learning experience of staff and students beyond academic curriculum.
- The overall development of the students who are technically sound, professional with the improved level of employability skills is the prime requirement in engineering and technology.
- The students have to be motivated and prepared to be innovative practices and industry ready by participation in industrial visits and actively involved in industry based projects during their graduation.
- The best practices in the industry will have to be exposed to the students and faculty, so that the outcome of the education is employability with professional competence.
- Efforts should be made to bring out the best in the students and make them to feel up to date and comfortable at work place.
- With this as the goal, an extensive industry institute interaction is planned and executed at the institution positively.

4. The Practice

- Established industry advisory board and members from the industry are in the advisory board of every department.
- Industry professionals are part of the final year practical and project evaluation process of every department and also in the Academic development of the institution.
- The student's projects from the industry are jointly guided by the faculty and the members from the industry
- The faculty members timely visit the industries, arrange industrial visits regularly, and also are being trained in the industry.
- The industry professionals contribute as experts, evaluation process, members in the advisory board to get valuable suggestions for improvement process of institute.
- The evaluation of the project work is carried out in every month as a project review by guide and stating the comments on the ongoing development process.
- Industry experts visited to institute for conducting sessions and/or interaction with faculties/students is listed below:

Table 7.3.1 (A): Industry person visited to institute.

Sr. No.	Industrial Person Visited to Campus	Company Name
1	Dr.R.S. Jha, Manager, Innovation	Thermax Ltd, Pune.
2	Dr. Parag Sonawane, Director, (R&D)	AIMID Ltd,Shenzen,China
3	Shri. Rajendra Kumar Das, Vice President	CeatTyres Ltd, Nashik.
4	Dr. Omprakash Kulkarni	Sharda Inventions, Nashik
5	Mr. Sunil Jadhav, Project Manager	Emerson, UAE
6	Mr. Nitin Lokhande, Director	ETA, Pune
7	Mr. Deepak Jain	SMEC Automation, Mumbai
8	Mr. Vinay Raju	Yokogawa, Bangalore
9	Mrs. Punam Borah	Yokogawa, Bangalore
10	Mr. A.K. Das, Director	Monorail Mumbai
11	Mr. Rajesh Bhawe	Emerson Process Management, Pune
12	Mr. Henry Hans	Emerson Process Management, Pune
13	Mr. Shirish Chaphekar	Emerson Process Management, Pune
14	Mr. Samir Patil, Manager Business Development & Control Product Development	Clyde Bergemann Power Group, Atlanta, USA
15	Mr. Aniruddha Sanvastare	Shriharsh Electronics, Nashik
16	Mr. Pralhad Dhumal	Fox Control Pvt. Ltd., Nashik
17	Dr. Vikas Shinde, Manager, R&D	Excel Industries Ltd, Mumbai
18	Mr. Sudhir Panditrao	SAN Techno Mentors Pvt. Ltd. Pune
19	Mr. Milind Chaugar	NIYO Automation, Pune
20	Mr. Milind Bhavsar	Visionary Technologies Pvt. Ltd., Nashik
21	Mr. Subhash T. Anokar, Asst. Engineer	NTPS, Nashik

22	Ms. Sucheta Sonawane, Sr Proposal Engineer	Honeywell Automation India Ltd., Pune
23	Mr. Kunal Jadhav, Manager	Mahindra & Mahindra, Nashik
24	Mr. Kapil Surve, Lead Engineer	Honeywell Automation India Ltd., Pune
25	Ms Sujata Tidme, Sr. Engineer	Multiquadrant Pvt. Ltd.
26	Mr. Bipin Deore, Manager	GlaxoSmithKline Pvt. Ltd.
27	Mr. Adarsh Jain, Director	Synctreads Computing, Mumbai
28	Mr. Vijay Shintrye, Engineer	Visionary Technologies Pvt. Ltd., Nashik
29	Mr. Tushar Shirsat, Sr. Manager	TATA Motors, Pune
30	Mr. Jay Thakur, Sr. Engineer	Nashik Thermal Power Project, Indiabulls, Sinnar
31	Ms. Vijayata Bhatt	Winjit Technology
32	Mr. Pankaj Singh	Apron Solution Pvt. Ltd.
33	Ms. Heena Jain	Akshay Study Abroad Consultants
34	Mr. Jai Prakash	Zensar
35	Mr. Akash Thakur	Zensar
36	Dr. Uday Wad, Director	Cell Beans Healthcare Informatics Pvt. Ltd. Pune.
37	Mr. Tanveer Ahmed Shaikh	Zensar
38	Mr. Nadeem Shaikh	Zensar
39	Mr. Rohit Agrawal	SEED Infotech Ltd. Pune.
40	Mr. Deepak Jain	SMECT automation ,Nashik
41	Mr. Rohit Parmar	Ardino Procesor, Latex, PCB Design, Pune.
42	Mr. Parag Salvekar	Jai Gajanan DIGI Trains ,Nashik
43	Mr. Bachhav Prashant	Arya Technology,Nashik.
44	Mrs. Archana Wadnere	Seed Infotech Ltd. ,Nashik
45	Mr. Shrikant Aatkarne	NI2 DESIGN, Pune
46	Mr. A.B. Patil	Prolific Systems, Pune
47	Mr. Gordon Noronha, Corporate Trainer	Freelancer
48	Mrs. Arya Hycinth, Corporate Trainer	Freelancer
49	Mr. Hanumant Rao, CEO	TCS
50	Mr. Mansukhbhai Prajapati, Founder	Mitticool
51	Mr.Daniel Goodman &Mr.Mohammad, Corporate Trainer	Freelancer
52	Mr.Tushar Jagtap, CA	Nashik
53	Mr.Sanjivan Tambulvadikar, CA	Nashik
54	Mr.Vishal Poddar, CA	Nashik
55	Mr. Kiran Bhide, Founder	Methkoot Restaurants
56	Mr. Amol Kadam, CEO & Co-Founder	Lionking Media
57	Mrs. Nandita Ray, Founder	Ray Consultancy Pvt. Ltd.
58	Mrs. Nita Nigam, Corporate Trainer	Freelancer
59	Mrs. Shubhangi Kundalkar, Corporate Trainer	Freelancer

60	Ms. Shinde, PSI	Cyber Cell, Nashik Police.
61	Mr. Ravindran, Manager	SIDBI

5. Evidence of Success

- Industry suggestions are taken care in addition to university curriculum in all the discipline such as organizing various value added practices, training programs and skill development programs.
- Industrial trainings are organised for the students time-to-time.
- Faculties are motivated for training/participation in the industry as well as in other institutes.
- Technical value added programs conducted by industry persons time to time.
- Students summer/winter training and project work in industries
- Guest lectures, seminars are delivered by industrial experts
- Industrial persons are invited for student/staff workshops organized by the institute.
- Consultancy and testing services provided to the industries
- Enhancement in students, campus recruitments of all the programmes
- The effort taken by staff and students are reflected in their success.
- Figures of various activities such as seminars, expert talks, trainings and workshops organized by institute for students are summarized in following table.

Table 7.3.1(B): Seminars, expert talks, trainings and workshops organized by institute

A.Y.	Expert Talks/Seminars	Trainings/Workshops
2016-17	23	28
2015-16	25	17
2014-15	15	18
2013-14	23	12

- Details of student/faculty trainings/workshops conducted in and out of institute is listed below:

Table 7.3.1(C): Student/faculty trainings/workshops conducted.

Sr. No.	Training/workshop details	Conducted by	Department	Date /year
1	Training program on DCS and PLC for faculty and students	FOX Control Pvt. Ltd., Nashik	Instru. & Control Dept.	29/12/2016 to 30/12/2016
2	Training program on DCS and PLC for faculty and students	FOX Control Pvt. Ltd., Nashik	Instru. & Control Dept.	16/12/2016 to 17/12/2016
3	Winter Training Program for Instrumentation	Rashtriya Chemicals and Fertilizers Ltd. Chembur, Mumbai	Instru. & Control Dept.	05/12/2016 to 15/12/2016

	Engineering Students			
4	Training program on “Automation Technology Covers PLC & SCADA”	Prolific System, Pune.	E&TC Dept	21/06/2016 to 24/09/2016
5	Workshop on “Electronics Products”	NDMVPS’s KBTCOE, Nashik	E&TC Dept	08/09/2016
6	Workshop on “ C Programming”	NDMVPS’s KBTCOE, Nashik	E&TC Dept	28/06/2016 to 30/06/2016
7	Embedded System	NDMVPS’s KBTCOE, Nashik	E&TC Dept	21/07/2016
8	VLSI Workshop	NDMVPS’s KBTCOE, Nashik	E&TC Dept	15/07/2016 to 16/07/2016
9	Workshop on “ PCB Design”	NDMVPS’s KBTCOE, Nashik	E&TC Dept	05/02/2016 to 06/02/2016
10	Entrepreneurship Training Program	NDMVPS’s KBTCOE, Nashik	E&TC Dept	14/07/2016 to 16/07/2016
11	Workshop on “ C Programming”	NDMVPS’s KBTCOE, Nashik	E&TC Dept	23/07/2016 to 24/07/2016
12	Vocational training program on Study of PLC and Instrumentation	TAACT, MIDC , Nashik.	Instru. & Control Dept	5/2016
13	STTP on Introduction to Structural Engineering.	NDMVPS’s KBTCOE, Nashik	Civil Dept	4/1/2016
14	PLC Training Program.	NDMVPS’s KBTCOE, Nashik	Instru. & Control Dept	19/9/2016 to 20/9/2016
15	One week training on Delta VDCS	NDMVPS’s KBTCOE, Nashik	Instru. & Control Dept	15/06/2015 to 19/06/2015
16	Six Days STTP on “C” Programming	NDMVPS’s KBTCOE, Nashik	Instru. & Control Dept	29/9/2016 to 8/10/2016
17	Inbound Training Program on Personality Development	Arya Hycinth –Pune	MBA Dept.	27/9/2016
18	Training program on VLSI	NDMVPS’s KBTCOE, Nashik	E & TC Dept	15/7/2016
19	Training program on “PCB Design” Conducted	Arya Technology, Nashik.	E & TC Dept	5/2/2016
20	Java Training	Zensar technology, Pune	IT Dept	2015-2016
21	Hibernate and	NDMVPS’s KBTCOE,	MCA Dept.	8/10/2016

	spring MVC workshop	Nashik		
22	UI Designing Sessions	NDMVPS's KBTCOE, Nashik	MCA Dept.	13/8/2016
23	Software testing Sessions	NDMVPS's KBTCOE, Nashik	Computer Dept	9/ 2016
24	Android App Development	NDMVPS's KBTCOE, Nashik	Computer Dept	17/9/2016 to 1/10/2016
25	Applied CS with Android workshop	NDMVPS's KBTCOE, Nashik	Computer Dept	24/10/2016 to 26/10/2016
26	Android App development Workshop	NDMVPS's KBTCOE, Nashik	Computer Dept	17/09/2016 & 19/09/2016
27	One day workshop on Python	NDMVPS's KBTCOE, Nashik	Computer Dept	08/02/2016
28	One Day-Outbound Training Programme	Gordon Noronha	MBA Dept	02/02/2016
29	Inbound Training Program	Arya Hycinth, Pune	MBA Dept	27/09/2016
30	Bigdata- Hadoop workshop	NDMVPS's KBTCOE, Nashik	IT Dept	14/02/2015
31	Entrepreneurship Training Programme	NDMVPS's KBTCOE, Nashik	MBA Dept	14/02/2015
32	Embedded System	NDMVPS's KBTCOE, Nashik	E&TC Dept	03/08/2015
33	Workshop on "Ardino Processor ,Latex ,PCB Design"	NDMVPS's KBTCOE, Nashik	E&TC Dept	13/02/2015 to 14/02/2015
34	Virtual Reality Sessions	NDMVPS's KBTCOE, Nashik	MCA Dept	29/7/2015
35	One Day-Outbound Training Programme	By Shubhangi Kundalkar & Gordon Noronha	MBA Dept	04/10/2015
36	Inbound Training Program	Arya Hycinth, Pune	MBA Dept	08/10/2015
37	ERP Software Training	NDMVPS's KBTCOE, Nashik	Civil Dept	2015
38	Auto-CAD Software Training	NDMVPS's KBTCOE, Nashik	Civil Dept	2015
39	Water Audit Course	NDMVPS's KBTCOE, Nashik	Civil Dept	12/2015
40	Summer/Winter Training	BOSCH Ltd, MIDC, Satpur, Nashik.	Mechanical Dept.	2014-15
41	Summer/Winter Training	HAL, Ozar Nashik	Mechanical Dept	2014-15
42	Summer/Winter	Mahindra &	Mechanical	2013-14

	Training	Mahindra Ltd.	Dept	
43	Google Apps Workshop	NDMVPS's KBTCOE, Nashik	Computer Dept	21/10/2013
44	ERP Software Training	NDMVPS's KBTCOE, Nashik	Civil Dept	2013
45	Training program on DCS	Yokogawa Ltd, Banglore.	Instru. & Control Dept.	21 07/2014 to 25/07/2014
46	Four days Training on Automation using PLC, SCADA for students	NDMVPS's KBTCOE, Nashik	Instru. & Control Dept.	02/09/2015 to 05/09/2015

- Faculty members industry interactions, industry-based projects of students and industrial visits organized by institute is given below:

Table 7.3.1 (D): Industry interactions, industry-based projects of students and industrial visits organized by institute

A.Y.	Faculty interactions /visits with industry	Industry based projects by students	Industrial Visits Organized
2016-17	44	47	33
2015-16	28	40	25
2014-15	15	26	19
2013-14	24	20	25

- The interaction of industrial persons with institute is built through MoU's by different departments. List of MoU's with industries is given below:

Table 7.3.1(E): MoU's with industries

Sr. No.	Name of Organization Signing MoU	Purpose of MoUs/ Activity	Name of the Beneficiary department
1	Systems, Application and product in data Processing (SAP), Banglore	Train the students in SAP modules HCM (Human Capital management), SD (sales and Distribution), ABAP (Advanced Business Application Programing, FI (Financial Accounting) and MM (material Mangment) to understand the busness activites of the organization	MBA, MCA, Computer, Mechanical, E&Tc, IT, Civil and Instrumentation and Cotrol Engineering
2	Zensar Technologies, Pune.	To train the students in employability skills, JAVA and Advanced JAVA course	Computer Engineering and Information Technology
3	Fox Solutions Nashik	Industrial Training, Industrial Visit, Projects, Placements, Expert Talks	Instrumentation and Control Engineering

4	Microtech System Services Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	Instrumentation and Control Engineering
5	Boost Electronics, Ambad, Nashik	Industrial Training, Industrial Visit, Projects, Placements.	
6	Visionary Technologies, Nashik.	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
7	Teknocrat's academy of Automation & Control Technologies Nashik	Industrial Training, Industrial Visit, Projects, Placements.	
8	Copper Track Industries, Nashik	Industrial Training, Industrial Visit, Projects, Placements.	
9	Shriharsh Electronics, Nashik	Industrial Training, Industrial Visit, Projects, Placements.	
10	Cyberedge Web Solutions Pvt. Ltd. Nashik	Knowledge sharing, Industrial Visit, Campus Placement, Internship	MCA
11	Emerging Technologies Nashik	Knowledge sharing, Industrial Visit, Campus Placement, Internship	
12	UMS Tech Labs Nashik	Knowledge sharing, Industrial Visit, Campus Placement, Internship	
13	Internauts ,A Web Design Agency,Nashik	Knowledge sharing, Industrial Visit, Campus Placement, Internship	
14	Zabuza Labs, Nashik	Knowledge sharing, Industrial Visit, Campus Placement, Internship	
15	Sampoorna Bamboo Kendra Address: Lavada, Melghat, Amravati.	Knowledge Sharing	MBA
16	Sunrise Candles Moreswar, Mahabaleshwar, Satara	Knowledge sharing, Industrial Visit, Campus Placement	
17	Sahyadri Agro Farms Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
18	Startup Farms Nashik	Knowledge sharing, Campus Placement	
19	Swati Investment Nashik	Knowledge sharing, Campus Placement	
20	Astiwz Infotech, Nashik.	Knowledge sharing, In Plant Training	Computer
21	Avasthi's IT Training and Solution(AITS), Nashik.	Knowledge sharing, In Plant Training	
22	Advent Engineer's, Nashik	Knowledge sharing, In Plant Training	

23	Spectra Innovation, Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	E & TC
24	Quantaflux Technology Solution Pvt. Ltd Pune	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
25	Yashika Energy Systems Pvt. Ltd, Ashok Shambh, Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
26	Celestial Plastic Hub, MIDC Ambad, Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
27	Digilog Systems, Nashik	Knowledge sharing, In plant Training, Industrial Visit, Campus Placement	
28	Anubhooti Infrastructures Pvt. Ltd. Nashik	Site Visit, Knowledge Shearing, On -Site training	Civil
29	Niwara Builders and Developers Nashik	Site Visit, Knowledge Sharing, On -Site training	
30	Jalchintan Engineering Trust Nashik	Site Visit, Knowledge Sharing, On -Site training	
31	Akash Industries Nashik	Industrial Visit, Project work	Mechanical
32	Deol Industries Nashik	Industrial Visit knowledge sharing	
33	Bhagyashree Engineering Pvt. Ltd Nashik	Industrial Visit. Project knowledge sharing	IT
34	Winjit Technology, Nashik	Training, Projects, Visits	
35	Glostream Technology, Nashik	Training, Projects, Visits	
36	Neumann Systems Consultancy Pvt. Ltd, Nashik	Training, Projects, Visits	

Table 7.3.1(F): Figure of placement is given below:

Academic Year	Placement
2016-17	19
2015-16	86
2014-15	71
2013-14	49

6. Problems Encountered and Resources Required

- Focus of the faculty members from regular teaching.
- Establishing practical approach amongst the faculty to bridge industry expectations.
- Time management of curriculum and industrial interactions.
- Review of student's project during the development phase and testing phase i.e. faculty members with the area of specialisation.

- Institute highly motivated and adopts skill developments activities in the campus through different external bodies.

7. Contact Details

Name of the Principal:	Dr. Kailas S. Holkar		
Name of the Institution:	N.D.M.V.P.S's Karmaveer Advocate Baburao Ganpatrao Thakare College of Engineering.		
City:	Nashik		
Pin Code:	422 013		
Accredited Status:	Not Accredited		
Work Phone:	0253-2571439/2582891		
Website:	www.kbtcoe.org	Fax:	0253-2317016
Mobile:	9822379056	Email:	principal@kbtcoe.org

7.3.2 Best Practice:2

1. Title of the Practice

“Collaborative counselling and mentoring”

2. Goal

- To develop effective mentoring relationship that is characterized by mutual respect, trust, understanding and empathy.
- To make an effort to know, accept and respect the goals and interests of students.
- To help a student to optimize an educational experience.
- To assist the student's socialization into a disciplinary culture.
- Help the student to find suitable employment by making the right suggestions.
- To develop strategies for addressing students development needs such as advising, counselling, coaching and mentoring.
- To guide common science student in taking right decision for their future technical career.

3. The Context

- In academics mentor is faculty adviser. The difference between mentoring and advising is need to reduced.
- Mentoring is a personal, as well as professional relationship.
- A mentoring relationship develops over an extended period, during which a student's needs and nature of relationship tends to change.
- A mentor will try to be aware of these changes and vary the degree and type of attention, help, advice, information, and encouragement that he or she provides.
- Several strategies and efforts have been deployed to address student's development needs, including advising, counselling, coaching and mentoring.

- The mentoring sessions not only focuses on students learning and educational experiences, but seeks to connect students' academic interest and skills with their personal and career ambitions.
- The mentoring supports create a safe environment in which students can learn by joy and developing personally and professionally.
- Rural students need to guide and counselling properly at the time of career selection and up to career developments with considering their economic and educational backgrounds.

4. **The Practice**

To enhancing student learning, maximize positive students outcome and for the effectiveness of mentoring program below mentioned combined practices are followed by institute with external professional counsellor.

- **Faculty Mentoring Practices:** The key steps followed such as careful listening, keeping in touch, building relations and handling issues.
 - Each faculty of the institute acts as a counsellor cum mentor in the counselling and mentoring process.
 - Each counsellor is responsible for guiding approximately 20 students of a class.
 - The faculty listen to their problems both academic and personal which hinder their learning abilities.
 - In the counselling cum mentoring sessions, student raise their difficulties and problems regarding academics, general facilities, hostel facilities with their respective counsellors.
 - The counselling/mentoring coordinator examines their problems and discusses with authorities to find a better solution for their grievances.
 - By adopting three basic steps in this process are: mentoring-advising, mentoring-counselling, and mentoring-coaching.
 - The counselling is not only restricted to institute students but also for science students at various rural and urban areas for their career guidance.
 - Established training and innovation centres for students in institute.
 - Organising and involvement in different programs for students such as career experience sharing knowledge, emotional and moral encouragements, soft skills development, technical knowledge enrichment, industrial visits, social awareness and sources of information in obtaining opportunities.
- **Professional counselling and guiding Practices:**
 - Institute organizes counselling programs in the campus for students over all development.
 - Providing self-assessments tools.
 - Goal-setting exercises, time management, asking thought-provoking key questions and study skills.
 - Learning experiences outside the classroom by visits at various organisations/ sites.
 - Role playing such as practicing interviews, preparing how to talk to employers, learn how to address uncomfortable.
 - Providing training or orientation to the students.

- Provide objective feedback and guidance.
- Fostering critical thinking
- The soft skills/expert talk organized by institute for students motivation and overall personality developments

The below table shows total figures of personality and knowledge enrichment programmes organized by institute.

Table 7.3.2 (A): Soft skills/expert talk organized by institute:

Department	Soft skill and Expert Talks			
	2016-17	2015-16	2014-15	2013-14
Mechanical	06	01	01	03
Instrumentation	05	07	04	08
E &TC	04	02	02	08
Computer	04	00	00	00
IT	02	01	00	00
Civil	05	07	04	04
MBA	06	07	12	00
MCA	04	03	02	01

- The below table shows various motivating/guiding activities organized for students:

Table 7.3.2(B): Motivating/guiding activities organized by institute:

Sr. No.	Title of Programme	Date of Event	No. of beneficiaries
1	Higher Education in foreign universities	24/01/2014	60
2	Higher Education in foreign universities	16/01/2015	60
3	Higher Education in Germany	31/07/2015	100
4	Higher Education in Germany	01/08/2014	114
5	Traffic Awareness Training Program at Children Traffic Education Park ,	17/09/2016	78
6	Soft Skill Program.	08/07/2016	157
7	Soft Skill Program.	01/07/2016	134
8	Soft Skill Program.	08/01/2016	138
9	Gender Equality.	06/08/2015	42
10	Workshop on“ Personality Development”	16/02/2015	59
11	Workshop on “ Personality Development”	05/09/2014	30
12	Workshop on “ Personal Power”	22/02/2014	74
13	Campus to Corporate	14/09/2013	129
14	How to face GATE	27/07/2013	66
15	How to crack GATE & CAT	25/7/2013	67

16	Personality Development	6/7/2013	80
17	Soft Skill Development By Nandita Ray	10/09/2013	60
18	Soft Skill Development By Neeta Nigam	01/09/2014	60
19	Soft Skill Development By Gordon Sir	05/03/2015	60
20	Soft Skill Development By Gordon Sir	22/08/2016	56
21	New Technological Developments & Career Opportunities in Japan	5/01/2016	30
22	Scope of Engineer in Astronomy	31/12/2013	40
23	Automation A Booming Field	7/3/2014	40
24	Outbound Training Programme on Personality Development By-Arya Hycinth -Pune	27/09/2016	40
25	Outbound Training Programme on Personality Development By-Arya Hycinth -Pune	8/10/2015	40
26	Outbound Training Programme on Personality Development By-Arya Hycinth -At Pachgani	25/02/2015 to 27/02/2015	45
27	Outbound Training Programme on Personality Development By-Arya Hycinth -Pune	27/09/2016	42
28	Entrepreneurship Development By Er. Avinash Shisode	16/09/2016	200
29	View towards the life By Dr. Sunil Kute	12/01/2016	200
30	Entrepreneurship Awareness Camp	24/10/2016 to 26/10/2016	15
31	Traffic Awareness Training Program at Children Traffic Education Park	17/09/2016	78
32	Dharampur Science Center, Garden Road, Dharampur, Gujrat.	29/07/2016	70
33	Entrepreneurship Training Program	14/07/2016 To 16/07/2016	15
34	AICTE-BSNL Employability Enhancement Program	11/08/2014	30
35	Emotional Freedom Technique EFT	31/01/2014	118
36	Atticates & Manners	5/9/2013	130
37	Inbound Training Program by Arya Hycinth	10/09/2014	60
38	Three-Days Outbound Training Program by Arya Hycinth	25/02/2015 to 27/02/2015	20
39	Interactive soft skill workshop for faculty under "SANKALP" By Dr. Vinod Parekh	16/09/2016	12
40	Youth Development Program (YDP) (Mock Interview) for students under "SANKALP" By Dr. Vinod Parekh	27/09/2016	88

41	UPSC and MPSC Exam Preparation By Mr Ravindra Khatale	29/07/2016	111
42	Education In Germany By Mr Ramlingam	01/08/2016	114
43	Higher Education Study Guidance (GRE & TOFEL) By Mohit Baste	01/09/2016 to 02/09/2016	194
44	How to prepare for Interview, Youth Development Program (YDP) for students under "SANKALP" By Dr. Vinod Parekh	29/09/2016	91
45	Aptitude test for SAP Training program	28/01/2016	130
46	Skill Development Training program By Barkley's NSDC	30/01/2016	189
47	Youth Development Program (YDP) (Aptitude Test) for students under "SANKALP" By Dr. Vinod Parekh	06/10/2016 to 08/10/2016	15
48	Youth Development Program (YDP) (Aptitude Test) for students under "SANKALP" By Dr. Vinod Parekh	13/10/2016 to 15/10/2016	15

- To guide and develop students in all aspects institute faculties are actively participated in various enrichment programs.

Table 7.3.2(C): Various skill enrichment programs:

Academic Year.	Trainings/STTP/FDP	Workshops/Seminar/conferences
2016-17	12	13
2015-16	40	41
2014-15	24	44
2013-14	22	85

- The following research and design innovation centers are established in institute for skills development:

Table 7.3.2(D): Research and Design Innovation Centres

Sr. No.	Name of the innovation centre and training program	Place
1	Design and development of signal conditioning and sensor technologies	Instrumentation and Control Engineering
2	Advanced techniques for environment watershed management	Civil Engineering
3	Post graduate diploma in computer-aided product design	Mechanical Engineering
4	Remote Centre and Aakash Centre, IIT, Bombay and IIT Kharagpur, National Mission on Education through ICT. (MHRD, Govt. of India)	Institute Level

- The approximate number of student per mentor faculty is given below:

Table 7.3.2(E): Number of student per mentor

Academic Year	No of students per mentor			
	2016-17	2015-16	2014-15	2013-14
Mechanical	24	24	24	24
Instrumentation	13	13	13	13
Civil	26	26	26	26
Computer	25	25	25	25
IT	17	17	17	17
E&TC	19	19	19	19
MBA	19	18	19	18
MCA	17	12	17	17

- Details of career guidance visits for science students at variousr Institutes:

Table 7.3.2(F): Career Guidance

Sr. No.	Date	Name of the college visited	Name of Counsellor	No of students
1	04/08/2015	Arts, Science & Commerce College, Nandgaon	Prof. Y.P.Patil & Prof. S.B.Lukare	60
2	06/08/2015	Karm. KKW College,Pimpalgaon	Prof. V.A.Ahirrao	50
3	06/08/2015	Karm. Wavare College, Cidco, Nashik	Prof. S.H.Jadhav	60
4	06/08/2015	Arts, Science & Commerce College, Dindori	Prof. D.B.Ghodke	55
5	06/08/2015	Arts, Science & Commerce College, Vani	Prof. D.B. Ghodke	50
6	06/08/2015	Arts, Science and Commerce College, Satana	Prof. V.A.Ahirrao	60
7	06/08/2015	Arts, Science and Commerce College, Igatpuri	Prof. S.H.Jadhav & Prof. B. N. Shinde.	60
8	7/8/2015	Arts, Science and Commerce College, Niphad	Prof. Y.P.Patil & Prof. A.R. Choudhri	60
9	7/8/2015	KTHM College, Nashik	Prof. S.H.Jadhav	52
10	7/8/2015	Arts, Science and Commerce College, Devlali Camp	Prof. A.K.Patil	60
11	7/8/2015	Arts, Science and Commerce College, Sinnar	Dr. B.B.Musmade and Prof. V. M. Birari	60
12	7/8/2015	Arts, Science and Commerce College, Saikheda	Prof. Y.P.Patil	50
13	7/8/2015	Arts, Science and Commerce College, Tribakeshwar	Prof. S.R.Pandit and Prof. V. P. Gawai	55
14	8/8/2015	CMCS College, Nashik	Dr. B.B. Musmade	57

5. Evidence of Success

- It has been proven to increase academic success rates among students.

Table 7.3.2(G): Final Year Result in Percentage

Sr.No.	Branch	Final Year Result in Percentage			
		2016-17	2015-16	2014-15	2013-14
1	Civil Engineering	NA	91.20	97.18	98.38
2	Computer Engineering	NA	92.30	98.67	92.42
3	Information technology	NA	94.59	98.63	98.41
4	Electronics and telecommunication Engineering	NA	94.66	97.36	85.71
5	Instrumentation and control Engineering	NA	71.42	93.03	89.83
6	Mechanical Engineering	NA	68.84	95.12	88.20
7	Master in business administration	NA	94.44	91.23	85.71
8	Master in Computer Application	NA	98.59	96.05	92.59

- The outcome of counselling is reflected in admission process as given below:

Table 7.3.2(H): Admission Details

A.Y.	Number of Sanctioned Seats	Number of Admissions	Percentage Admissions
2016-17	568	447	78.69
2015-16	568	528	92.95
2014-15	568	499	87.85
2013-14	568	510	89.78

- The faculty counselling effort results into good entry-level marks/score is reflected below:

Table 7.3.2(I): Entry-level marks/score

Discipline	Entry level marks/score of admitted students			
	2016-17	2015-16	2014-15	2013-14
Mechanical	105	92.59	91.5	122
Civil	99	82.27	82.71	122
Computer	106	82.75	90.14	114
IT	97	73.76	64.04	85
E & TC	94	79.02	77.75	114
Instrumentation	82	76	70	64
MBA	92.07	76.01	81.6	178
MCA	NA	82	---	---

- Students are encouraged to prepare for various competitive exam by faculty mentors:

Table 7.3.2(J): Various competitive exam performance

Sr. No	Year	GATE	CAT/ GRE	GMAT / TOFEL	MPSC	ZP/ BMC	Total
1	2016-2017	NA	NA	NA	NA	NA	NA
2	2015-2016	06	02	05	NIL	NIL	13
3	2014-2015	05	07	06	04	02	24
4	2013-2014	10	03	04	02	NIL	19

- The percentage of students progressing to higher education

Table . 7.3.2(K): Students progressing to higher education

Student Progression	Branch	Student progression (%)			
		2016-17	2015-16	2014-15	2013-14
UG to PG	Mechanical	NA	1.58	13.70	9.77
	Civil	NA	25	31.66	16.67
	Computer	NA	1.81	9.41	10
	Information Technology	NA	Nil	13.69	9.52
	Electronics and Telecommunication	NA	5.32	10.63	8.69
	Instrumentation and Control	NA	00	13.20	1.72

- To develop overall personality students are guided for involvements in sports activities outside institute:

Table 7.3.2(L): Sports participation by students

Name of Sport	2016-17	2015-16	2014-15	2013-14
Table Tennis (Men)	05	05	05	---
Table Tennis (Women)	03	---	---	---
Lawn Tennis (Women)	01	---	---	---
Archery (Women)	01	01	---	---
Coning (Women)	01	---	---	---
Swimming, Diving & Water Polo (Men)	08	10	11	02
Swimming (Women)	--	01	---	---
Badminton (Men)	05	05	05	04

Badminton (Women)	---	05	---	---
Chess (Men& Women)	05	---	---	03
Volleyball (Men)	---	10	---	09
Football (Men)	---	15	15	15
Kabaddi (Men& Women)	12	11	11	----
Kho-Kho (Women)	03	---	---	---
Boxing (Men)	04	02	---	---
Cricket (Men)	16	16	03	---
Baseball (Men)	14	----	---	---
Kho-Kho (Men)	01	---	---	---
Judo (Men)	01	---	---	---
Yoga Sana (Women)	03	---	---	---
Athletics (Men& Women)	01	04	---	05
Squash Racket(Men)	---	---	01	---
Cycling (Men & Women)	---	---	02	---
Cross Country (men)	---	---	03	---
Basketball (Men)	---	---	---	08

- Industrial and institutional trainings attended by the faculties is listed below:

Table 7.3.2(M): Industrial/institutional trainings

Academic Year	Number of Training Programs Attended by Faculties	Workshops/Seminar/Conferences
2016-17	02	71
2015-16	14	60
2014-15	10	52
2013-14	10	27

- Students involvement in social activities which promotes citizenship role:

Table 7.3.2(N): Involvement in social activities

Sr. No.	Name of social activity	Date	No. of Students
1	Tree plantation on MVP Samaj Din	19/08/2013	20
2	Tree plantation on MVP Samaj Din	19/08/2014	20
3	Tree plantation on MVP Samaj Din	19/08/2015	20
4	Tree plantation on MVP Samaj Din	19/08/2016	20
5	Blood Donation Camp	04/03/2014	121

6	Blood Donation Camp	25/09/2014	103
7	Blood Donation Camp	29/09/2015	85
8	Blood Donation Camp	2016-17	102
9	Road safety Abhiyan in association with RTO, Nashik	20/01/2015	45
10	Road safety Abhiyan in association with RTO, Nashik	06/10/2015	45
11	Annual YIN (Young Inspiration Network) camp for holistic development	31/05/2015	01
12	Dr. Babasaheb Ambedkar District level intercollegiate Mock Parliament competition	25/01/2016	01
13	Intercollegiate Clean Nashik Competition in Association with JCI	2013-14	60
14	Mission Clean Godavari	2014-15	60
15	Project Divyang	2014-15	60
16	Project Bandhan	2015-16	60
17	Village Adoption Program (Rajewadi)	2015-16	60
18	NSS Camp (2013-14)	23/12/13 to 30/12/13	75
19	NSS Camp (2014-15)	15/12/14 to 21/12/14	75
20	NSS Camp (2015-16)	21/12/15 to 27 /12/15	75
21	NSS Camp (2016-17)	19/12/16 to 25/12/16	75

6. Problems Encountered and Resources Required

- Mental-health and career counselling are the most common development areas need to be address.
- Career related counselling faces problems by constantly changing students need due to the fluctuating economy, innovations in technology, communications and new hiring trends.
- The work of mentor is not only confined to one particular set of questions or goals.
- The selection of academic program and courses is based on merit basis.
- The development of life and career goals of each student.
- Challenges related with struggle with anxiety, depression and other life and relationship stresses.

7. Contact Details

Name of the Principal:	Dr. Kailas S. Holkar
Name of the	N.D.M.V.P.S's Karmaveer Advocate Baburao Ganpatrao Thakare

Institution:	College of Engineering.		
City:	Nashik		
Pin Code:	422 013		
Accredited Status:	Not Accredited		
Work Phone:	0253-2571439/2582891		
Website:	www.kbtcoe.org	Fax:	0253-2317016
Mobile:	9822379056	Email:	principal@kbtcoe.org

7.3.3 Best Practice:3

1. Title of the Practice

“Research based Practices”

2. Goal

- To identify the state-of-art research areas
- To motivate the faculty and student to conduct research activities.
- To organize conference, workshop, seminar and departmental technical events to create awareness among faculty and students about emerging trend in engineering and technology.
- To frame institute policies for improvement of research based practices.
- To create the awareness about various funding scheme and to motivate the faculty to write good research proposals.
- To organize the visits to research centres and industries.
- To motivate the staff to pursue higher studies specially Ph.D.
- To create the awareness about patent/innovating intellectual rights.
- To encourage for the consultancy services in related areas.
- To motivate the faculty to present/publish the research paper at reputed conference/journals.
- To develop research culture in institute and lifelong learning skills among students.
- To established innovation centre, research centre in the institute.

3. The Context

- Creating engineering manpower of global standards will require involving participation of faculty and students in the planning, decision making and implementation process.
- Encouraging faculty to do research will improve the reasoning skill of students in classrooms and awareness among the students about recent technological development in society, which in turn will make the students one of the best entrepreneurs.
- By cultivating research culture among faculty and students, teaching- learning process can be implemented innovatively.
- There is better conceptual understanding of the subject among the students.

- The research and industry based practices helps to develop practical exposure to the students.

4. The Practice

- It is necessary to inculcate research culture among faculty and student so as to develop a high quality engineers of global standards, however still below mentioned practices are followed by institute:
- Eminent speakers from related area guide the faculty and students for developing good research culture and activities.
- Institute sponsors and deputed the faculty for attending FDP, STTP, QIP workshops, symposium, national/international conference etc.
- Institute organizes industry and research centres visits and motivated for sponsored or industry based projects.
- Institute organises various activities to enhance the soft skills of the faculty and student.
- The experts from research organization like IIT, NIT, Universities, Industry Research centres, industries and Autonomous institutes have visited the institute and interacted with the faculty and students and made them aware about the various possibilities available to do good research work.
- Eminent professors from IITs, NITs, COEP, VIT, SPPU, SRTMU and other universities have visited and contributed to organize conferences, seminar & workshop at our institute.
- Institute organizes departmental symposium and providing platform for students to enrich their talents through various activities such as paper presentation, project, mathematical quiz, poster competition, gaming and robotics competitions etc.
- Institute also organizes entrepreneurship development programs and awareness towards patent.
- Institute faculties are motivated and doing Ph.D. at various universities so developing research culture, this improves contribution in research by publications.
- Institute developed PG research lab with equipment and softwares according to the requirement of research work and student can use various equipments available in laboratories.
- Students are also motivated to participate in university, zonal and state level technical competition like “Avishkar” every year.
- Departmental symposium organised for students every year, the details are given below:

Table 7.3.3(A): Departmental symposium

Sr. No.	Department	Event	No of Participants (2015-16)
1	Mechanical Engineering	MECHANZAA	322
2	Mechanical Engineering	SAE SUPRA	23
3	Civil Engineering	NIRMAN	190
4	Computer Engineering and Information Technology Engineering	C-WAR AND KSHITIJ	193

5	Electronics and Telecommunication Engineering	ELICIT	380
6	Instrumentation and Control Engineering	INSTRUBOTICS	64
7	Master of Business Administration	IDEA SPARK	50

- Number of Faculty received grants/funds:

Table 7.3.3(B): Funded Projects

Nature of the Project	Year	Name of PI	Name of the funding agency
Minor projects	2011-13	Dr. B.B. Musmade	BCUD, SPPU, Pune
Minor projects	2012-14	Dr.P.G. Gaikwad	BCUD, SPPU, Pune
Minor projects	2012-14	Mr.Y.B. Chaudhary	BCUD, SPPU, Pune
Minor projects	2014-16	Mr.S.Y.Pawar	BCUD,SPPU, Pune
Minor projects	2014-16	Dr. A. B Saner	BCUD, SPPU, Pune
Minor projects	2016-18	Mr. V. C. Shewale	BCUD, SPPU, Pune
Minor projects	2016-18	Mrs.S.H. Jadhav	BCUD, SPPU, Pune
Minor projects	2016-18	Mrs.R.N.Mahale	BCUD, SPPU, Pune
Minor projects	2016-18	Dr.S.R.Pachorkar	BCUD,SPPU, Pune
Minor projects	2016-18	Dr.S.J. Kokate	BCUD, SPPU, Pune
Major projects	2016-19	Dr.S.B. Sonawane	SERB, DST, Govt. of India
Interdisciplinary projects	2016-19	Dr. N. S. Patil (Asst. Coordinator-DIC)	SPPU, Pune & MHRD New Delhi
Industry sponsored project	2016-17	Mr. Y. P. Patil	Excel Industries Ltd.,Navi Mumbai
Students research project	2014-15	Prasad Chavan (Mechanical Student)	NDMVPS's KBT College Engineering, Nashik
Students research project	2015-16	Sachin Kulkarni	NDMVPS's KBT College Engineering, Nashik
Remote Centre	2013-14	Mrs. S.H.Jadhav	IIT Bombay, IIT Kharagpur
Remote Centre	2014-15	Mrs. S.H.Jadhav	IIT Bombay, IIT Kharagpur
Aakash Centre	2014-15	Mrs. S.H.Jadhav	IIT Bombay

Remote Centre	2015-16	Mrs. S.H.Jadhav	IIT Bombay, IIT Kharagpur
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- To develop research based practices, eminent personalities must be visited or called as a resource person to institute time-to-time for guidance, motivation and counselling. The number of scientists/ researchers visited to institute are listed below:

Table 7.3.3(C): Scientists/ researchers visited to institute

Academic Year	Number of researchers/scientist visited
2016-17	04
2015-16	13
2014-15	05
2013-14	04

- Few names of scientist/researchers visited to institute is listed below:

Table 7.3.3(D): Names of scientist/researchers visited to institute

Sr. No.	Date	Name of scientist /research person visited to institute	Department
1	26/6/2016	Padma Shri Dr. Deepak Phatak, Scientist, Dept. of Computer Science, IIT, Bombay	Instrumentation
2	10/12/2014	Dr. PSV Natraj, Professor, IIT Bombay	Instrumentation
3	2015-16	Dr. S.N. Sharma, SVNIT, Surat	Instrumentation
4	2015-16	Dr. Vivekanand Mishra, SVNIT, Surat	Instrumentation
5	5/1/2016	Dr. Pankaj M. Koinkar, Scientist, Tokushima University, Japan	Instrumentation
6	27/1/2016	Dr. Venkatesh Raghvan, President, EPCOS, Ltd., Nashik	Instrumentation
7	27/1/2016	Dr. M. D. Patil, RAIT, Nerul, Mumbai	Instrumentation
8	27/1/2016	Dr. Vishwesh Vyawahare, IIT Bombay	Instrumentation
9	28/1/2016	Dr. K. S. Holkar, KKW IEER, Nashik	Instrumentation
10	5/2/2016	Dr. Umesh Gupta, IIT Bombay	Instrumentation
11	14/9/2016	Dr. Omprakash G. Kulkarni	Instrumentation

12	26/10/2016	Dr. Vikas Shinde, Manager R&D, Excel Industries Ltd, Mumbai	Instrumentation
13	2014-15	Dr. Deepak Khare IIT Roorkee.	Civil
14	2014-15	Dr. H. S. Patil SVNIT Surat.	Civil
15	2015-16	Dr. V.L Manekar, SVNIT, Surat	Civil
16	8/10/2013 & 9/10/2013	Dr. S. B. Nimse, VC, SRTM University, Nanded	MBA
17	29/01/2015	Daniel Goodman & Mohammad, Scientist, MIT, USA	MBA
18	3/10/2013	Mr.N.L.Soni.Senior Scientist, BARC,Mumbai	Mechanical
19	4/10/2013	Dr.D.V.Bhat, Professor, SVNIT, Surat.	Mechanical
20	4/10/2013	Dr.V.M.Phalle,Head VJTI,Mumbai	Mechanical
21	4/02/2016	Dr. K.N. Iyer, IIT Bombay	Mechanical
22	4/02/2016	Dr. R.P.Vedula, IIT Bombay	Mechanical
23	4/02/2016	Dr. Sridhara Sheshadri, IIT Bombay	Mechanical
24	5/02/2016	Dr.Avsar Lakdawala,Nirma University,Ahmedabad.	Mechanical
25	5/02/2016	Dr. Pankaj Jagad, Nirma University, Ahmedabad.	Mechanical
26	5/02/2016	Dr.Atul Srivastava IIT Mumbai	Mechanical
27	14,15/02/2014	Dr. M.B. Kokare, SGGS IET, Nanded.	Computer
28	24/07/2014	Dr. M.U. Kharat, MET's IOE, Nashik	Computer
29	27/08/2015	Dr. D.V.Patil, GESCOE, Nashik	Computer
30	09/09/2016	Dr. M.R.Sanghavi, SNJB's COE, Chandwad	Computer

5. Evidence of Success

- Many faculty members have applied for research grants and many have been provided research grants from various funding agencies.
- Maximum faculty members have registered for Ph.D. and few more are in the process of registration.
- Details of on-going and completed projects and grants received during the last four years is given below

Table 7.3.3(E): On-going and completed projects and grants received

A.Y.	No. of faculty received grants	Funding Agencies	Project Type	Total funding in lakhs
2016-17	08	BCUD, SPPU, Pune, SERB, DST, Govt. of India ,MHRD, New Delhi, Excel Industries Ltd.,Navi Mumbai	Minor projects, Major projects, and Design Innovation Centre	160.19
2015-16	01	IIT, Bombay	Remote Centre	2.8
2014-15	03	BCUD, Pune and IIT, Bombay	Minor projects and Remote Centre	11.28
2013-14	01	IIT, Bombay	Remote Centre	1.17
2012-13	02	BCUD, SPPU, Pune	Minor projects	3.35
2011-12	01	BCUD, SPPU, Pune	Minor projects	0.44

- Number of faculty members motivated by the institution for research and higher studies is given below.

Table 7.3.3(F): Faculty Higher Education Figures

Qualification	No. of staff
PhD (Completed)	13
PhD (Pursuing)	35
PG (Completed)	74

- Patent details are given below:

Table 7.3.3(G): Patents details

Department	Faculty	Title	Status
Mechanical Engineering	Dr.S.B. Sonawane	Nano Coolant for heavy Gearbox cooling	Applied
Mechanical Engineering	Mr.A.A Kapse	Obtaining purified drinking water from boiler blow down in thermal & nuclear power plant	Applied
Mechanical Engineering	Miss. Sayali Kerure	A system for Four wheeler Vehicle Tire maintenance	Received

- Faculty publications count is given below:

Table 7.3.3(H): Faculty research publication details

Sr. No.	Journal publications	Conference publications
1	107	142

- Number of co-curricular activities organised by institute:

Table 7.3.3(I): Co-curricular activities organised by institute

A.Y.	Workshops	FDP/STTP	Trainings	Seminar
2016-17	02	--	01	01
2015-16	05	01	02	04
2014-15	05	01	01	01
2013-14	10	--	--	02

- Number of co-curricular activities attended by faculty:

Table 7.3.3(J): Figures of co-curricular activities organised by institute

A.Y.	Workshops	Trainings/STTP/FDP	HRD	Orientation
2016-17	05	04	---	03
2015-16	23	17	08	09
2014-15	23	06	01	12
2013-14	36	05	02	10

- Student's participation in project exhibitions/innovations and contests is good platform for creating research mind-set among students and get motivated for further involvements in such activities. The participation of institute students is shown below:

Table 7.3.3(K): Figures of student's participation in project competitions

Discipline	Students Participation			
	2016-17	2015-16	2014-15	2013-14
Mechanical	27	29	08	00
Civil	06	02	04	04
Instrumentation	04	02	04	06
E & TC	04	04	04	04
IT	00	15	00	00
Computer	04	57	69	00
MBA	13	00	23	00
MCA	00	00	00	00

6. Problems Encountered and Resources Required

- Accreditation is must for most of the proposals.
- No research Centre.
- More awareness is needed to create among faculties and students about various funding agencies, writing good research proposal and Ph.D. research centre.

7. Contact Details

Name of the Principal:	Dr. Kailas S. Holkar		
Name of the Institution:	N.D.M.V.P.S's Karmaveer Advocate Baburao Ganpatrao Thakare College of Engineering.		
City:	Nashik		
Pin Code:	422 013		
Accredited Status:	Not Accredited		
Work Phone:	0253-2571439/2582891		
Website:	www.kbtcoe.org	Fax:	0253-2317016
Mobile:	9822379056	Email:	principal@kbtcoe.org

MECHANICAL ENGINEERING

1.	Name of the Department	Mechanical Engineering
2.	Year of Establishment	1999
3.	Name of Programmes / Courses Offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	BE (Mechanical Engineering) ME(Design Engineering)

4. Names of Interdisciplinary courses and the departments/units involved: Yes.

5. Annual/ semester/choice based credit system (programme wise)-

UG: FE and SE-Semester credit system & TE/BE- Semester System

PG: Semester credit system

6. Participation of the department in the courses offered by other departments:

Yes.

7. Courses in collaboration with other universities, industries, foreign institutions etc.- Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts

Post	Sanctioned	Filled
Professors	4	00
Associate Professors	9	07
Asst. Professors	23	22

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M. Phil. etc.,)

Name of Staff	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students Guided For The Last 4 Years
Dr. S. P. Mogal	M.Tech. (Design), Ph.D	Associate Professor	Mechanical Engineering	12.5	Nil
Prof. A. B. Kakade	M.E. (Design), Ph.D (Thesis Submitted)	Associate Professor	Mechanical Engineering	17	Nil

Prof. Y. B. Choudhari	M.Tech. (Design) Ph.D Pursuing	Associate Professor	Mechanical Engineering	19	Nil
Prof. N. K. Kharate	M.Tech. (CAD/CAM) , Ph.D Pursuing	Associate Professor	Mechanical Engineering	14	Nil
Prof. A. A. Kapse	M.Tech. (Thermal), Ph.D (Thesis Submitted)	Associate Professor	Mechanical Engineering	12.5	Nil
Prof. V. C. Shewale	M.Tech. (Thermal), Ph.D (Thesis Submitted)	Associate Professor	Mechanical Engineering	19	Nil
Dr. S. B. Sonawane	M.E. (Thermal), Ph.D	Associate Professor	Mechanical Engineering	14.5	Nil
Prof. M. S. Patil	M.E. (Design), Ph.D (Pursuing)	Assistant Professor	Mechanical Engineering	14	Nil
Prof. S. Y. Pawar	M.E. (Design), Ph.D (Pursuing)	Assistant Professor	Mechanical Engineering	12	Nil
Prof. P. C. Shete	M.E. (Production)	Assistant Professor	Mechanical Engineering	13	Nil
Prof. D. D. Kulkarni	M.E. (Design)	Assistant Professor	Mechanical Engineering	10	Nil
Prof. N. S. Gaikwad	M.E. (Design)	Assistant Professor	Mechanical Engineering	07	Nil
Prof. R. B. Jagtap	M.E. (Design)	Assistant Professor	Mechanical Engineering	6.3	Nil
Prof. N. V. Lokare	M.E. (CAD/CAM)	Assistant Professor	Mechanical Engineering	8	Nil

Prof. V. V. Shinde	M.E. (Design)	Assistant Professor	Mechanical Engineering	6	Nil
Prof. S. J. Suryawanshi	M.Tech. (Thermal), Ph.D (Pursing)	Assistant Professor	Mechanical Engineering	9	Nil
Prof. R. M. Ghogare	M.E. (Thermal) (Appeared)	Assistant Professor	Mechanical Engineering	5	Nil
Prof. T. D. Dabhade	M.E. (Thermal) (Appeared)	Assistant Professor	Mechanical Engineering	4.5	Nil
Prof. M. N. Gadakh	M.E. (Design)	Assistant Professor	Mechanical Engineering	6	Nil
Prof. P. B. Sonawane	M.E. (Design)	Assistant Professor	Mechanical Engineering	4.3	Nil
Prof. G. M. Shirsath	M.E. (Design)	Assistant Professor	Mechanical Engineering	4.3	Nil
Prof. S. N. Palhe	M.E. (Design)	Assistant Professor	Mechanical Engineering	13.6	Nil
Prof. D. V. Kushare	M.E. (Design)	Assistant Professor	Mechanical Engineering	12.6	Nil
Prof. P. S. Tile	M.E. (Design)	Assistant Professor	Mechanical Engineering	4.6	Nil
Prof. (Mrs.) V. A. Ahire	M.E. (Design)	Assistant Professor	Mechanical Engineering	10	Nil
Prof. D. S. Bhamare	M.Tech. (Automobile)	Assistant Professor	Mechanical Engineering	1.5	Nil
Prof. P. N. Aher	B.E. (Chemical)	Assistant Professor	Chemical Engineering	34	Nil

Prof. J. J. Nerkar	M.Sc. (Mathematics)	Assistant Professor	Engineering Mathematics	17	Nil
Dr. S. J. Kokate	M.Sc., Ph.D.	Assistant Professor	Engineering Chemistry	7	Nil

11. List of senior visiting faculty*

Sr. No	Name of Faculty
1	Dr. K. N. Iyer, (IIT Bombay)
2	Dr. R. P. Vedula, (IIT Bombay)
3	Dr. Shreedhara Sheshadri, (IIT Bombay)
4	Dr. R. S. Jha, (IIT Bombay)
5	Dr. Absar Lakdawala, (Nirma University, Ahmedabad)
6	Dr. Pankaj Jagad, (Nirma University, Ahmedabad)
7	Dr. Atul Shrivastava, (IIT Bombay)
8	Dr. D. V. Bhat, (SVNIT Surat)

* Eminent persons visited to Department

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Sr. No	Name of Faculty	Lecture/Practical	Percentage
Nil			

13. Student -Teacher Ratio (Programme wise)

Sr. No	Academic Year	Total No. of Students	Total No. of Staff	Student Teacher Ratio
1	2016-17	528	29	18:1
2	2015-16	528	26	20:1
3	2014-15	528	24	22:1
4	2013-14	528	23	23:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No	Type of Staff	Sanctioned	Filled
1	Technical Assistant	07	07
2	Workshop Attendant	04	04
3	Attendant	03	03

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of teaching faculty
PhD Completed	03
PhD Registered	08
PG Completed	15
B.E.	03

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sr. No	Name of Faculty	National /International funding agencies	Grant Received
1	Prof. S. B. Sonawane	DST, Govt. of India	Rs. 19,02,850/-

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr. No.	Year	Name of Project	DST-FIST / UGC/ DBT/ICSSR/Others	Grant Received
1	2016-2017	Performance study of Spherical Cavity Receiver of Solar Concentrator	BCUD SPPU, Pune	Rs. 2,10,000/-
2	2015-2016	Heat Transfer Enhancement using brine based nanofluids	DST, Govt. of India	Rs. 19,02,850/-
3	2014-2015	Investigation of mechanical and wear properties of yttrium oxide and titanium carbide particle reinforced Aluminium matrix composites	BCUD SPPU, Pune	Rs. 2,00,000/-

18. Research Centre/facility recognized by the University

Sr. No	Name of Research Centre/facility
NIL	

19. Publications

1	Publication per faculty	0.84
2	Number of papers published in peer reviewed journals by faculty and students	32
3	Number of Publications listed in International Database	32
4	Monographs	Nil
5	Chapter in Books	Nil

6	Books Edited	Nil
7	Books with ISBN/ISSN number with details of Publisher	Nil
8	Citation Index	Nil
9	SNIP	Nil
10	SJR	Nil
11	Impact factor	2.73(highest)
12	H-Index	3 (highest)

20. Areas of consultancy and income generated

Sr. No.	Area of Consultancy	Year	Income Generated
1.	1.Stress analysis	2016-17	3000/-
	2. Vibration analysis	2016-17	20000/-
2.	1.Vibration analysis	2015-16	50000/-
	2.Vibration analysis	2015-16	20000/-
	3.Vibration analysis	2015-16	15000/-
	4.Vibration analysis	2015-16	10000/-
	5.Vibration analysis	2015-16	8000/-
	6.Tribology	2015-16	2400/-
3.	1.Vibration analysis	2014-15	3000/-
	2. Tribology	2014-15	6000/-
	3. Tribology	2014-15	2000/-
	4 Tribology	2014-15	500/-

21. Faculty as members in a)National Committees, b)International Committees, c) Editorial Boards

Sr. No	Name of Faculty	Member of National / International Committees/ Editorial Boards
1	Dr. S. P. Mogal	ISTE, IEI
2	Prof. A. B. Kakade	ISTE
3	Prof. Y. B. Choudhari	ISTE
4	Prof. N. K. Kharate	ISTE, IEI
5	Prof. A. A. Kapse	ISTE
6	Prof. V. C. Shewale	ISTE
7	Dr. S. B. Sonawane	ISTE, IEI, IAENG, London
8	Prof. M. S. Patil	ISTE
9	Prof. S. Y. Pawar	ISTE

10	Prof. D. D. Kulkarni	ISTE, IEI
11	Prof. S. J. Suryawanshi	SAE INDIA
12	Prof. V. A. Ahire	ISTE
13	Prof. S. N. Palhe	ISTE

22. Student projects

Sr. No	Name	Year	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	2016-17	30
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies		70
1	Percentage of students who have done in-house projects including inter departmental/programme	2015-16	30
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies		70
1	Percentage of students who have done in-house projects including inter departmental/programme	2014-15	30
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies		70
1	Percentage of students who have done in-house projects including inter departmental/programme	2013-14	30
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies		70

23. Awards / Recognitions received by faculty and students Summary

Faculty

Sr. No.	Name of Faculty	Year	Event Name	Name of Organizer	Prize/Achievement	State/National/International
1	Dr. S. B. Sonawane	2015-16	31 st National Convection on Mechanical Engineering at Bangalore	Institute of Engineers, Bangalore Center	Young Engineers' Awards	National
2	Dr. S. B. Sonawane	2014-15	Engineers Day	Institute of Engineers, Nashik Center	Promising Engineer Award	State

Students:

Sr. No	Name of the Student	Year	Event Activity / Name	Rank/ Role/ Status	Place
1	Akshay Deshmukh	2016-17	Lathe war	Third	MET Nashik

Sr. No.	Name of the Student	Year	Event / Activity Name	Rank/ Status	Place
1	Ketan Ghag	2015-16	Quiz competition	First	KKW COE Nasik
2	Akshay Borse	2015-16	Auto-cad /CAMD	A Grade	Dhule
3	Nikhil Patil	2015-16	Junk Yard	Fourth	PVG COE, Nasik
4	Shubham Pangavhane	2015-16	Chess	First	NDMVP KBTCOE Nasik
5	Rushikesh Pawale	2015-16	Lathe War	Third	MET Nashik
			Cricket	Second	NDMVP KBTCOE Nashik
6	Mayur Patil	2015-16	Junk Yard	Third	MET Nasik
			Lathe War	Second	NDMVP KBTCOE Nashik
7	Kiran Sonawane	2015-16	Lathe War	Second	NDMVP KBTCOE Nashik

8	Shubham Tangade	2015-16	Robo War	First	NDMVP KBTCOE Nashik
			Junk yard	Third	KKW COE Nashik
			Bike Mania	Third	MET Nashik
9	Vinayak Zade	2015-16	Catia V5	A Grade	NDMVP KBTCOE Nasik
			Robo race	Third	PVG COE, Nashik
10	Pushkraj Salunke	2015-16	Catia V5	First	Access Cad Nashik
			Robo race	Second	NDMVP KBTCOE Nashik
			Robo race	First	NDMVP KBTCOE Nashik
11	Parth Sawant	2015-16	Robo race	Second	NDMVP KBTCOE Nashik
12	Ajay Kaiche	2015-16	CATIA Competition	Second	SVIT Chincholi
13	Vicky Dalwani	2015-16	CATIA Competition	Second	SVIT Chincholi
14	Sarvesh Aher	2015-16	Aavishkar	First	Nashik zone
15	Sagar Tarle	2015-16	Aavishkar	Selection	Nashik zone
16	Shailesh Patil	2015-16	Boxing	Second	Nashik zone
17	Shweta Raut	2015-16	Interzonal Competition for Yoga	Second	Nashik Zone
18	Sameer Jadhav	2015-16	Bike Mania	Second	Nashik
19	Akshay Deshmukh	2015-16	Lathe war	Second	MET Nashik

Sr. No.	Name of the Student	Year	Event / Activity Name	Rank/Role/Status	Place
1	Swami Pawar	2014-15	Hack the Whell	First	PVG Nashik
2	Nikhil Patil	2014-15	BOX Cricket	Second	Nashik
3	Siddhant Jadhav	2014-	Laser	First	MET's

		15	Archery		COE Nashik
4	Rahul Suryawanshi	2014-15	Cricket	Second	Gokhale COE Nashik
				Second	KKW COE Nashik
5	Shripad Tamboli	2014-15	Cricket	First	KKW COE Nashik
				Third	IIT Delhi
6	Vinayak Zade	2014-15	Lathe War	Second	MET's COE Nashik
7	Sachin Vishwakarma	2014-15	ROBO-Tryst	Second	MET's COE Nashik
8	Rahul Bagul	2014-15	Canon Ball	Third	Nashik
			Hoop the Loop	Second	Nashik
9	Nikhil Rajput	2014-15	Robo race	Second	KKW COE, Nashik
10	Rohit Shahi	2014-15	Quiz competition	First	KKW COE, Nashik
11	Pushkraj Salunke	2014-15	Robo race	Second	KKW COE, Nashik
12	Parth Sawant	2014-15	Robo tank	Fourth	IIT Delhi
13	Sameer Jadhav	2014-15	Bike Mania	Fifth	Nashik

Sr. No.	Name of the Student	Year	Event Activity Name	Rank/Role/Status	Place
1	Akshay Borse	2013-14	Poster Competition	Third	Govt Poly. Nashik
2	Shubham Thube	2013-14	Poster Competition	Second	Jalgaon
3	Parth Sawant	2013-14	Smart out	Third	Suyojit,

			Competition		Nashik
4	Vishal Gatkal	2013-14	Bike Mania	Third	KKW COE, Nashik

24. List of eminent academicians and scientists / visitors to the department:

Sr. No	Year	Name of Visitor	Academicians/Scientists / Visitors
1	2016-17	Dr. Vinod Parekh (Education Advisor)	Visitors
2	2015-16	Dr. K. N. Iyer (IIT Bombay)	Academicians
3	2015-16	Dr. R. P. Vedula (IIT Bombay)	Academicians
4	2015-16	Dr. Shreedhara Sheshadri (IIT Bombay)	Academicians
5	2015-16	Dr. R. S. Jha (IIT Bombay)	Academicians
6	2015-16	Dr. Absar Lakdawala (Nirma University, Ahmedabad)	Academicians
7	2015-16	Dr. Parag Sonawane Director, R&D, AIMID Ltd., Shezen, China	Visitors
8	2015-16	Dr. Pankaj Jagad (Nirma University, Ahmedabad)	Academicians
9	2015-16	Dr. Atul Shrivastava (IIT Bombay)	Academicians
10	2013-14	Dr. D. V. Bhat (SVNIT Surat)	Academicians
11	2013-14	Mr. N. L. Soni, (Senior Scientist, BAARC Mumbai)	Scientists
12	2013-14	Dr. V. M. Palhe (VJTI, Mumbai)	Academician

25. Seminars/ Conferences/Workshops organized & the source of funding:

Seminar

Sr. No.	Year	Name of Seminars/ Conferences/Workshops organized	Source of funding
1	2013-14	Two days State level Seminar on Tribological Aspects in Design	BCUD SPPU Pune

Workshop

Sr. No.	Year	Name of Seminars/ Conferences/ Workshops organized	Source of funding
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1	2016-17	Two days National level Workshop on Condition Monitoring	BCUD SPPU Pune
2	2014-15	Two week ISTE Workshop on Fluid Mechanics organized by IIT Kharagpur	NMEICT, MHRD, Govt. of India
3	2015-16	Two days Workshop on Emerging Trends in Heat Transfer Engineering	BCUD SPPU Pune

Conference – NIL

26. Student profile programme/course wise

F.E.

Year	Admission in First Year	Enrolled		Pass Percentage
		*M	*F	
2016-17	116	101	15	-
2015-16	124	106	18	71.11
2014-15	126	106	20	75.00
2013-14	127	106	21	70.80

*M = Male *F= Female

27. Diversity of Students

Year	Percentage of students from same state	Percentage of Students from other state	Percentage of Students from abroad
2016-17	99.04	0.96	Nil
2015-16	99.35	0.65	Nil
2014-15	99.46	0.54	Nil
2013-14	99.46	0.54	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense Services, etc.:

Sr. No.	Name of Student	Gate Score	Year
1	Pritam Sarkar	23.00	2015-16
2	Atharva Pathak	16.23	2015-16
3	Akshay Patil	20.01	2015-16
4	Bhushan Pathak	30.00	2015-16
5	Nikhil Ekhande	19.00	2015-16
6	Swapnil Jain	21.00	2015-16
7	Rahul Sonawane	22.04	2015-16

8	Mahesh Medhe	24.00	2015-16
9	Rohit Rajbhog	18.00	2015-16
10	Aditya Patil	22.85	2014-15
11	Kunal Potdar	31.27	2015-16
12	Uday Khairnar	25.90	2015-16
13	Rohit Rajbhog	18.00	2015-16
14	Mayur Sonawane	22.00	2014-15
15	Ajinkya Shendre	22.00	2014-15
16	Sagar Trimukhe	21.00	2014-15
17	Mahesh Jadhav	33.41	2013-14
18	Rahul Pawar	19.00	2013-14
GRE			
19	Abhiraj Patil	307	2016-17
20	Vicky Dalwani	303	2015-16
21	Gaurav Patil	291	2014-15
22	Darshan Aher	294	2013-14
23	Soham Joshi	328	2013-14

29. Student progression

Student progression		Against % enrolled	Year
PG to Ph.D.		-	-
Ph.D. to Post-Doctoral		-	-
Employed	Campus selection	15	2015-16
		12	2014-15
		07	2013-14
	Other than campus Recruitment (Off Campus)	18	2015-16
		24	2014-15
	46	2013-14	
Entrepreneurship/Self-employment		-	-

30. Details of Infrastructural facilities(Department Library)

- a. Library: Area– 37.90 Sq. meter
- b. No. of Volumes Available- 152
- c. No. of Titles Available - 134
- d. Internet facilities for Staff & Student: Available
- e. Class rooms with ICT facility: 05

f. Laboratories:- 13 (11 UG and 2 PG)

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	No.of students benifited under State/ Central Government	Other Agencies
2016-17	--	25
2015-16	328	23
2014-15	192	25
2013-14	162	-

32. Details on student enrichment programmes (special lectures/workshops/ seminar) with external Experts:

2016-17

Sr. No.	Name of expert	Name of event	Lecture/Workshop /Seminar
1	Mr. Ravindra Khatale	Competitive Exam guidance	Lecture
2	Mr. Mohit Baste	Personal Interview& Placement guidance	Lecture
3	Mrs. Neha Khare	Entrepreneurship	Lecture
4	Dr. Vinod Parekh	Soft skill development	Workshop
5	Mr. Ganesh Godse Mr. Rahul Kasar	3-D Printing	Seminar

2015-16

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
1	Dr. K. N. Iyer (IIT Bombay)	Two days Workshop on Emerging Trends in Heat Transfer Engineering	Workshop
2	Dr. R. P. Vedula (IITBombay)	Two days Workshop on Emerging Trends in Heat Transfer Engineering	Workshop
3	Dr. Shreedhara Sheshadri (IITBombay)	Two days Workshop on Emerging Trends in Heat Transfer Engineering	Workshop

4	Dr. R. S. Jha (IIT Bombay)	Two days Workshop on Emerging Trends in Heat Transfer Engineering	Workshop
5	Dr. Absar Lakdawala (Nirma University, Ahmedabad)	Two days Workshop on Emerging Trends in Heat Transfer Engineering	Workshop
6	Dr. Parag Sonawane Director, R&D, AIMID Ltd., Shezen, China	Two days Workshop on Emerging Trends in Heat Transfer Engineering	Workshop
7	Dr. Pankaj Jagad (Nirma University, Ahmedabad)	Two days Workshop on Emerging Trends in Heat Transfer Engineering	Workshop
8	Dr. Atul Shrivastava (IIT Bombay)	Two days Workshop on Emerging Trends in Heat Transfer Engineering	Workshop

2014-15

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Dr. B. P. Puranik (IIT Bombay)	Two week ISTE workshop on Fluid Mechanics, I.I.T. Bombay funded by NMEICT, MHRD, Govt. of India	Workshop
2	Mr. Swapnil Sakurikar	Ten days workshop on "Entrepreneurship Development" by MSME Mumbai	Workshop

2013-14

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Dr. D. V. Bhat (SVNIT Surat)	Two days state level seminar on "Tribological aspects in Design"	Seminar

33. Teaching methods adopted to improve student learning

- a. Improved lecture method using PPT, Animations
- b. NPTEL Videos
- c. Virtual Labs
- d. Industry Visits
- e. Self-Learning Activities

- f. Subject Assignments

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- a. NSS Camps organized
- b. MVP Marathon
- c. Blood Donation Camp
- d. Swachchata Abhiyan

35. SWOC analysis of the department and Future plans

Strength:

- a. Qualified and Experienced faculty
- b. Industry expert lectures & Workshops
- c. Well-equipped labs
- d. Skilled technical/ supporting staff
- e. Industry oriented Projects
- f. Equipped CAD/ CAM lab with internet facility
- g. Student's performance monitoring through ERP

Weakness:

- a. Placements
- b. Digital Classrooms
- c. Soft Skills of students
- d. Consultancy in Industry
- e. Alumni meets and Parent meets

Opportunities:

- a. Industry- Institute Interaction
- b. MOU with Professional Bodies
- c. Consultancy
- d. Software Trainings

Challenges:

- a. Improvements in Student Quality
- b. To produce employable students to satisfy requirements of Industries
- c. Solving technical problems of society

Future Plans:

- a. To start PG in Heat Power Engineering
- b. To start Ph.D. Research center
- c. To start CAD/CAM Training Center
- d. To start Post Graduate Diploma in Computer Aided Design
- e. To build strong Alumni Bonding
- f. To strengthen Industry-Institute Interaction Cell
- g. To enhance the consultancy activities of department

COMPUTER ENGINEERING

1	Name of the Department	Computer Engineering
2	Year of Establishment	1999
3	Names of Programmes / Courses offered (UG, PG, M.Phil., PhD, Integrated Masters; Integrated Ph.D., etc.)	UG
4	Names of Interdisciplinary courses and the departments/units involved	Yes
5	Annual/ semester/choice based credit system (program wise)	FE & SE Semester credit system TE & BE Semester System
6	Participation of the department in the courses offered by other departments	Yes
7	Courses in collaboration with other universities, industries, foreign institutions etc.	Nil
8	Details of courses/programmes discontinued (if any) with reasons	No

9. Number of Teaching posts

Post	Sanctioned	Filled
Professors	02	00
Associate Professors	04	03
Asst. Professors	10	14

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./ M. Phil. etc.,)

Name of Staff	Qualification	Designation	Specialization	No .of Years of Experience	No. of PhD Students Guided for last 4 Years
Dr. V. S. Pawar	Ph.D.	Associate Professor & Head	CSE-Computer Engineering	17	Nil
Prof. B. S. Tarle	DIE, AMIE, BE, M.E (Computer Engineering) PhD Pursuing	Associate Professor	Software Engineering	12.5	Nil

Prof. V. S. Tidake	BE,M.E. PhD Pursuing	Associate Professor	CSE-IT	16	Nil
Prof. S. A. Talekar	M. Tech. PhD Pursuing	Assistant Professor	CSE	12	Nil
Prof. P. P. Shinde	M.E.	Assistant Professor	Computer Engineering	11	Nil
Prof. S. R. Bhamare	B.E.(Computer Engineering)	Assistant Professor	Computer Engineering	8.2	Nil
Prof. R. R. Shevale	M. Tech. (Computer Engineering)	Assistant Professor	Computer Engineering	8.2	Nil
Prof. R. P. Chandwadkar	M.E.(Computer Engineering)	Assistant Professor	Computer Engineering	11	Nil
Prof. S. T. Datir	M.E.(Computer Engineering)	Assistant Professor	CSE	6.3	Nil
Prof. P. V. Shinde	M.E.(Computer Engineering)	Assistant Professor	Computer Engineering	6.3	Nil
Prof. S. V. Pawar	M.E.(Computer Engineering)	Assistant Professor	Computer Engineering	6	Nil
Prof. P. P. Boraste	M.E.(Computer Engineering)	Assistant Professor	Computer Engineering	3	Nil
Prof. M. B. Thombare	M.E.(Computer Engineering)	Assistant Professor	Computer Engineering	3	Nil
Prof. B. S. Gholap	M.E.(Computer Engineering)	Assistant Professor	Computer Engineering	1.5	Nil
Prof. R. S. Derle	BE(Computer), M.Tech. Pursuing	Assistant Professor	Computer Engineering	4.5	Nil
Prof. N. B. Desale	M.Sc.(Phy.) Ph.D. (Pursuing)	Assistant Professor	Engineering Physics	17	Nil
Prof. J. V. Pagar	M.Sc. (Mathematics) M.Phil.	Assistant Professor	Engineering Mathematics	11	Nil

Non Teaching Staff

Sr. No	Name of Staff	Qualification	Designation	Specialization	No. of Years of Experience
1	Mr. A. B. Sable	B.E.	Asst. Network Administrator	Information Technology	5.3
2	Mr. V. G. Nimbalkar	Diploma	Service Engineer	Computer Technology	11
3	Mr. H. N. Ugale	B.E.	Service Engineer	Computer Engineering	10
4	Mr. C. S. Aher	B.E,M. Tech. (Pursuing)	Technical Assistant	Information Technology	6.3
5	Mr. V. S. Jadhav	DCT, B.Tech, M.Tech. (Pursuing) CCNA,CCNP, MCSA	Technical Assistant	Computer Engineering	6.2
6	Mr. S. K. Gangurde	Diploma	Technical Assistant	Computer Engineering	5.8
7	Ms. R. S. More.	ME	Technical Assistant	Computer Engineering	2
8	Mr. G. R. Murkute	I.T.I.	Computer Technician	Computer Engineering	5
9	Mr. C. K. Nalawade	B.A.	Attendant	-	18
10	Mr. K. G. Warde	S.S.C.	Attendant	-	5

11. List of Senior Visiting Faculty

Sr. No.	Name of Faculty
Nil	

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

Sr. No.	Name of Faculty	Lecture/Practical	Percentage
Nil			

13. Student -Teacher Ratio (Programme wise)

Sr. no.	Academic year	Total No of students	Total No. of Staff	Student Teacher
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				ratio
1	2016-17	240	17	14:1
2	2015-16	240	17	14:1
3	2014-15	240	17	14:1
4	2013-14	240	17	14:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No.	Type of Staff	Sanctioned	Filled
1	Support staff (technical)	08	08
2	Administrative (Peon)	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. –

Sr. No.	Description	Count
1	No. of staff having M.E./M.Tech	13
2	No. of staff having PhD	01
3	No. of staff having MSc, MPhil	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sr. No.	Name of Faculty	National /International funding agencies	Grant Received
Nil			

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr. No.	Name of Project	DST-FIST / UGC/ DBT/ ICSSR/ Others	Grant Received
Nil			

18. Research Centre/facility recognized by the University

Sr. No.	Name of Research Centre/facility
Nil	

19. Publications

1	Publication per faculty	0.60
2	Number of papers published in peer reviewed journals by faculty and students	10
3	Number of Publications listed in International Database	01
4	Monographs	Nil

5	Chapter in Books	Nil
6	Books Edited	Nil
7	Books with ISBN/ISSN number with details of Publisher	Nil
8	Citation Index	02
9	SNIP	Nil
10	SJR	Nil
11	Impact factor	0.62
12	H-Index	02

20. Areas of consultancy and income generated

Sr. No.	Area of Consultancy	Income Generated
1	Hardware and software maintenance for MVP Samaj	Rs. 1,00,000/-

21. Faculty as members in a) National Committees, b) International Committees, c) Editorial Boards

Sr. No.	Name of Faculty	Member of National / International Committees / Editorial Boards
1	Dr. V. S Pawar	ISTE LM 41930, CSI F8000167
1	Prof. B. S. Tarle	ISTE: LM 15587' IEI: AM097417-2, CSI: F8000166 CAP Director, UGC, and LIC Committee of SPPU.
2	Prof. V. S. Tidke	ISTE: LM 41928, IEI: M141450-4, CSI: I1504328 CAP Director, UGC Committee of SPPU.
3	Prof. S. A. Talekar	ISTE:LM 53534 , IEI:AM098318-5, CAP Director, LIC Committee of SPPU.
4	Prof. Bhamare S. R.	ISTE: LM 68861 Life Member since 2010
5	Prof Shevale R. R.	ISTE - LM 68864 Life Member since 2009
6	Prof. R. P. Chandwadkar	ISTE: LM 68862 , LIC Committee of SPPU.

22. Student projects

2016-17

Sr. No.	Name	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	50
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	50

2015-16

Sr. No.	Name	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	65
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	35

2014-15

Sr. No.	Name	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	61.91
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	38.09

2013-14

Sr. No.	Name	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	84.21
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/ Industry / other agencies	15.79

23. Awards / Recognitions received by faculty and students Summary

Sr. No.	Name of Staff and Student	Event Name	Name of Organizer	Prize/ Achievement	State/ National/ International
1	Prof. S. A. Talekar	Engineers Day	IE(I) Local Centre Nashik	Promising Engineer	State
2	Prof. R. P. Chandwadkar	Academic Award	KKWIEER Nashik	ME Topers 2013-14	College
Students Achievement 2015-16					
1	Nikita Patil,	PRO-JIT	JIT Nashik	2 nd prize	College

	Roshni Khatod, Aakansha Patil Roshan Bhadane	national level event			
2	Amit Kumar Yadav	METASTO RM-15 PROFUSED event	MET Nashik.	1 st prize	-
3	Amit Kumar Yadav	Codes compition during PROJIT	JIT Nashik	1 st prize	National Level
4	Gayatri Pardeshi, Ruchira Pingale, Varsha Shirode, Kamini Wagh	NES Innovation Awards 2016 at Pune	NES Nashik	Selected in top 50 projects	National Level
5	Archana Sathyan Radhika Joshi Karan Pawar Hemant Karve	NES Innovation Awards 2016 at pune	NES Nashik	Selected in top 50 projects	National Level
6	Shruti Anantwar	Dell Campassado r Program	-	Top 17 out of 100	National Level
7	Komal Supekar Priyanka Salve Harshad Chikhale Bhushan Kadam	MET NIRMAAN 2k16	MET Nashik	First	State Level
Students Achievement 2014-15					
1	Ambekar Vinita Dusane Mansi Gawali Snehal	PROJIT Competition	JIT Nashik	Third	College Level
2	Amit Yadav	PROJIT Competition	JIT Nashik	Third	College Level
3	Pawankumar Bagul Pritam Narkhede	PROJIT Competition	JIT Nashik	Second	College Level
Students Achievement 2013-14					
1	Nitaware Umesh	National level Open Hardware event	PICT, Pune.	First	National Level
2	Kankria Varsha Hulule Poonam Patil Kushbhu	IGNITRA 2014	RHSCOE, Nashik	First	National Level

24. List of eminent academicians and scientists / visitors to the department:

Sr. No.	Name of Visitor	Academicians /Scientists / Visitors
1	Dr. D. B. Pathak	Scientists / Visitors
2	Dr. Rajeev Papaneja	Scientists / Visitors
3	Mr. Sunil Khandbahale	Scientists / Visitors
5	Mr. Vikash Naik	Scientists / Visitors
6	Mr. Suchit Tiwari	Scientists / Visitors
7	Dr. Manesh Kokare	Academicians
8	Dr. S. S. Sane	Academicians
9	Dr. V. H. Patil	Academicians
10	Dr. M. U. Kharat	Academicians
11	Dr. D. V. Patil	Academicians
12	Dr. M. R. Sanghvi	Academicians

25. Seminars/ Conferences/Workshops organized & the source of funding:**a) National- 03**

Year	Conferences organized	Source of funding
2015-16	MVP-Kshitij 2016	Self-Financing
2014-15	MVP-Kshitij 2015	Self-Financing
2013-14	MVP-Kshitij 2014	Self-Financing

26. Student profile programme/course wise

Year	Admission in First Year	Enrolled		Pass Percentage
		*M	*F	
2016-17	63	31	32	-
2015-16	62	23	39	74.2
2014-15	58	24	34	64.3
2013-14	59	21	38	55.00

*M = Male *F = Female

27. Diversity of Students

Year	Percentage of students from same state	Percentage of Students from other state	Percentage of Students from abroad
2016-17	100	-	NIL
2015-16	98.38	1.62	NIL
2014-15	100	-	NIL
2013-14	98.33	1.67	NIL

28. How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil services, Defense services, etc.?

Sr. No.	Year	Gate	C A T	CMAT	P G C T	MPSC	P W D	Irrigation Dept.	Z P	Total
1	2016-17	-	-	-	-	-	-	-	-	-
2	2015-16	01	-	-	-	-	-	-	-	01
3	2014-15	02	-	-	-	-	-	-	-	02
4	2013-14	02	-	-	-	-	-	-	-	02

29. Student progression 2016-17

Student progression		Against % enrolled	Against % enrolled	Against % enrolled	Against % enrolled
		2013-14	2014-15	2015-16	2016-17
PG to Ph.D.		Nil	Nil	Nil	Nil
Ph.D. to Post-Doctoral		Nil	Nil	Nil	Nil
Employed	Campus selection	16.66	14.86	26.92	-
	Other than campus Recruitment	37.14	15.29	13.25	-
Entrepreneurship/Self-employment		Nil	Nil	Nil	Nil

30. Details of Infrastructural facilities(Department Library)

- Library: 39.3 sq.m.
- No. of Volumes Available: 45
- No. of Titles Available: 45
- Internet facilities for Staff & Student: **155Mbps Leased Line**
- Class rooms with ICT facility: 02
- Laboratories :08

31. Number of students receiving financial assistance from college, university, government or other agencies:

Academic Year	No.of students benefited under State/ Central Government
2016-17	--
2015-16	176
2014-15	158
2013-14	165

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts 2016-17

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Shubham Totla,	Applied CS with Android workshop	Workshop
2	Mr. A. B. Karode	Traffic Awareness Training Program	Training Program
3	Prof. S. R. Pachorkar,	Motivational Seminar	Seminar
4	Prof. V. M. Birari	Stress Management	Seminar
5	Mr. Vijayeta Bhat	Android App development Workshop	Workshop
6	Dr. Mahesh Sanghvi	Literature survey and Mathematical Modeling	Seminar
7	Mr. Pankaj Singh	Bigdata and Hadoop	Workshop

2015-16

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Dr. D. V. Patil	Mathematical Modelling	Seminar
2	Mr. Ganesh Gudekar	One day workshop on Python	Seminar

2014-15

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Dr. M. U. Kharat, HOD Department of Computer Engineering, MET's IOE Nashik	Literature survey	Seminar

2013-14

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Dr. M. B. Kokare NDMVPS's KBTCOE, Nashik	Research Methodology	Workshop
2	Mr. Atul Kahate Software Consultant	Cryptography and Network Security	Seminar
3	Ketan Lohar, WINJIT	.NET and cloud	Seminar
4	Cybertech Global Learning Solutions, New Delhi	Cyber Security & Penetration Testing	Workshop

33. Teaching methods adopted to improve student learning

- a. Improved lecture method (Use of PPTs and videos)
- b. Industrial visits

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- a. NSS
- b. Marathon
- c. Clean Godavari Abhiyan
- d. Swachchha Bharat Abhiyan
- e. Tree plantation
- f. Blood donation camp

35. SWOC analysis of the department and Future plans

Strengths:

- a. Modern infrastructure available with Wi-Fi & LAN connectivity.
- b. Qualified, young dynamic and experienced team of faculty members with varied experience in areas of computing.
- c. State of the art computing facilities in 8 modern labs with exposures to latest hardware, various operating systems like windows, Linux and latest software as oracle, Java visual studio, Mat Lab, Rational Suite etc.
- d. Class rooms equipped with modern teaching aids like LCD projectors.
- e. Expert talks as well as workshop/seminar are arranged by students and faculties.
- f. Students are encouraged to undertake industrial and research oriented projects in various areas of expertise.
- g. 18 students per batch in practical to give special attention to individual students and to help them enhance their programming skills.
- h. Departmental library facilities available for staff and students.
- i. Attendance monitoring is based on intranet ERP.

Weaknesses:

- a. Industrial relationship
- b. Department lags in Research activities
- c. Limited alumni and development programs
- d. Less funding received
- e. Lack of advanced training programs to faculty
- f. No collaboration with other universities

Opportunities:

- a. PG program for Computer Engineering
- b. Development in research activities
- c. Parents, Alumni and development programs
- d. Consultancy work can be started in different areas

Challenges:

- a. Less IT industries in Nashik
- b. Large number of institutes and decreasing quality of education

Future plans:

- a. NBA/NAAC/ISO accreditation
- b. Post Graduation Course in Computer Engg.
- c. To improve research related activities
- d. To acquire funds
- e. To establish Industry Institute Interaction Cell
- f. To provide consultancy

INSTRUMENTATION & CONTROL ENGINEERING

1.	Name of the department	Instrumentation and Control Engineering
2.	Year of Establishment	1999
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	Under Graduate in Instrumentation and Control Engineering
4.	Names of Interdisciplinary courses and the departments/units involved	Yes
5.	Annual/ semester/choice based credit system (programme wise)	FE & SE Semester credit system TE & BE Semester System
6.	Participation of the department in the courses offered by other departments	Yes
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	Nil
8.	Details of courses/programmes discontinued (if any) with reasons	Nil

9. Number of teaching posts

Post	Sanctioned	Filled
Professors	01	02
Associate Professors	03	01
Assistant Professors	07	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name of Staff	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D Students Guided for the last 4 Years
Dr. K. S. Holkar	Ph.D.(Instrumentation)	Principal	Model Predictive Control	25	Nil
Dr. B. B. Musmade	Ph.D. (Instrumentation)	Professor	Process Control, Sliding Mode Control	20	01 (Co-guide at COEP)

Dr. N. S. Patil	M.E.(Instrumentation & Control), PhD (Elect. Engg.)	Professor	Control System, Stochastic Control Systems	16	Nil
Prof. S. H. Jadhav	M.E. (Instrumentation), PhD Pursuing	Associate Professor	Process Modeling, Network Theory	17	Nil
Dr. A. R. Kulkarni	M.E.(Instrumentation & Control), PhD (Elect. Engg.)	Assistant Professor	Process Instrumentation	18	Nil
Prof. Y. P. Patil	M. Tech (Instrumentation & Control), PhD Pursuing	Assistant Professor	Biomedical Instrumentation, Control Systems	14	Nil
Prof. A. K. Patil	M.E.(Instrumentation & Control), PhD Pursuing	Assistant Professor	Drives & Control, Process Engg. & Management	15	Nil
Prof. S. R. Pandit	M.E.(Instrumentation & Control)	Assistant Professor	Analytical & Biomedical Instrumentation	14	Nil
Prof. S. D. Nikam	M.E.(Instrumentation & Control)	Assistant Professor	Digital & Embedded Systems, Building Automation	15	Nil
Prof. V. A. Ahirrao	M.E.(Instrumentation)	Assistant Professor	Electronics Instrumentation,	20	Nil

			Optical Instrumentation		
Prof. D. B. Ghodke	M.E.(Instrumentation & Control)	Assistant Professor	Sensors & Transducers Agricultural Instrumentation	13	Nil
Prof. S. B. Lukare	M.E.(Instrumentation & Control)	Assistant Professor	Digital Signal Processing, Digital Control	06	Nil
Prof. G. B. Bahare	M.Sc., (Org.Chemistry) B.Ed, NET	Assistant Professor	Engineering Chemistry	03	Nil
Prof.P. V. Joshi	ME (Electrical)	Assistant Professor	Basic Ele. Engineering	04	Nil

11. List of senior visiting faculty

Sr. No.	Name of Faculty
1.	Mr. Pralhad G. Dhumal, General Manager- Drives & Business, Fox Solutions, Nashik.
2.	Ms. Sujata D. Tidame, Sr. Engineer, Multiquadrant Ind. Controls (I) Pvt. Ltd., Nashik.

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: NA

Sr. No	Name of Faculty	Lecture/Practical	Percentage
Nil			

13. Student -Teacher Ratio (programme wise)

Sr. No.	Academic Year	Total No. of Students	Total No. of Staff	Student Teacher Ratio
1	2016-17	160	13	12:1
2	2015-16	160	13	12:1
3	2014-15	160	13	12:1
4	2013-14	160	13	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No	Type of Staff	Sanctioned	Filled
01	Technical Assistant	03	03
02	Attendant	01	01

15. Qualifications of teaching faculty with DSc / D.Litt/ Ph.D/ MPhil / PG. – PhD- 04, PhD (Registered) – 03, PG- 07.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sr. No.	Name of Faculty	National /International funding agencies	Grant Received
1	Dr. N. S. Patil	National- Asst. Coordinator M V P Design Innovation Center – Spoke Center (Sponsored by S P Pune University and MHRD New Delhi	1.5 Crore
2	Prof. S. H. Jadhav	University-BCUD, SPPU Pune.	1.40 Lakhs

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr. No	Name of Project	DST-FIST / UGC/ DBT/ ICSSR/ Others	Grant Received
1	Dr. B. B. Musmade	BCUD – university of Pune	50,000/-

18. Research Centre/facility recognized by the University

Sr. No.	Name of Research Centre/facility
	Nil

19. Publications

1	Publication per faculty	0.93
2	Number of papers published in peer reviewed journals by faculty and students	13
3	Number of Publications listed in International Database	45
4	Monographs	00
5	Chapter in Books	01
6	Books Edited	Nil
7	Books with ISBN/ISSN number with details of Publisher	Nil

8	Citation Index	147
9	SNIP	-
10	SJR	-
11	Impact factor	2.327(highest)
12	H-Index	07

20. Areas of consultancy and income generated

Sr. No.	Area of Consultancy	Income Generated
Nil		

21. Faculty as members in a) National Committees, b) International Committees, c) Editorial Boards

Sr. No.	Name of Faculty	Member of National / International Committees / Editorial Boards
1	Dr. B. B. Musmade	Member, Board of Studies, Instrumentation & Control Engg., SPPU, Pune Member, Board of Studies, Instrumentation Engg., GCOE, Jalgaon (Autonomous Institute). Session Chair, IEEE ICIC 2015 at COE Pune.
2.	Dr. N. S. Patil	Education Officer of Maratha Vidya Prasarak Samaj, Nashik.

22. Student projects (AY:2016-17)

Sr. No	Name	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	42.50
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	57.50

23. Awards / Recognitions received by faculty and students Summary (2013-14, 2014-15, 2015-16, 2016-17)

Sr. No.	Name of Faculty/ Student	Event Name	Name of Organizer	Prize/ Achievement	State/ National/ International
1	Dr. K. S. Holkar	Best Teacher	SPPU	Best Teacher	University Level (SPPU)
2	Mrs. P. A. Muttha	Cricket	Inter Zone, University of Pune	Sportsman	University Level

24. List of eminent academicians and scientists / visitors to the department :

Sr. No.	Name of Visitor	Academicians /Scientists/Visitors
1	Mr. Henry Hans	Industrialist-Emerson Global Head
2	Mr. Rajesh Bhawe	Industrialist-Emerson Pune-Vice President
3	Mr. Shirish Chapekar	Industrialist-Emerson, Nashik-Director
4	Dr. Pankaj Koinkar	Faculty of Tushima University Japan
5	Mr. Sunil Jadhav	Instru. Manager, Emerson Dubai.
6	Mr. Sameer Patil	Director-Sigma Controls Automation Pune
7	Dr. P. S. V. Natraj	Professor, IIT Mumbai
8	Mr. A. K. Das	“Mumbai Monorail Project – Challenges in Design, Construction and Financing” by Mr. A. K. Das, Project Director at Louis Berger Group of Consultants.

25. Seminars/ Conferences/Workshops organized & the source of funding:

- a. National- Nil
- b. International- IET Nashik Local Network; (AY 2015-16) Total Amount Rs. 10,000=00

26. Student profile programme/course wise

Year	Admission in First Year	Enrolled		Pass Percentage
		*M	*F	
2016-17	12	8	4	-
2015-16	27	18	9	62.96
2014-15	30	24	6	42.85
2013-14	22	16	6	47.61

*M = Male *F = Female

27. Diversity of Students

Year	Percentage of students from same state	Percentage of Students from other state	Percentage of Students from abroad
2016-17	100	Nil	Nil
2015-16	100	Nil	Nil
2014-15	100	Nil	Nil
2013-14	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr. No.	Academic Year	GATE	CMAT
1	2015-16	02	-
2	2014-15	00	03
3	2013-14	01	02

29. Student progression (2015-16)

Student progression		Against % enrolled
PG to Ph.D.		03
Ph.D. to Post-Doctoral		00
Employed	Campus selection	10
	Other than campus Recruitment	13
Entrepreneurship/Self-employment		00

30. Details of Infrastructural facilities

- a. Department Library: 01
- b. No. of Volumes Available: 317
- c. No. of Titles Available: 177
- d. Area 33.00 sq. m.
- e. Internet facilities for Staff & Student: 155 Mbps Leased Line, VPN
- f. Class rooms with ICT facility: 03
- g. Laboratories: 08

31. Number of students receiving financial assistance from college, university, government or other agencies: 03

Academic Year	State/ Central Government
2016-17	--
2015-16	91
2014-15	64
2013-14	68

2016-17

Sr. No.	Name of Company	Amount Sanctioned (Rs.)	Students
1	Excel Industries, Mumbai	35,000/-	Kasturkar Sagar Samadhan Joshi Vikram Bhosale

**32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts
2016-17:**

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
1	Milind Bhavsar Visionary Automation, Nashik	PLC, SCADA Training	Workshop
2	Aniruddha Sanwatsare	Embedded Systems & Applications	Lecture
3	Dr. Omprakash Kulkarni	Opportunities for Instrumentation and Control Engineers	Lecture
4	Dr. Vinod Parekh	Attitude, Skills and Knowledge	Workshop
5	Dr. Vinod Parekh	Review Session on Workshop	Workshop
6	Dr. Ajit Thete	Outcome Based Education	Seminar

2015-16

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
1	Mr. Suresh Bandekar	Comparisons of Power Plants	Lecture
2	Mr. Sahebrao Patil	Instrumentation in Thermal Power Plants	Seminar
3	Mr. Umesh Gupta	HPC Research & Career	Lecture
4	Saurabh Karandikar	DeltaV DCS Fundamentals	Workshop
5	Milind Bhavsar Visionary Tech., Nashik	Industrial Automation using PLC & SCADA	Workshop
6	Dr. Vishwesh Vywahare Dr. Mukesh Patil Dr. Kailas S. Holkar Dr. Nanasaheb S. Patil	Advanced Topics in Control Systems	Workshop

2014-15

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
1	Mr. Prashant Shewale	Career Guidance	Seminar
2	Mr. Sahebrao Patil	Instrumentation In Thermal Power plant	Lecture

3	Ms. Punam Borah Mr. Vinay Raju	DCS & PLC Overview	Workshop
4	Mr. Nitin Nikam	Get Ready For success	Lecture
5	Mr. Pralhad Dhumal	Interview Techniques	Lecture

2013-14

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
1	Mr. Sunil Jadhav	Scope of Delta V DCS in Industrial Automation	Lecture
2	Mr. Ajinkya Patil	Scope of engineers in Astronomy	Lecture
3	Mr. Nitin Lokhande	Industrial Automation: Job Opportunities	Lecture
4	Mr. Atul Gupta Mr. Vijay Patil	Brit US Spoken English	Seminar
5	Mr. Deepak Jain Mr. Saurabh Salotra	Automation a booming field	Seminar

33. Teaching methods adopted to improve student learning

Improved Lecture Method by Power Point Presentation, Video Lectures, Story Telling, Quizzes.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

NSS activities, Swachha Bharat Abhiyan, Godawari Swachha Abhiyan, MVP-Marathon.

35. SWOC analysis of the department and Future plans

Strength:

- Faculty has a commitment to quality, dedication and work ethics.
- Experienced Faculty with expertise in specialized topics.
- Faculty having exposure with some premium institutes.

Weakness:

- Soft Skills of students.
- Less participation in Competitive Examinations.
- Coordination with Alumni and Industry.

Opportunities:

- Associations with reputed companies.
- Automation trainings as per changing demands of industries.
- Professional society activities.
- Consultancy Services

Challenges:

- a. Bridging gap between theory and practice.
- b. Awareness of branch.
- c. Quality of incoming students

Future Plan:

- Increase interaction and collaboration with industry.
- To upgrade and strengthen all the laboratories so as to promote research and development activities in the field of Automation.
- To conduct postgraduate courses in various fields of Instrumentation and Control Engineering.
- To become a Ph.D. recognized centre for Instrumentation and Control Engineering.
- To be a centre of excellence in the field of Automation through education, research and development.

ELECTRONICS & TELECOMMUNICATION ENGINEERING

1	Name of the Department	Electronics & Telecommunication Engineering
2	Year of Establishment	2002
3	Names of Programmes / Courses offered(UG, PG, M.Phil., Ph.D.,Integrated Masters; Integrated Ph.D., etc.)	UG
4	Names of Interdisciplinary courses and the departments/units involved	Yes
5	Annual/ semester/choice based credit system (programme wise)	FE & SE Semester credit system TE & BE Semester System
6	Participation of the department in the courses offered by other departments	Yes
7	Courses in collaboration with other universities, industries, foreign institutions etc.	Nil
8	Details of courses/programmes discontinued (if any) with reasons	Nil

9. Number of Teaching posts

Post	Sanctioned	Filled
Professors	01	00
Associate Professors	03	04
Asst. Professors	10	12

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name of Staff	Qualification	Designation	Specialization	No. of Years of Experience	No of Ph.D Students Guided for the last 4 Years
Prof. V. M. Birari	Ph.D. (pursuing) M.Tech., BE.	Associate Professor	Wireless Comm.	24	Nil

Prof. B. N. Shinde	M.Tech., BE.	Associate Professor	Signal Processing	18.2	Nil
Prof. A. P. Meshram	Ph.D. (pursuing) M.E., B.E.	Associate Professor	Digital Electronics	18	Nil
Prof. B. J. Pawar	Ph.D. (pursuing) M.E., B.E.	Assistant Professor	Analog & Power Electronics	12	Nil
Prof. S. A. Dhumane	M.E., B.E.	Assistant Professor	Microprocess or & Microcontroller	11.3	Nil
Prof. A. R. Chaudhari	M.Tech, BE.	Assistant Professor	Signal Processing	13	Nil
Prof. B. N. Rajole	Ph.D. (pursu) M.E., B.E.	Assistant Professor	Communicati on Engineering	08	Nil
Prof. S. M. Jagtap	Ph.D. (pursu) M.E., B.E.	Assistant Professor	Signal Processing	13.2	Nil
Prof. V. P. Gawai	Ph.D. (pursu) M.E., B.E.	Assistant Professor	VLSI	13.3	Nil
Prof. D. V. Patil	M.E., B.E.	Assistant Professor	VLSI & Embedded	9.4	Nil
Prof. T. S. Deshmukh	M.E., B.E.	Assistant Professor	VLSI & Embedded	8.5	Nil
Prof. V. R. Sonawane	M.E., B.E.	Assistant Professor	Communication Engineering	3	Nil
Prof. S. M. Dharrao	M.E., B.E.	Assistant Professor	Communication Engineering	3	Nil
Prof. G. R. Thorat	M.Sc. (Phy)	Assistant Professor	Engineering Physics	4	Nil
Prof. V. A. Tamboli	M.Sc. (Mathematics)	Assistant Professor	Engineering Mathematics	9	Nil
Non Teaching Staff					
Mrs. S. S. Gade	Diploma in I. Electronics	Technical Assistant	Ind. Electronics	11	Nil
Mrs. D. A. Jadhav	Diploma in Electronics	Technical Assistant	Electronics	8.3	Nil
Mr. V. B. Thakare	Diploma in Computer	Technical Assistant	Computer	9.6	Nil

Mr. D. U. Chaudhari	B.E. E &TC	Technical Assistant	Electronics & Telecommunication	7.6	Nil
Mrs. A. K. Pangavhane	B.E. E &TC	Technical Assistant	Electronics & Telecommunication	3	Nil
Mrs. S. S. Mogal	Diploma in E&TC	Technical Assistant	Electronics & Telecommunication	2.5	Nil
Mr. D.R. Handge	Diploma in I.Electronics Post Diploma in Telematics	Technical Assistant	Ind. Electronics	11	Nil

11. List of senior visiting faculty*

Sr. No	Name of Faculty
1.	Mrs. Archana Wadnere from SEED INFO, Nashik
2.	Mr. Amol Deshmukh, Rishabh Instrument, Nashik.
3	Mr. Parag Salvekar, Jai Gajanan DIGI Trains, Nashik
4	Mrs. Monalisa Jain, Counsltant.
5	Mr. Gordan Narolla, Counsltant.
6	Mr. Bachhav Prashant , Arya Robotics, Nashik.
7	Mr. Shrikant Atkarne , NI2, Pune.
8	Mr. Ajinkya Patil , Scientist, Netharland.
9	Mr. Ravi Bodhani, Trainer, Wisdom Solutions, Pune
10	Mr. Rohit Parmar, Trianer, Mumbai.

*Eminent persons visited to Department

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

Sr. No	Name of Faculty	Lecture/Practical	Percentage
Nil			

13. Student -Teacher Ratio (Programme wise)

Sr. No	Academic Year	Total No. of Students	Total No. of Staff	Student Teacher Ratio
1	2016-17	240	16	15:1
2	2015-16	240	16	15:1
3	2014-15	240	16	15:1

4	2013-14	240	16	15:1
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14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No.	Type of Staff	Sanctioned	Filled
1	Technical Assistant	7	7
2	Technician	2	2
3	Nonteaching	2	2

15. Qualifications of teaching faculty with

Ph.D. = 00

Ph. D. (Registered) = 07

PG = 09

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sr. No	Name of Faculty	National /International funding agencies	Grant Received
Nil			

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr. No	Year	Name of Project	DST-FIST / UGC/ DBT/ ICSSR/ Others	Grant Received
Nil				

18. Research Centre/facility recognized by the University

Sr. No	Name of Research Centre/facility
Nil	

19. Publications

1	Publication per faculty	1
2	Number of papers published in peer reviewed journals by faculty and students	18
3	Number of Publications listed in International Database	11
4	Monographs	-
5	Chapter in Books	-
6	Books Edited	-
7	Books with ISBN/ISSN number with details of Publisher	03
8	Citation Index	-

9	SNIP	-
10	SJR	-
11	Impact factor	-
12	H-Index	-

20. Areas of consultancy and income generated

Sr. No	Area of Consultancy	Income Generated
Nil		

21. Faculty as members in a) National Committees, b) International Committees, c) Editorial Boards

Sr. No	Name of Faculty	Member of National / International Committees / Editorial Boards
1	Prof. V. M. Birari	Member of LIC committee of SPPU, Pune
2	Prof. B. N. Shinde	Member of LIC committee of SPPU, Pune
3	Prof. A. P. Meshram	Member of LIC committee of SPPU, Pune
4	Prof. H. V. Patil	Member of LIC committee of SPPU, Pune
5	Prof. V. M. Birari	Chairman / Paper setter for Exam of SPPU, Pune
6	Prof. A. P. Meshram	Chairman / Paper setter for Exam of SPPU, Pune
7	Prof. A. R. Chaudhari	Chairman / Paper setter for Exam of SPPU, Pune

22. Student projects

Sr. No.	Name	Year	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	2016-17	84
		2015-16	100
		2014-15	89
		2013-14	92
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	2016-17	16
		2015-16	0
		2014-15	11
		2013-14	8

23. Awards / Recognitions received by faculty and students Summary

Sr. No.	Name of Faculty /Student	Event Name	Name of Organizer	Prize/ Achievement	State/ National/ International
1	Prof. V. M. Birari	Paper Presentation at Int. Conference	IEEE Pune chapter	Best paper presentation	International conference

24. List of eminent academicians and scientists / visitors to the department :

Sr. No	Year	Name of Visitors	Academicians and scientists/ visitors
1	2016-17	Mr. B.A. Patil	Visitors
2		Mr. Amol Deshmukh	Visitors
3		Mrs. Archana Wadnere	Academicians
4		Mr. Parag Salvekar	Visitors
5		Mrs. Monalisa Jain	Visitors
6		Mr. Gordan Noronha	Visitors
7		Mr. Shrikant Atkarne	Visitors
8	2015-16	Mr. Bachhav Prashant	Visitors
9		Mrs. Monalisa Jain	Visitors
10		Mr. Shrikant Atkarne	Visitors
11		Mr. A. H. Patil.	Scientist
12		Mr. Parag Salvekar	Scientist
13	2014-15	Mr. Ravi Bodane, Pune	Visitors
14		Mr. Rohit Parmar, Pune	Visitors
15		Mr. Ram Kulkarni	Academicians
16		Mr. Shrikant Atkarne	Visitors
17	2013-14	Mr. Deepak Jain	Visitors
18		Mr. Ravi Bodhani, Pune	Visitors
19		Mr. SagarNikam, Nashik	Academicians
20		Dr. V. M. Wadhai	Academicians
21		Mr., Ajay Badve Nashik	Visitors
22		Mrs. AshwiniDeshpande	Visitors
23		Mr. Sanjay Choudhari	Visitors
24		Mr. Gajendra Medhi	Visitors

25. Seminars/ Conferences/Workshops organized & the source of funding:

a. National-

b. International-

Sr. No.	Year	Title	Funded By	Grants
1	2016-17 30Jan to 4 Feb.2017	CMOS & Mixed Signal & Radio Frequency VLSI Design	NMEICT, Delhi	Rs.100000/-
2	2016-17	CMOS Circuit Design using MICROWIND	BCUD, SPPU, Pune	Rs. 100000/-
3	2014-15 (2 nd to 12 Jan.14)	Signals and System workshop	NMEICT, Delhi	Rs.102929/-

26. Student profile programme/course wise

Year	Admission in First Year	Enrolled		Pass Percentage
		*M	*F	
2016-17	42	15	27	NA
2015-16	58	23	35	74.57
2014-15	60	20	40	75.43
2013-14	62	23	39	44.26

*M = Male, *F= Female

27. Diversity of Students

Year	Percentage of students from same state	Percentage of Students from other state	Percentage of Students from abroad
2016-17	65 (39)	5 (3)	Nil
2015-16	96.66 (58)	0 (0)	Nil
2014-15	98.33 (59)	1.66 (1)	Nil
2013-14	98.33 (59)	5 (3)	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Sr. No.	Name of Student	Gate Score	Year
1	Pratiksha Jadhav	25	2015-16
2	Ankita Bhagat	19	2015-16
3	Chetan Mahale	17	2015-16
4	Prajakta Kulkarni	27	2014-15
5	Vrushali Dolas	19	2014-15
6	Seema Gumbade	17	2014-15
7	Nikita Korgaonkar	26	2013-14

8	Kaveri Bachchhav	19	2013-14
9	Ejaj Maniyar	25	2013-14

29. Student progression

Year		Admission in Third Year	
PG to Ph.D.		-	
Ph.D. to Post-Doctoral		-	
Employed	Campus selection	NA 08 09 03	2016-17 2015-16 2014-15 2013-14
	Other than campus Recruitment	NA 39 27 48	2016-17 2015-16 2014-15 2013-14
Entrepreneurship/Self-employment		NA 01 02 02	2016-17 2015-16 2014-15 2013-14

30. Details of Infrastructural facilities (Department Library)

- a. Library: 01
- b. No. of Volumes Available- 323
- c. No. of Titles Available -168
- d. Internet facilities for Staff & Student: Yes (4Mbps)
- e. Class rooms with ICT facility: 04
- f. Laboratories :- 10

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	State/ Central Government
2016-17	--
2015-16	154
2014-15	149
2013-14	167

32. Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts

2016-17:

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
01	Mr. B. A. Patil Prolofic System	“Automation Technology Covers PLC & SCADA”	Workshop
02	Mr. Amol Deshmukh Rishabh Instrument, Nashik.	“Electronics Products”	Seminar
03	Mrs. Archana Wadnere Seed Infotech Ltd. Nashik.	“ C Programming”	Workshop
04	Mr. Parag alvekar	Embedded system	Lecture
05	Mrs. Monalisa Jain	Soft Skill	Lecture
06	Mr. Gordan Narolla	Soft Skill	Seminar
07	Mr. Shrikant Atkarne	CMOS layer designing	Workshop

2015-16

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
01	Mr. Prashant Bachhav	PCB Design	Workshop
02	Mrs. Monalisa Jain	Soft Skill	Seminar
03	Mr. Shrikant Atkarne	CMOS layer designing	Workshop
04	Mr. A. H. Patil.	Gender Equality	Lecture
05	Mr. Parag Salvekar	Embedded system	Lecture

2014-15

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
01	Mr. Ravi Bodane	Personality Development”	Workshop
02	Mr. Rohit Parmar	Ardino Procesor, Latex, PCB Design”	Workshop
03	Mr. Ram Kulkarni	Personality Development”	Lecture
04	Mr. Shrikant Atkarne	CMOS layer designing	Workshop

2013-14

Sr.	Name of expert	Name of event	Lecture/Worksho
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No.			p/ Seminar
01	Mr. Deepak Jain	Automation System	Lecture
02	Mr. Ravi Bodhani	Personal Power	Workshop
03	Mr. Sagar Nikam	Power of MBA	Lecture
04	Dr. V. M. Wadhai	Emotional Freedom Technique EFT	Lecture
05	Mr., Ajay Badve	Campus to Corporate	Lecture
06	Mrs. Ashwini Deshpande	Etiquettes & Manners	Lecture
07	Mr. Sanjay Choudari	Industrial Approach For Electronics	Workshop
08	Mr. Vinay Tambat	How To crack GATE	Lecture
09	Mr. Kunal Takate	How To Crak GATE & CAT	Lecture
10	Mr. Sanjay Choudhari	Industrial Approach For Electronics	Lecture
11	Mr. Gajendra Medhi	Personality Development	Lecture

33. Teaching methods adopted to improve student learning

- a. Improved Lecture method by use of PPT
- b. Use of Video Lectures of NPTEL
- c. Industrial visits
- d. Use of chart and Models

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- a. NSS Camp
- b. Blood Donation
- c. Tree Plantation
- d. Godavari SwashataAbhiyan
- e. MVP Marathon

35. SWOC analysis of the department and Future plans

Strengths:

- a. Experienced and highly qualified faculties
- b. Well maintain laboratory infrastructure with state of art hardware equipmentsand software tools.
- c. Consistently good academic results.
- d. Mentor scheme for students
- e. Departmental student association to motivate the students for extracurricular activities.

- f. Healthy teacher-student ratio.
- g. Soft skill programs, training, value added courses and industrial visit are organized regularly to groom students for industry.
- h. Students performance monitoring through ERP

Weaknesses:

- a. Lack of faculty at higher cadre.
- b. Research, publication and consultancy work needs improvement.
- c. No grants from AICTE, DST,UGC.
- d. Weak in Industry Institute Interaction
- e. Less Students placements

Opportunities:

- a. Improvement in the Industry-Institute interaction
- b. PG Programmes and PhD Research center to improve research activities
- c. Linkage to alumni and parents for the overall development of programme

Challenges:

- a. Consultancy work
- b. Placement of students
- c. To attract the good quality students for the admission to programme.

Future Plan of the Department:

- a. To establish the PG Programmes and Ph.D. Research center.
- b. To establish a good linkage with alumni and parents
- c. To motivate the faculties for Ph.D.
- d. To equip the students with soft skill and advanced technical training programme
- e. To start entrepreneurship cell.
- f. To build robust alumni bonding

CIVIL ENGINEERING

1	Name of the Department	Civil Engineering
2	Year of Establishment	UG 2006-2007 PG 2012-2013
3	Names of Programmes / Courses offered(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG-Civil Engineering PG- Construction Management
4.	Names of Interdisciplinary courses and the departments/units involved	Yes
5.	Annual/ semester/choice based credit system (programme wise)	FE & SE Semester credit system TE & BE Semester System PG Semester credit system
6.	Participation of the department in the courses offered by other departments	Yes
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	Nil
8.	Details of courses/programmes discontinued (if any) with reasons	Nil

9. Number of teaching posts

Post	Sanctioned	Filled
Professors	03	02
Associate Professors	05	02
Asst. Professors	14	17

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name of Staff	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students Guided for the last 4 Years
Dr. M. P. Kadam	BE (Civil) Govt. CoE Aurangabad M.E.(Structure) VJTI Ph.D.	Associate Professor	Structural Engineering, Concrete, Industrial waste	18	Nil

	SVNIT Surat				
Dr. P. G. Gaikwad	BE (Civil), ME(Civil), Ph.D	Professor	Environmental Engineering, Ground Water, Construction Management	19	Nil
Dr. A. B. Saner	BE (Civil), ME(Environmental Engineering), Ph.D	Professor	Environmental Engineering	15	Nil
Prof. M. P. Chougale	BE (Civil) ME (Geotech) PhD Pursuing SPCOE Mumbai	Associate professor	Geotechnical Engineering	15	Nil
Dr. K. T. Patil	M.Sc.(Geology) Ph.D.(Eco. Geology)	Assistant Professor	Geology(Fluid Inclusion Geothermometry)	16.5	Nil
Prof. K. J. Pawar	BE (Civil), ME(Civil)	Assistant Professor	Environmental Engineering	15	Nil
Prof. A. P. Shelorkar	BE (Civil), ME (Structures), Ph.D. Pursuing in S.P.P.U.	Assistant Professor	Structural Engineering	16	Nil
Prof. M. C. Aher	BE (Civil & Water Manage) ME (Building Science & Techno), Ph.D. Purs. in SVNIT	Assistant Professor	Building Science and Technology	12	Nil
Prof. R. P. Kajale	BE (Civil) ME (Water Resources) Ph.D. (Pursuing)	Assistant Professor	Water resources	6	Nil
Prof. S. M. Waysal	BE (Civil) ME (Structural Engineering)Ph. D. -(Pursuing)	Assistant Professor	Structural Engineering	10	Nil
Prof. R. V. Devalkar	BE (Civil) ME (Construction Management,M BA.	Assistant Professor	Construction Management	8.5	Nil
Prof. S. J. Kadbhane	BE (Civil) MTech (Soil	Assistant Professor	Geotechnical Engineering	5	Nil

	Mech.& F. Engg) PhD Purs.				
Prof. A. M. Bhoi	BE (Civil) M. Tech (Structural Engineering) PhD (Pursuing)	Assistant Professor	Structural Engineering	4.5	Nil
Prof. A. S. Patil	BE (Civil) ME (Construction Management)	Assistant Professor	Construction Management	4.5	Nil
Prof. P. D. Aher	BE (Civil) ME (Construction Management)	Assistant Professor	Construction Management	3	Nil
Prof. D. N. Nathe	BE (Civil) ME (Structures)	Assistant Professor	Structural Engineering	4.5	Nil
Prof. P. S. Kapadnis	BE (Civil) ME (Construction Management)	Assistant Professor	Construction Management	6	Nil
Prof. S. Kare	BE (Civil) ME (Construction Management)	Assistant Professor	Construction Management	1	Nil
Prof. M. B. Murkute	BE (Civil) ME (Construction Management)	Assistant Professor	Construction Management	3	Nil
Prof. P. S. Sarkar	M.Sc. (Mathematics)	Assistant Professor	Engineering Mathematics	0.5	Nil
Prof. Y. S. Bhavsar	ME (Electrical)	Assistant Professor	Basic Ele. Engineering	4	Nil
Mr. P.S. Sangamner	BE (Civil) ME Pursuing	Civil Engineer	Infrastructure and Maintenance	5	Nil
Mr. D. D. Dabhade	B.Sc	Technical Assistant	Chemistry	18	Nil
Mrs. S. V. Jadhav	DCM	Technical Assistant	Computer	7.5	Nil
Mr. V. R. Salunke	B. Sc (Electronics)	Technical Assistant	Electronics	6	Nil
Mrs. P. E. Shinde	Diploma in Civil Engineering	Technical Assistant	Civil Engineering	3	Nil

Mr. A. M. Aher	Diploma in Civil Engineering BE Pursuing	Technical Assistant	Civil Engineering	1	Nil
Mr. S. S. Jadhav	Diploma in Civil Engineering	Technical Assistant	Civil Engineering	4	Nil
Mr. P. K. Wagh	Peon	H.S.C	--	19	Nil
Mr. Musale S. D.	Peon	S.S.C	--	15	Nil

11. List of senior visiting faculty

Sr. No	Name of Faculty
Nil	

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

Sr. No	Name of Faculty	Lecture/Practical	Percentage
Nil			

13. Student -Teacher Ratio (Programme wise)

Sr. No.	Academic Year	Total No. of Students	Total No. of Staff	Student Teacher Ratio
1	2016-17	288	21	14:1
2	2015-16	288	21	14:1
3	2014-15	288	20	14:1
4	2013-14	288	17	17:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No.	Type of Staff	Sanctioned	Filled
1	Technical Assitant	06	06
2	Civil Engineer	03	03
2	Attendant	02	02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. -

Ph.D.: 04

Ph.D. (Registered): 09

PG: 08

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sr. No.	Name of Faculty	National /International funding agencies	Grant Received
Nil			

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr. No.	Name of Project	DST-FIST / UGC/ DBT/ ICSSR/ Others	Grant Received
1	Dr. P. G. Gaikwad	BCUD University of Pune	Rs 2.6 lakhs
2	Dr. A B Saner	BCUD University of Pune	Rs 2.8 lakhs

18. Research Centre/facility recognized by the University

Sr. No	Name of Research Centre/facility
Nil	

19. Publications

1	Publication per faculty	1.09
2	Number of papers published in peer reviewed journals by and students	23
3	Number of Publications listed in International Database	2
4	Monographs	-
5	Chapter in Books	-
6	Books Edited	-
7	Books with ISBN/ISSN number with details of Publisher	-
8	Citation Index	-
9	SNIP	-
10	SJR	-
11	Impact factor	1.24 (Heighst)
12	H-Index	2

20. Areas of consultancy and income generated

Sr. No	Area of Consultancy	Income Generated
1	Material testing	3.27 lakh
2	Soil testing	61.90 lakh
3	Surveying	1.00 lakh
4	Structural Audit Facility	0.40 lakh
5	Geology Lab	0.20 lakh

21. Faculty as members in a)National Committees, b)International Committees, c) Editorial Boards

Sr. No	Name of Faculty	Member of National / International Committees / Editorial Boards
1	Dr. M. P. Kadam	Worked as Building committee member for Pune University women's hostel. Worked as UGC selection committee member for Pune University
2	Dr. P. G. Gaikwad	LIC Committee, UGC Committee, Subject Chairman(Construction Management2012Pat), ME Paper Setter (Project Economics & Financial Management)
3	Prof. M. P. Chougale	Subject Chairman, Examiner, Paper Setter (ME, Geotechnical Engineering)
4	Dr. K. T. Patil	Paper Setter & Examiner for SE (Engineering Geology) , BE (Advanced Engineering Geology with Rock Mechanics), External Senior Supervisor, (SPPU), Paper Setter & Examiner for MSc Applied Geology (Solapur University)
5	Prof. R. V. Devalkar	Subject Chairman (Construction Management 2008 Pat), Examiner, Paper Setter for BE (Construction Management 2008Pat.), Paper Setter for ME (Construction & Management)

22. Student projects

Sr. No	Name	Percentage			
1	Percentage of students who have done in-house projects including inter departmental/ programme	100	100	100	100
2	Percentage of students placed for projects in organizations outside the institution i.e.	--	--	--	--

	in Research laboratories/Industry/ other agencies				
--	---	--	--	--	--

23. Awards / Recognitions received by faculty and students Summary

Sr. No.	Name of Student	Event Name	Name of Organizer	Prize/ Achievement	State/ National/ International
1	Kashish Vigh	BE Exam	--	Yashashri award	State
2	Sagar . Shinde	AAKAAR	IIT Bombay	First Prize	National
3	Vidhi Patel	DESIRE 16	Sandip Foundation	Second Prize	National
4	Durwakshi Patil	DESIRE 16	Sandip Foundation	Second Prize	National
5	Sahil Thakare	DESIRE 16	Sandip Foundation	Second Prize	National
6	Sahil Thakare	Sanskrit Gangahara	HPT Arts & RYK Sci. College	Second Prize	National
7	Durwakshi Patil	Sanskrit Gangahara	HPT Arts & RYK Sci. College	Second Prize	National
8	Shaunk Tanpure	Sanskrit Gangahara	HPT Arts & RYK Sci. College	Second Prize	National
9	Vidhi Patel	Sanskrit Gangahara	HPT Arts & RYK Sci. College	Second Prize	National
10	Sagar Shinde	Constructo Tech Fest	IIT Bombay	First Prize	National
11	Ajay Dhuria	Civil Championship	IBCC	First Prize	National
12	Sagar Shinde	Civil Championship	IBCC	First Prize	National
13	Aniruddha Chopdekar	Civil Championship	IBCC	First Prize	National
14	Aniruddha Chopdekar	AXIS 14	VNIT Nagpur	Third Prize	National
15	Pranav More	AVISHKAR-2013	KTHM College Nashik	Participated	State
16	Aniruddha Chopdekar	AAKAAR 14	IIT Bombay	Second Prize	National
17	Vishwadip Date	TECH FEAST	Matoshri COE Nashik	Second Prize	State
18	Aniruddha Chopdekar	TECH FEAST	Matoshri COE Nashik	Second Prize	State

19	Vishwadip Date	Techuniqu2k14	Amrutvahini COE Sangamner	First Prize	National
20	Kiran Chaudhary	Techuniqu2k14	Amrutvahini COE Sangamner	First Prize	National
21	Irfan Shaik	Architects & Engineers Asso.	Nashik	Yashashree Award	State
22	Jaisal Chourasia	AAKAAR 13	IIT Bombay	Second Prize	National
23	Aniruddha Chopdekar	AAKAAR 13	IIT Bombay	Second Prize	National
24	Ajay Dhuria	AAKAAR 13	IIT Bombay	Second Prize	National
25	Swapnil Dhane	COGNIZANCE 2012	IIT Roorkee	Third Position	National
26	Shalmali Tambat	COGNIZANCE 2012	IIT Roorkee	Third Position	National
27	Jaisal Chourasia	AAKAAR 12	IIT Bombay	Second Prize	National
28	Jaisal Chourasia	AVISHKAR-2012	KTHM College Nashik	First Prize	State
29	Pankaj Gore	DESIRE 13	SIE Nashik	Third Position	National
30	Santosh Nagare	DESIRE 13	SIE Nashik	Third Position	National
31	Sachin Jadhav	DESIRE 13	SIE Nashik	Third Position	National
32	Bhushan More	DESIRE 13	SIE Nashik	First Position	National
33	Dnyaneshwar Kumawat	DESIRE 13	SIE Nashik	Third Position	National
34	Nikita Jamkar	G-ELEGANT	RH Sapat COE Nashik	First Position	State
35	Janavi Bhat	G-ELEGANT	RH Sapat COE Nashik	First Position	State

24. List of eminent academicians and scientists / visitors to the department:

Sr. No	Name of Visitor	Academicians /Scientists / Visitors
1	Dr. N.V. Ramamurthi	Academicians NIT Warangal
2	Dr Deepak Khare	IIT, Roorkee
3	Dr. H. S. Patil	SVNIT Surat
4	Dr. V. L. Manekar	SVNIT Surat
5	Dr. Y. D. Patil	SVNIT Surat

6	Er. Thomos Sconrich	MD G. S. Wasr, Germany
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25. Seminars/ Conferences/Workshops organized & the source of funding:

Workshop

Sr. No	Academic Year	Topic	Duration	Remark
1	2013-14	Engineering Mechanics	26-11-2013 To 06-12-2013	NMICET-IIT Bombay
2	2015-16	Structural Analysis	04-01-2016 To 09-01-2016	NMICET-IIT Roorkee

26. Student profile programmer/course wise

Year	Admission in First Year	Enrolled		Pass Percentage
		*M	*F	
2016-17	61	41	20	---
2015-16	63	37	26	68.85
2014-15	63	37	26	78.94
2013-14	64	44	20	61.90

*M = Male *F = Female

27. Diversity of Students

Year	Percentage of students from same state	Percentage of Students from other state	Percentage of Students from abroad
2016-17	96.67	3.33	NIL
2015-16	100	NIL	NIL
2014-15	100	NIL	NIL
2013-14	96.67	3.33	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Sr. No	Year	GA TE	PG CET	MPSC	P W D	Irrigation Dept. /MJP	ZP	GRE / TOFEL	BMC	Total
1	2016-17	-----	-----	-----	-	-----	---	-----	-----	-----
2	2015 -16	3	-----	-----	- -	-----	---	3	---	6
3	2014-15	1	-----	-----	3	1	---	---	2	7
4	2013-14	-----	-----	-----	2	-----	---	1	-----	3

29. Student progression

Student progression		Against % enrolled			
		2016-17	2015-16	2014-15	2013-14
UG to PG		----	25	31.66	16.66
PG to PhD		Nil	Nil	Nil	Nil
Ph.D. to Post-Doctoral		Nil	Nil	Nil	Nil
Employed	Campus selection	--	2	Nil	Nil
	Other than campus Recruitment	--	10	20	38.33
Entrepreneurship/Self-employment			01	02	02

30. Details of Infrastructural facilities(Department Library)

- Library: 26.83 sq.m
- No. of Volumes Available- 103
- No. of Titles Available - 95
- Internet facilities for Staff & Student: Yes
- Class rooms with ICT facility: 02
- Laboratories :- 08

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	State/ Central Government	Other Agencies
2016-17	--	01
2015-16	197	01
2014-15	144	01
2013-14	162	--

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external experts

2016-17:

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
1	Er. Sameer Alone	Career opportunity in civil engineering	Lecture
2	Er. Arun Ghate	Water Managment	Lecture
3	Er. Avinash Shisode	Entrepreneurship Development	Seminar
4	Er. Vijay Shejwal	Mumabi Metro and Professional ethics	Seminar

2015-16

Sr. No.	Name of expert	Name of event	Lecture/Workshop/ Seminar
1	Dr. H. S Patil	Introduction to structural	Seminar

		analysis	
2	Ar. Unmesh Gaidhani	Architectural Design	Lecture
3	Prof. Harshad Wagh	Microsoft Project Software	Workshop
4	Er. Suresh Bhondekar	Hydro Power Engineering	Lecture
5	Er. Sunil Sawardekar	Water use and audit	Lecture
6	Dr. Sunil Kute	View towards the life	Lecture

2014-15

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Prof. K. L. Bidkar	Advanced Construction Technology	Lecture
2	Prof. T. H. Sutar	Town Planning	Lecture
3	Dr. V. L Manekar	Hydrology and Water resource	Seminar

2013-14

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Mr. Anil Deshpande	Scope in civil engineering	Lecture
2	Dr. Prachi Pawar	Health Care	Seminar
3	Dr. Rajesh Phadke	Contract and Tendering Process	Lecture
4	Dr. N. V. Ramamurthy	Watershed Management	Lecture

33. Teaching methods adopted to improve student learning

NPTEL Videos, Power Point Presentation (PPT), field test, Case studies.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- a. National Service Scheme (NSS)
- b. Blood donation Camp
- c. Tree Plantation
- d. MVP Marathon
- e. Water Audit
- f. Godawari Swachhata Abhiyan

35. SWOC analysis of the department and Future plans

Strength

- a. Qualified and Experienced faculty
- b. Industry expert lectures & Workshops
- c. Well equipped labs and class rooms
- d. Regular Site visits
- e. Skilled technical/ supporting staff

- f. Industry oriented Projects and seminar
- g. Equipped CAD lab with internet facility
- h. Student's performance monitoring through ERP
- i. Technical symposiums and events.

Weakness

- a. Research Publication
- b. Digital Classrooms
- c. Soft Skills
- d. Alumni meets and Parent meets

Opportunities

- a. Industry- Institute Interaction
- b. MoU with Professional Bodies
- c. Consultancy
- d. Software Trainings

Challenges

- a. Improvements in Student Quality
- b. To produce employable students to satisfy requirements of Industries.

Future Plan of Action

- a. To start a cell which will enhance the employable skill of student
- b. To do MOU with industries which will help in training the student to cope up with technology
- c. To provide coaching for student for technical competitive examinations such as GATE, IES, MPSC etc.

INFORMATION TECHNOLOGY

1.	Name of the Department	Information Technology
2.	Year of Establishment	2008-2009
3.	Names of Programs / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph.D., etc.)	UG: B.E. Information Technology
4.	Names of Interdisciplinary courses and the departments/units involved	Yes
5.	Annual/ semester/choice based credit system (program wise)	FE & SE Semester Credit system TE & BE Semester System
6.	Participation of the department in the courses offered by other departments	Yes
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	-
8.	Details of courses/programmes discontinued (if any) with reasons	Nil

9. Number of teaching posts

Post	Sanctioned	Filled
Professors	01	--
Associate Professors	03	01
Assistant Professors	09	16

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name of Staff	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students Guided for the last 4 Years
Prof. H. V. Patil	Ph.D. (pursuing) M. Tech., BE.	Associate Professor	E & TC Engineering	30	Nil
Ms. R. R. Tajanpure	M.Tech Ph.D Pursuing	Asst. Professor	Computer Enigneering	13	Nil
Prof. S. P. Jadhav	M.E.	Assistant Professor	Computer Engineering	9	Nil

Prof. J. R. Suryawanshi	Ph.D. (Pursuing)	Assistant Professor	Computer Engineering	9	Nil
Prof. D. R. Gatne	M.E.	Assistant Professor	Computer Engineering	7	Nil
Prof. T. S. Pawar	M.E.	Assistant Professor	Computer Engineering	7	Nil
Prof. A. G. Khairnar	M.E.	Assistant Professor	Computer Engineering	7	Nil
Prof. A. D. Deore	M.E.	Assistant Professor	Computer Engineering	6	Nil
Prof. S. J. Suryawanshi	M.E.	Assistant Professor	Computer Engineering	6	Nil
Prof. S. S. Bhamre	M.E.	Assistant Professor	Computer Engineering	5	Nil
Prof. Y. H. Palve	M.E. (Pursuing)	Assistant Professor	Computer Engineering	4	Nil
Prof. U. S. Tambe	M.E.	Assistant Professor	Computer Engineering	4	Nil
Prof. N. S. Ujgare	M.E.	Assistant Professor	Computer Engineering	10	Nil
Prof. B. A. Ahire	M.E.	Assistant Professor	Computer Engineering	8	Nil
Prof. D. A. Birari	M.E.	Assistant Professor	Computer Engineering	5	Nil
Prof. V. P. Harak	ME (Electrical)	Assistant Professor	Basic Ele. Engineering	8	Nil
Prof. S. D. Marathe	M.Sc. (Mathematics)	Assistant Professor	Engineering Mathematics	2	Nil

11. List of senior visiting faculty

Sr. No	Name of Faculty
Nil	

12. Percentage of lectures delivered and practical classes handled(program wise) by temporary faculty

Sr. No	Name of Faculty	Lecture/Practical	Percentage
Nil			

13. Student -Teacher Ratio (program wise)

Sr. No.	Academic Year	Total No. of Students	Total No. of Staff	Student Teacher Ratio
1	2016-17	240	17	14:1
2	2015-16	240	16	15:1
3	2014-15	240	16	15:1
4	2013-14	240	16	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No	Type of Staff	Sanctioned	Filled
1	Technical Assistant	05	05
2	Attendant	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. – PhD (Registered) -02, PG-14**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received**

Sr. No	Name of Faculty	National /International funding agencies	Grant Received
Nil			

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr. No	Name of Project	DST-FIST / UGC/ DBT/ ICSSR/ Others	Grant Received
Nil			

18. Research Centre/facility recognized by the University

Sr. No	Name of Research Centre/facility
Nil	

19. Publications**Publication per faculty**

1	Publication per faculty	1.41
2	Number of papers published in peer reviewed journals by faculty and students	29
3	Number of Publications listed in International Database	24
4	Monographs	Nil
5	Chapter in Books	Nil
6	Books Edited	Nil

7	Books with ISBN/ISSN number with details of Publisher	Nil
8	Citation Index	Nil
9	SNIP	Nil
10	SJR	Nil
11	Impact factor	Nil
12	H-Index	Nil

20. Areas of consultancy and income generated

Sr. No	Area of Consultancy	Income Generated
Nil		

21. Faculty as members in a) National Committees, b) International Committees, c) Editorial Boards

Sr. No	Name of Faculty	Member of National / International Committees / Editorial Boards
1	Prof. N. S. Ujgare	International Journal of Computer Trends and Technology(IJCTT) Reviewer of IJARCE Journal

22. Student projects

Sr. No.	Name	Percentage
1	Percentage of students who have done in-house projects including inter departmental/program	80%
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	20%

23. Awards / Recognitions received by faculty and students Summary

Sr. No	Name of Student	Event Name	Name of Organizer	Prize/ Achievement	State/ National/ International
1	Rani Wagh	MVP-Kshitij 2016-Pro-Manifesto	NDMVPS's KBTCOE, Nashik	Third prize	National
		Project Mine 2016	Matoshri COERC, Nashik	First Prize	National
2	Pooja Jadhav	MVP-Kshitij 2016-Pro-Manifesto	NDMVPS's KBTCOE, Nashik	First Prize	National
3	Yogita Shirsath	MVP-Kshitij 2016-Pro-	NDMVPS's KBTCOE,	Third Prize	National

		Manifesto	Nashik		
4	Mayur Bachhav	MVP-Kshitij 2016-Paper-azzi	NDMVPS's KBTCOE, Nashik	Second Prize	National
5	Manish Wagh	MVP-Kshitij 2016-Paper-azzi	NDMVPS's KBTCOE, Nashik	Second Prize	National
6	Vijay Gare	MVP-Kshitij 2016-Paper-azzi	NDMVPS's KBTCOE, Nashik	Second Prize	National
7	Chhakuli Dhurjad	Project Mine 2016	Matoshri COERC, Nashik	First Prize	National
8	Rabaab Ratlamwala	Ignite 2015-TechByte	MET COE, Nashik	First Prize	National
		Ascend 2015-Code Sureon	KKWCOE, Nashik	Second Prize	National
9	Vaishnavi Handore	Meteorite 2015-C Programming	MET COE, Nashik	Second prize	National
10	Vaidehi Kakodkar	Meteorite 2015-C Programming	MET COE, Nashik	Second prize	National
11	Nupoor Lokwani	MVP-Kshitij 2016-Huntington	NDMVPS's KBTCOE, Nashik	Second Prize	National
		MVP-Throw Ball	NDMVPS's KBTCOE, Nashik	First Prize	National
		MVP-Elicit 2015- Coding Geek	NDMVPS's KBTCOE, Nashik	Second Prize	National
12	Pranjal Darekar	MVP-Kshitij 2016 – Throw ball	NDMVPS's KBTCOE, Nashik	First Prize	National
13	Sayli Bodake	MVP-Kshitij 2016 – Cricket under arm	NDMVPS's KBTCOE, Nashik	Second Prize	National
14	Priyanka Bhandari	Art Gallery-Poster Making	NDMVPS's KBTCOE, Nashik	First Prize	National
15	Pooja Patil	Throw Ball	NDMVPS's KBTCOE,	First Prize	National

			Nashik		
16	Pranjal Darekar	Throw Ball	NDMVPS's KBTCOE, Nashik	First Prize	National
17	Akash Deshpande	Snap-O-Graphy	MET COE, Nashik	First Prize	National
		Sherlocked	KKWIEER, Nashik	Second prize	National
		Gaming-NFS	NDMVPS's KBTCOE, Nashik	Third prize	National
		Instrubotics 2015- Aпти-Quiz	KKWIEER, Nashik	First Prize	National
18	Mahesh Ahire	Mapathon	MET COE, Nashik	Second Prize	National
		Equinox 2014-Sherlocked	KKWIEER, Nashik	Second Prize	National
19	Priyanka Deore	Fusion 2014-Cricket	NDMVPS's KBTCOE, Nashik	First Prize	National
		Fusion 2014-Cricket	NDMVPS's KBTCOE, Nashik	Man of the series	National
20	Monika Mandge	C-Coding in ITIAZZA-14	KKWIEER, Nashik	First Prize	National
21	Kavita Daware	Profest in ITIAZZA-14	KKWIEER, Nashik	Second Prize	National

24. List of eminent academicians and scientists / visitors to the department:

Sr. No	Name of Visitor	Academicians /Scientists / Visitors
Nil		

25. Seminars/ Conferences/Workshops organized & the source of funding:

Sr. No.	Name of Seminars/Conferences/Workshops	Source of Funding
1	Kshitij	Self-financed
2	STTP Workshops	IIT

3	STTP Workshop	Self-financed
4	Android Workshop	--
5	Big Data & Hadoop	Self-financed

26. Student profile program/course wise

Year	Admission in First Year	Enrolled		Pass Percentage
		*M	*F	
2016-17	53	24	29	--
2015-16	61	22	39	49.90%
2014-15	52	16	36	62.07%
2013-14	56	17	39	76.47%

*M = Male *F = Female

27. Diversity of Students

Year	Percentage of students from same state	Percentage of Students from other state –FE	Percentage of Students from abroad
2016-17	98.11	1.88	Nil
2015-16	100	Nil	Nil
2014-15	100	Nil	Nil
2013-14	98.21	1.78	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

29. Student progression

Student progression	Against % enrolled			
	2013-14	2014-15	2015-16	2016-17
UG to PG	--	10	--	--
PG to M.Phil	--	--	--	--
PG to Ph.D.	--	--	--	--
Ph.D. to Post-Doctoral	--	--	--	--
Employed Campus selection Other than campus selection	06	05	08	03
		09	09	
Entrepreneurship/Self-employment				

30. Details of Infrastructural facilities (Department Library) -

- a. Library: -
- b. No. of Volumes Available: -

- c. No. of Titles Available -
- d. Internet facilities for Staff & Student: Available
- e. Class rooms with ICT facility: 03
- f. Laboratories : 09

31. Number of students receiving financial assistance from college, university, government or other agencies?

Academic Year	State/ Central Government
2016-17	--
2015-16	171
2014-15	95
2013-14	135

32. Details on student enrichment programs (special lectures/workshops/seminar) with external experts

2016-17:

Sr. No	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Mr. Pankaj Singh	Big data and Hadoop	Workshop
2	Mrs. Vijayta Bhat	Android App Development	Workshop

2015-16

Sr. No	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Dr. Partha Pratim Chkraborty	Introduction to design of algorithms	Workshop

2014-15

Sr. No	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Dr.Kameshwari Chebrolu	Computer Networking	Workshop

33. Teaching methods adopted to improve student learning

- a. Video Lectures
- b. Power Point Presentations
- c. Industrial visit

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- a. Swachhata Abhiyan conducted on the occasion of Dr. Vasantaro Pawar Smrutid during
- b. September 2016.
- c. Tiffin Service for Civil Hospital

- d. NSS camp under the leadership of Prof. Tejaswini S. Pawar was held at Govardhan, Nashik under the umbrella of special winter NSS camp, SPPU, NDMVP KBTCE, Nashik during 2015-16.
- e. Godavari River Cleaning during 2014-15.
- f. Tree Plantation on the occasion of MVP Samaj din on 19th August during 2013-14, 2014- 15, 2015-16, and 2016-17.

35. SWOC analysis of the department and Future plans

Strength:

- a. Enthusiastic faculty
- b. Optimistic and unbiased approach
- c. Healthy competition amongst the students
- d. Best infrastructure facilities

Weakness:

- a. Research faculty/publication/grants
- b. Alumni meet
- c. Parents meet
- d. Industry institute interaction(III)
- e. Placements
- f. Only one faculty pursuing Ph.D.

Opportunities:

- a. Working on accreditation
- b. Improving all entities and processes
- c. IT Consultancies

Challenges:

- a. Contribution of parents and alumnus
- b. Industry interaction
- c. To improve faculty research

Future plans of the Department:

- a. To start the PG Program and Ph. D. research center
- b. To improve interaction with Industry, Alumni and parents
- c. To encourage the staff for Doctoral programs enrolment
- d. To improve entrepreneur skills of the students
- e. To improve technical and soft skills of the students to lead the healthy competition

MASTER OF BUSINESS ADMINISTRATION

1	Name of the Department	Master of Business Administration
2	Year of Establishment	2009-10
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	P.G.
4	Names of Interdisciplinary courses and the departments/units involved	--
5	Annual/ semester/choice based credit system (programme wise)	Semester/Choice based credit system
6	Participation of the department in the courses offered by other departments	YES
7	Courses in collaboration with other universities, industries, foreign institutions etc.	Nil
8	Details of courses/programmes discontinued (if any) with reasons	Nil

9. Number of teaching posts

Post	Sanctioned	Filled
Professors	01	01
Associate Professors	02	01
Assistant Professors	05	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./ D.Litt./ Ph.D. / M. Phil. etc.,)

Name of Staff	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students Guided for the last 4 Years
Dr. D. T. Khairnar	BE, MBA, PhD	Professor	Productions & Operations Management	Teaching 14; Industrial : 5	01
Dr. S.R. Pachorkar	BE, MBA, PhD	Associate Professor	Marketing Management	10	Nil

Prof. N. J. Salunke	BE, MBA, SET	Assistant Professor	Marketing Management	06	Nil
Prof. L. C. Sontakke	BBA, MBA	Assistant Professor	Marketing Management	06	Nil
Prof. R. N. Mahale	MCOM, MBA	Assistant Professor	Finance Management	07	Nil
Prof. S. V. Bachhav	BE, MBA	Assistant Professor	System Management	04	Nil
Ms. S .N. Salade	DE (Computer Engineering)	Technical Assistant	Computer	06	Nil

11. List of senior visiting faculty

Sr. No.	Name of Visiting Faculty
1	Prof. Dr. R. R. Berad
2	Prof. Shirin Sonawane
3	Prof. Roland Lobo
4	Prof. Minu Sethi
5	Prof. Deepali Mukharjee
6	Prof. Jyoti Kelkar
7	Prof. Gordon Noronha
8	Prof. Neeta Nigam
9	Prof. Vishal Potdar
10	Prof. Sanjivan Tambulvadikar
11	Prof. Jitendra Chaudhari
12	Prof. Sandip Shirsath
13	Dr. Vishal Khandelwal

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Sr. No	Name of Faculty	Lecture/Practical	Percentage
Nil			

13. Student -Teacher Ratio (programme wise)

Sr. No.	Academic Year	Total No. of Students	Total No. of Staff	Student Teacher Ratio
1	2016-17	120	6	20:1
2	2015-16	120	6	20:1

3	2014-15	120	6	20:1
4	2013-14	120	7	17:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No	Type of Staff	Sanctioned	Filled
1	Technical Assistant	01	01
2	Administrative Support Staff	--	--

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. -

Ph.D. : 02

Ph.D. Registered: 01

P.G.: 03

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Sr. No	Name of Faculty	National /International funding agencies	Grant Received
1	Dr. S. R. Pachorkar	BCUD, SPPU, Pune	1,00,000/-
2	R. N. Mahale	BCUD, SPPU, Pune	2,00,000/-

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL

Sr. No	Name of Project	DST-FIST / UGC/ DBT/ ICSSR/ Others	Grant Received
Nil			

18. Research Centre/facility recognized by the University: Nil

Sr. No	Name of Research Centre/facility
Nil	

19. Publications

1	Publication per faculty	03
2	Number of papers published in peer reviewed journals by faculty and students	04
3	Number of Publications listed in International Database	-
4	Monographs	-
5	Chapter in Books	-
6	Books Edited	-
7	Books with ISBN/ISSN number with details of Publisher	-
8	Citation Index	-

9	SNIP	-
10	SJR	-
11	Impact factor	-
12	H-Index	-

20. Areas of consultancy and income generated:

Sr. No	Area of Consultancy	Income Generated
Nil		

21. Faculty as members in a) National Committees, b) International Committees, c) Editorial Boards

Sr. No	Name of Faculty	Member of National / International Committees / Editorial Boards
1	Dr. D. T. Khairnar	Reviewer, Journal of Business and Economics - published by Academic Star Publishing Company, New York NY 10017. (ISSN:2155-7950)
		Member, Board of Studies, SPPU, Pune, Period: November-2014 To November-2016
		Member, 32/5 Committee, SPPU, Pune, Period: November-2014 To November-2016
		Member, Local Inquiry Committee, SPPU, Pune
		Member, Board of Studies, Sandip University, Nashik

22. Student projects

Sr. No	Name	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	-
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	100%

23. Awards / Recognitions received by faculty and students Summary

Sr. No.	Name of Student	Event Name	Name of Organizer	Prize/ Achievement	State/ National/ International
1	Dr. S. R. Pachorkar	Avishkar -2013	Government of Maharashtra	State level- Avishkar-13	State Level

24. List of eminent academicians and scientists / visitors to the department:

Sr. No	Name of Visitor	Academicians /Scientists / Visitors
1	Dr. Omprakash Kulkarni	Advisor, Mentor, Consulting Engineer & Young Scientist
2	Mrs. Arya Hycinth	Corporate Trainer
3	Mr. Gordon Noronha	Corporate Trainer
4	Mr. Hanmantrao Rao (TCS)	CEO, TCS
5	Mr. Daniel Goodman & Mohammad	Scientists (MIT Media Lab, USA)
6	CA Tushar Jagtap	Practicing CA
7	Mr. Mansukhbhai Prajapati	Awarded Most Powerful Rural Entrepreneur
8	Mr. Yashovardhan Baramatikar	CEO, KVIC, Mumbai
9	Mr. S. R. Patil	Director (R-SETI, Bank of Maharashtra)
10	Manas Gajare	Entrepreneur
11	CA SanjivanT ambulvadikar	Practicing CA
12	Mr. Amit Pandey	Entrepreneur
13	Ms. Kalyani Khodake	Entrepreneur
14	Mr. Shaunak Chafekar	Entrepreneur
15	Ms. Bhagyashri Dashpute	Entrepreneur
16	Ms. Aishwarya Bodke	Entrepreneur
17	Mr. Bhavesh Bhatia	Entrepreneur
18	Mr. Uddhav Aher	Entrepreneur
19	Mr. Pramod Gaikwad	Entrepreneur
20	CA Vishal Poddar	Practicing CA
21	Mr. Kiran Bhide	Entrepreneur
22	Mr. Aditya Oak	Music Director
23	Mr. Amol Kadam	Entrepreneur

25. Seminars/ Conferences/Workshops organized & the source of funding:

- a. National Conferences- 02 (QIP, BCUD, SPPU, Pune)
- b. International- Nil

26. Student profile programme/course wise

Year	Admission in First Year	Enrolled		Pass Percentage
		*M	*F	
2016-17	60	26	34	

2015-16	60	31	29	94.44%
2014-15	54	26	28	91.23%
2013-14	60	28	32	85.71%

*M = Male *F = Female

27. Diversity of Students

Year	Percentage of students from same state	Percentage of Students from other state	Percentage of Students from abroad
2016-17	100%	Nil	Nil
2015-16	100%	Nil	Nil
2014-15	100%	Nil	Nil
2013-14	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

29. Student progression

Student progression		Against % enrolled
PG to Ph.D.		Nil
Ph.D. to Post-Doctoral		Nil
Employed	Campus selection	2014-15: 15% 2015-16: 39%
	Other than campus Recruitment	2014-15: 47% 2015-16: 37%
Entrepreneurship/Self-employment		2014-15: 06- Students 2015-16: 03-Students

30. Details of Infrastructural facilities(Department Library):

- Library: Available
- No. of Volumes Available:- -
- No. of Titles Available: - 177
- Internet facilities for Staff & Student: Available
- Class rooms with ICT facility: Available 02
- Laboratories :- Computer Labs: 02

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	State/ Central Government
2016-17	28
2015-16	36
2014-15	21

2013-14	31
---------	----

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

2016-17:

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
1	Mr. Gordon Noronha	Personality development programmes	01 Day Workshop
2	Mr. Amar Thakare & PSI Shinde Madam	Cyber Security Awareness Programme	Lecture
3	Mr. Amol Kadam	Digital Marketing Expert Talk	Lecture
4	Mr. Kiran Bhide	SwayamTumchyaDaari (Entrepreneurship)	Lecture
5	Mr. Aditya Oak	SwayamTumchyaDaari (Entrepreneurship)	Lecture

2015-16

Sr. No.	Name of expert	Name of event	Lecture/ Workshop /Seminar
1	Mr. Ravikumar Iyar	Talk on Swadeshi Movement	Lecture
2	Mr. Ravindran	Talk on Financial Planning	Lecture
3	Mr. V. P. Joshi	Talk on Financial Planning	Lecture
4	CA Tushar Jagtap	Talk on Taxation & Financial Planning	Lecture
5	Mr. Laxman Gole	Experience Sharing	Lecture
6	Mr. Papalkar	Talk on “Swami Vivekananda”	Lecture
7	Mr. Bhavesh Bhatia	Talk on “Entrepreneurship”	Lecture
8	Mr.Mansukhbhai Prajapati	National Conference-2015	Lecture
9	Mr. Amit Pandey	Young Turks National Conference-2015	Lecture
10	Ms. Kalyani Khodake	Young Turks National Conference-2015	Lecture
11	Mr. Shaunak Chafekar	Young Turks National Conference-2015	Lecture
12	Ms. Bhagyashri Dashpute	Young Turks National Conference-2015	Lecture
13	Ms. Aishwarya Bodke	Young Turks National Conference-2015	Lecture
14	Mr. Milind Kulkarni	Talk on Arth-Kranti	Lecture
15	CA Tushar Jagtap	Talk on Financial Planning	Lecture

2014-15

Sr. No.	Name of expert	Name of event	Lecture/ Workshop/ Seminar
1	Mr. Dilip Chavan	Talk on “Ethics & Social Responsibility”	Lecture
2	Mr. Chirag Patil	Art of Living	Lecture
3	Dr. Smita Kolhe	Talk on Social Responsibilities	Lecture
4	Mr. Gordon Norolla	Personality development programmes	01-Day Workshop
5	Mr. Ajit Takke	Talk on Life Style	Lecture
6	Mr. Hanumant Rao	Talk on Innovations	Lecture
7	Mr. Danial Goodman & Mohammad	Talk on Smart City	Lecture
8	Ms. Krushna Patil	Motivational Talk	Lecture
9	Mr. Matin Bhosale	Motivational Talk	Lecture

2013-14

Sr. No	Name of expert	Name of event	Lecture/Workshop/ Seminar
1	Mrs. Nandita Ray	Soft Skill Development	Workshop

33. Teaching methods adopted to improve student learning

- a. Case Study / Case-lets / Situation Analysis – (Group Activity or Individual Activity)
- b. Field Survey / Study tour and report of the same
- c. Small Group Project
- d. Group Discussion
- e. Role Play / Story Telling
- f. Industry Analysis – (Group Activity or Individual Activity)
- g. Literature Review / Book Review
- h. Model Development / Simulation Exercises – (Group Activity or Individual Activity)
- i. Quiz/Debate
- j. News Paper Reading
- k. Poster Presentation
- l. Mobile Ad-Making
- m. Entrepreneur Interviews

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- a. Project Bandhan
- b. Project Divyang
- c. NSS

- d. MVP Marathon
- e. Mission Clean Godavari
- f. Clean Nashik Competition
- g. Blood Donation Camp

35. SWOC analysis of the department and Future plans

Strengths:

- a. Innovative Learning Practices
- b. Well-Equipped Infrastructure
- c. Strong Industrial Connect
- d. Well Qualified And Experienced Faculty
- e. Developed Individual Brands Of Social Entrepreneurship Through Project Bandhan & Project Divyang.

Weaknesses:

- a. Lack In Student & Faculty Exchange Program With Reputed Universities
- b. Lack in Faculty Development Program
- c. Unable to Organize Parent Meets & Alumni Meets

Opportunities:

- a. To Attract Graduates Who Are Looking For Entrepreneurship
- b. Strong Industrial Bonding Will Help In The Area Of Management Research & Innovations
- c. Research Center For Ph.D.

Challenges:

- a. To Scale Up Resources For Organizing Management Development Programs
- b. To Attract Good Quality Graduates Who Will Take Admission As A Full Time Student

Future Plans:

- a. To strengthen the research and consultancy activities in the department.
- b. To establish a center of excellence in the education for PhD programs

MASTER OF COMPUTER APPLICATIONS

1.	Name of the Department	Master of Computer Applications (Engg.)
2.	Year of Establishment	2010
3.	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D. Integrated Masters; Integrated Ph.D., etc.)	PG: Master of Computer Applications (Engineering) (3 years full time)
4.	Names of Interdisciplinary courses and the departments/units involved	Nil
5.	Annual/ semester/choice based credit system (programme wise)	PG: Semester & Choice based Credit system
6.	Participation of the department in the courses offered by other departments	Nil
7.	Courses in collaboration with other universities, industries, foreign institutions etc.	Nil
8.	Details of courses/programmes discontinued (if any) with reasons	NA

9. Number of teaching posts

Post	Sanctioned	Filled
Professors	Nil	-
Associate Professors	01	-
Assistant Professors	04	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

Name of Staff	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students Guided for the last 4 Years
Prof. N. R. Kakad	BSc, MCA(Engg.)	Assistant Professor	Computer Application	5.2	Nil
Prof. S. M. Yawalkar	BCS,MCA	Assistant Professor	Computer Application	8	Nil

Prof. M. V. Malode	B.E(Computer), M.E(Computer)	Assistant Professor	Computer	5.3	Nil
Prof. D. L. Tidke	B.E(I.T), M.E(Computer)	Assistant Professor	Computer	5.3	Nil
Mrs. S. S. Patil	DCT	Technical assistant	Computer	6.2	Nil
Mrs. S. D. Thombre	SSC	Peon	-	8.3	Nil

11. List of senior visiting faculty

Sr. No.	Name of Faculty
1	Dr. B. D. Ekade
2	Prof. B. J. Gade
3	Prof. D. V. Nandre

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Sr. No.	Name of Faculty	Lecture/Practical	Percentage
1	Prof. G. D. Dhattrak	Lecture	100%
2	Prof. Shaileja Bhor	Lecture	100%
3	Prof. Vandana Bhor	Lecture	100%
4	Prof. G. D. Kale	Lecture	100%

13. Student -Teacher Ratio (programme wise)

Sr. No.	Academic Year	Total No. of Students	Total No. of Staff	Student Teacher Ratio
1	2016-17	120	04	30:1
2	2015-16	120	08	32:1
3	2014-15	120	09	20:1
4	2013-14	180	11	16:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sr. No	Type of Staff	Sanctioned	Filled
1	Technical Assistant	01	01
2	Attendant	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt./ Ph.D./ MPhil / PG. - Refer: PG- 04.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre/facility recognized by the University: MCA CAP(2013)

19. Publications

1	Publication per faculty	1.0
2	Number of papers published in peer reviewed journals by faculty and students	04
3	Number of Publications listed in International Database	06
4	Monographs	Nil
5	Chapter in Books	Nil
6	Books Edited	Nil
7	Books with ISBN/ISSN number with details of Publisher	Nil
8	Citation Index	Nil
9	SNIP	Nil
10	SJR	Nil
11	Impact factor	Nil
12	H-Index	Nil

20. Areas of consultancy and income generated: Nil

21. Faculty as members in a)National Committees, b)International Committees, c) Editorial Boards

A.Y 2016-17

Sr. No.	Name of Faculty	Committee
1	Prof. M. V. Malode	Paper Setter in SPPU.
2	Prof. M. V. Malode	Paper Examiner in SPPU.
3	Prof. D. L. Tidke	Paper Setter in SPPU.

A.Y 2015-16

Sr. No.	Name of Faculty	Committee
1	Prof. M. V. Malode	Paper Setter in SPPU.
2	Prof. M. V. Malode	Paper Examiner in SPPU.
3	Prof. D. L. Tidke	Paper Setter in SPPU.

A.Y 2014-15

Sr. No.	Name of Faculty	Committee
1	Prof. V. S. Tidake	Chairman in SPPU
2	Prof. M. V. Malode	Paper Setter in SPPU.

3	Prof. M. V. Malode	Paper Examiner in SPPU.
4	Prof. D. L. Tidke	Paper Setter in SPPU.

A.Y 2013-14

Sr. No.	Name of Faculty	Committee
1	Prof. V. S. Tidake	Chairman in SPPU
2	Prof. M. V. Malode	Paper Setter in SPPU.
3	Prof. M. V. Malode	Paper Examiner in SPPU.
4	Prof. D. L. Tidke	Paper Setter in SPPU.
5	Prof. R. S. Junagade	Paper Setter in SPPU.

22. Student projects

Year 2015-16

Sr. No.	Name	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	2.8%
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	97.18%

Year 2014-15

Sr. No.	Name	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	2%
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	90%

Year 2013-14

Sr. No.	Name	Percentage
1	Percentage of students who have done in-house projects including inter departmental/programme	-
2	Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	95%

23. Awards / Recognitions received by faculty and students Summary

Sr. No.	Name of Student	Event Name	Name of Organizer	Prize/ Achievement	State/ National/ International
1	Sandip Donde	Roobaru-Poster Challenge	MVP,MBA Dept.	Runner up	State

2	Rahul Ambekar	Roobaru-Solo Singing	MVP,MBA Dept.	Runner up	State
3	Rahul Ambekar	Roobaru-Music Masti	MVP,MBA Dept.	First Prize	State
4	Shrirang Kulkarni	TQuest (SPARK-13)	MET,IOE, Nasik	First Prize	National

24. List of eminent academicians and scientists / visitors to the department :

Sr. No.	Name of Visitor	Academicians /Scientists / Visitors
1	Mr. Swapnil Kulkarni	Project Manager, Kanaka Softwares, Pune.

25. Seminars/ Conferences/Workshops organized & the source of funding:

National-

Sr. No.	Name of Seminars/ Conferences/Workshops	Source of Funding
1	Mozilla Workshop	Self financed
2	Google Apps for Education	Self financed
3	Advanced Java	Institute
4	Software Testing	Self financed
5	Virtual reality, Zabuza LAB	Self financed

26. Student profile programme/course wise

Year	Admission in First Year	Enrolled		Pass Percentage	
		*M	*F		
2016-17	Nil	NA	NA	NA	
2015-16	17	05	12	64.7%	
2014-15	F.Y	Nil	NA	NA	
	D.S.Y	56	17	38	46.4%
2013-14	F.Y	15	08	07	50%
	D.S.Y	16	08	13	54.8%

*M = Male *F = Female

27. Diversity of Students

Year	Percentage of students from same state	Percentage of Students from other state	Percentage of Students from abroad
2016-17	NA	NA	NA
2015-16	100%	NA	NA
2014-15	NA	NA	NA
2013-14	100%	NA	NA

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? :Nil

29. Student progression

Student progression		Against % enrolled	
PG to Ph.D.		Nil	
Ph.D. to Post-Doctoral		Nil	
Employed	Campus selection	Nil	2015-16
		1.31%	2014-15
		Nil	2013-14
	Other than campus Recruitment	12.98%	2015-16
		19.73%	2014-15
		5.66%	2013-14
Entrepreneurship/Self-employment		4.09%	

30. Details of Infrastructural facilities(Department Library)

- Library: 01
- No. of Volumes Available- 270
- No. of Titles Available -124
- Internet facilities for Staff & Student:Avilable
- Class rooms with ICT facility: 01
- Laboratories :- 01

31. Number of students receiving financial assistance from college, university, government or other agencies, scholarships, earn & learn

Academic Year	State/ Central Government
2016-17	--
2015-16	58
2014-15	77
2013-14	88

32. Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts

2016-17:

Sr. No.	Name of expert	Name of event	Lecture/Workshop/ Seminar
1	Mr. Swapnil Kulkarni	HQL & Spring MVC	Workshop
2	Mr. Rajiv Shirsalkar	Software Testing	Seminar
3	Mr. Chaitanya Dhomse	UI Designing	Seminar

2015-16

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Mr. Prakash Ekhande	IOT	Seminar
2	Mr. Manas Gajare	Virtual Reality	Seminar
3	Mr. Rakesh Pawar	Web Development in PHP	Workshop

2014-15

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Mr. Sudhir Gorade	.net	Lecture
2	Mr. Yogita Shewale	Career Opportunities in Web Development	Seminar

2013-14

Sr. No.	Name of expert	Name of event	Lecture/Workshop/Seminar
1	Mr. Shashank Todwal	Google Apps	Seminar
2	Mr. Yoman Patil	Mozilla	Workshop

33. Teaching methods adopted to improve student learning

- a. Classroom with Modern Teaching aids like LCD Projectors.
- b. For easy understanding of the subject with the help of Power point presentation.
- c. Guest Lectures, workshops, Seminars delivered by Specialized Faculties.
- d. High Speed Internet, Models etc.
- e. Industrial visits, Expert lectures, Field Visit, Mini-projects, Projects, and Assignments.
- f. Various Technical CD's & reference books are available in the departmental library.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- a. Clean Godavari Project.
- b. MVP Marathon.
- c. Blood Donation Camp.
- d. Tree Plantation.

35. SWOC analysis of the department and Future plans**Strength**

- a. Well qualified experienced and dedicated faculty.
- b. Well-maintained state of art equipment's, laboratories and infrastructure.
- c. Student mentoring and teacher's feedback system.
- d. Monthly monitoring of student attendance.
- e. Faculty is young, energetic, hardworking and committed.
- f. Constant encouragement given for faculty members in pursuing research projects and higher education (M.E./M.Tech., Ph.D.)

Weakness

- a. Research, publication and consultancy work needs improvement.
- b. Industry-Institute association is weaker.
- c. Communication skills among rural based students' needs improvement.
- d. Professional skills needs to be further improved among students.

Opportunities

- a. Strengthen the Industry-Institution interaction for better placements of students.
- b. To improve the soft skills of the students to make them ready to face interviews, appear for different competitive exams.




Challenges

- a. To improve the merit ranking of low merit students admitted to the department.
- b. Improving the soft skills and to develop the communication skills of students.
- c. To improve the Industry-Institute interaction for providing opportunities to the students in experience based learning.
- d. Development of the state-of-the-art facility in the department.
- e. Rapid changes in technology and time bound learning and training skills for faculty.

Future Plans

- a. To conduct International Conferences and Workshops.
- b. Involve more faculty members in quality research activities hence publications and patents.
- c. Try to achieve 100% placements.

ANNEXURE –A
DECLARATION

 KBTCOE Affiliated to University of Pune & Approved by AICTE New Delhi	NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S Karmaveer Adv. Baburao Ganpatrao Thakare COLLEGE OF ENGINEERING Udoji Maratha Boarding Campus, Near Pumping Station Road, Gangapur Road, Nashik-422 013, Maharashtra - India Phone : + 91 253-2571439, 2582891, 2314319, Fax : 0253-2317016 email : principal@kbtcoe.org website:www.kbtcoe.org
REF: NDMVPS/KBTCOE/OFFICE/ 1562 /2016-17	DATE: 3/1/2017
Declaration by the Head of the Institution	
<p>I certify that, the data included in this Self Study Report (SSR) are true to the best of my knowledge.</p> <p>This SSR is prepared by the institution after internal discussions and no part thereof has been outsourced.</p> <p>I am aware that, the Peer team will validate the information provided in this SSR during the peer team visit.</p>	
Date : 03/01/2017 Place : Nashik	 Dr. K. S. Holkar Principal Principal M.V.P. Samaj's K.B.G.T. College of Engineering Udoji Maratha Boarding Compound Gangapur Road, Nashik- 422 013
	

AFFILIATION LETTER OF UNIVERSITY

Savitribai Phule Pune University

(Formerly University of Pune)

Telephone Nos. :

020 - 25691233

25601258

25601259

25601257



ACADEMIC SECTION

Ganeshkhind, Pune - 411007, INDIA

Telegraph : 'UNIPUNE'

Fax : 020-25691233

Website : www.unipune.ac.in

E-mail : dvracademic@unipune.ac.in

Ref. No. : CA/3882

Date : 08/12/2016

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Nashik District Maratha Vidya Prasarak Samaja's Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Udoji Maratha Boarding Campus, Near Pumping Station Road, Gangapur Road, Nashik-422 013 is affiliated to the Savitribai Phule Pune University, since 1999-2000 (PU/NS/ENGG/58/1999) and the following courses are taught in the said college as per approval.

<u>Courses</u> <u>Under Graduate</u>	<u>Duration of the</u> <u>Course</u>	<u>Affiliation</u> <u>(Permanent /</u> <u>Temporary)</u>	<u>Validity</u> <u>Period</u>
Information Technology	04 Years	Temporary	Upto 2016-17
Instrumentation and Control	04 Years	Temporary	Upto 2016-17
Electronics & Telecommunication Engineering	04 Years	Temporary	Upto 2016-17
Computer Engineering	04 Years	Temporary	Upto 2016-17
Mechanical Engineering	04 Years	Temporary	Upto 2016-17
Civil Engineering	04 Years	Temporary	Upto 2016-17

1/2

N.D.M.V.P. Samaj's,
KBT COLLEGE OF ENGINEERING
INWARD NO 932/16-17
DATE 09/12/2016

Courses . <u>Post Graduate</u>	Duration of the Course	Affiliation (Permanent / Temporary)	Validity Period
Mechanical Engineering (Design)	02 Years	Temporary	Upto 2016-17
Civil Engineering (Construction Management)	02 Years	Temporary	Upto 2016-17
M.B.A.	02 Years	Temporary	Upto 2016-17
M.C.A.	03 Years	Temporary	Upto 2016-17

The said certificate is issued as per the request application received from the Principal of the college Ref. No. NDMVP/KBTCOE/OFFICE/1318/2016-17, dated 30th Nov, 2016 so as to submit it to the National Assessment and Accreditation Council (NAAC), Banglore.

Dr. V. B. Gaikwad
Director, B.C.U.D.



Principal
M.V.P. Samaj's K.B.G.T. College of Engineering
Udoji Maratha Boarding Compound
Gangapur Road, Nashik- 422 013

AICTE APPROVAL



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Western/1-2809346761/2016/EOA

Date: 25-Apr-2016

To,

The Secretary,
Tech. & Higher Education Deptt.
Govt. of Maharashtra, Mantralaya,
Annexe Building, Mumbai-400032

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Western	Application Id	1-2809346761
Name of the Institute	NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S KARMAVEER BABURAO GANPATRAO THAKARE COLLEGE OF ENGINEERING, NASHIK	Permanent Id	1-3565901
Name of the Society/Trust	MARATHA VIDYA PRASARAK SAMAJ	Institute Address	UDOJI MARATHA BOARDING CAMPUS, NEAR PUMPING STATION, GANGAPUR ROAD, NASHIK-422013, MAHARASHTRA, NASHIK, NASHIK, Maharashtra, 422013
Institute Type	Unaided - Private	Society/Trust Address	MARATHA VIDYA PRASARAK SAMAJ CENTRAL OFFICE, SHIVAJI NAGAR, GANGAPUR ROAD, NASHIK, NASHIK, NASHIK, Maharashtra, 422002

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2809346761			Course	Full/Part Time	Affiliating Body	Intake 2016-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaboration/Twinning Program Approval status
Program	Shift	Level								
	1st	POS	CONSTRUCTIO	FULL	University of	24	24	NA	NA	NA

Application Number: 1-2809346761

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Letter Printed On:26 April 2016

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All India Council for Technical Education
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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

ENGINEERING AND TECHNOLOGY	Shift	T G R A D U A T E	N M A N A G E M E N T	TIME	Pune, Pune					
ENGINEERING AND TECHNOLOGY	1st Shift	POS T G R A D U A T E	MECHANICAL ENGINEERING DESIGN	FULL TIME	University of Pune, Pune	24	24	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	CIVIL ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	COMPUTER ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	ELECTRONICS AND TELECOMMUNI CATIONS ENGINEERING	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	INFORMATION TECHNOLOGY	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	INSTRUMENTA TION AND CONTROL ENGINEERING	FULL TIME	University of Pune, Pune	40	40	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UND ER G R A D U A T E	MECHANICAL ENGINEERING	FULL TIME	University of Pune, Pune	120	120	NA	NA	NA
MANAGEMENT	1st Shift	POS T G R A D U A T E	MASTERS IN BUSINESS ADMINISTRATI ON	FULL TIME	University of Pune, Pune	60	60	NA	NA	NA

The above mentioned approval is subject to the condition that NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S KARMAVEER BABURAO GANPATRAO THAKARE COLLEGE OF ENGINEERING, NASHIK shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

Application Number: 1-2909346761

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Course(s) Applied for Closure by the Institute for the AY 2016-17:

Application Id: 1-2809346761			Name of the Course	Full/Part Time	Affiliating Body	Course Closure Status
Program	Shift	Level				
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS : (Last Approved Intake 60)	FULL TIME	University of Pune, Pune	Pending*

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:

- The Regional Officer,**
All India Council for Technical Education
Industrial Assurance Building
2nd Floor, Nariman Road
Mumbai - 400 020, Maharashtra
- The Director Of Technical Education,**
Maharashtra
- The Registrar,**
University of Pune, Pune
- The Principal / Director,**
NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S KARMAVEER BABURAO GANPATRAO THAKARE
COLLEGE OF ENGINEERING, NASHIK
UDOJI MARATHA BOARDING CAMPUS, NEAR PUMPING STATION, GANGAPUR ROAD, NASHIK-422013,
MAHARASHTRA,
NASHIK, NASHIK,
Maharashtra, 422013
- The Secretary / Chairman,**
MARATHA VIDYA PRASARAK SAMAJ
MARATHA VIDYA PRASARAK SAMAJ CENTRAL OFFICE, SHIVAJI NAGAR, GANGAPUR ROAD, NASHIK,
NASHIK, NASHIK,
Maharashtra, 422002

Application Number: 1-2809346761

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PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

6. Guard File(AICTE)



[Signature]
Principal
M.V.P. Samaj's K.B.G.T. College of Engineering
Udoji Maratha Boarding Compound
Gangapur Road, Nashik- 422 013

Application Number: 1-2809346761
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CERTIFICATE OF COMPLIANCE

 <p>KBTCOE</p>	<p>NASHIK DISTRICT MARATHA VIDYA PRASARAK SAMAJ'S Karmaveer Adv. Baburao Ganpatrao Thakare COLLEGE OF ENGINEERING</p>
<p>Affiliated to University of Pune & Approved by AICTE New Delhi</p>	<p>Udoji Maratha Boarding Campus, Near Pumping Station Road, Gangapur Road, Nashik-422 013, Maharashtra - India Phone : + 91 253-2571439, 2582891, 2314319, Fax : 0253-2317016 email : principal@kbtcoe.org website:www.kbtcoe.org</p>
<p>REF: NDMVPS/KBTCOE/OFFICE/ 1377 /2016-17</p>	<p>DATE: 05/01/2017</p>
<p>Certificate of Compliance</p>	
<p>This is to certify that NDMVPS Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Gangapur road, Nashik-422013 fulfils all norms</p>	
<ol style="list-style-type: none">1. Stipulated by the affiliating University and/ or2. Regulatory Council/ Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and3. The affiliation and recognition [if applicable] is valid as on date.	
<p>In case the affiliation/ recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.</p>	
<p>It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.</p>	
<p>In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.</p>	
<p>Date: 05/01/2017</p>	<p> Dr. K. S. Holkar</p>
<p>Place: Nashik</p>	
	<p>Principal <i>Principal</i> M.V.P. Samaj's K.B.G.T. College of Engineering Udoji Maratha Boarding Compound Gangapur Road, Nashik- 422 013</p>