Maratha Vidya Prasarak Samaj's
Karmaveer Adv. Baburao Ganpatrao Thakare

College of Engineering

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

MANDATORY DISCLOSURE

ACADEMIC YEAR 2024-25

Mandatory Disclosure 2024-25

Sr. No.	Title	Details
1	Name of the Institution	Maratha Vidya Prasarak Samaj's, Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik
	Address of the organization	Udoji Maratha Boarding Campus, Near Pumping Station, Gangapur Road, Nashik
	Latitude and Longitude	20.0146° N, 73.7637° E
	City & Pin Code	Nashik – 422013
	State / UT	Maharashtra
	Phone number with STD	0253-2571439 / 2582891
	FAX number with STD code	0235-2317016
	Office hours at the Institution.	9.30 a.m. to 5.30 p.m.
	Academic hours at the Institution.	9.30 a.m. to 5.30 p.m.
	Email	principal@kbtcoe.org
	Website	www.kbtcoe.org
	Nearest Railway station (Dist in km)	16 km
	Nearest Airport (dist in km)	Ozar – 23
	Type of Institution	Private-Self Financed
	Category (1) of the Institution	Non Minority
	Category (2) of the Institution	Co-Ed
	Type of the organization	Society
2	Name and Address of the Trust / Society/ Trustees	Maratha Vidya Prasarak Samaj, Nashik Central Office , Gangapur Road,Nashik
3	Name and Address of the Vice Chancellor/ Principal/Director	Dr. Satish R. Devane Udoji Maratha Boarding Campus, Near Pumping Station, Gangapur Road, Nashik Telephone No.- 0253-2571439 / 2582891 Mob.No.- 9833939858 Email – principal@kbtcoe.org
	Designation	Principal
4	Name of the affiliating University	Savitribai Phule Pune University
	Address	Ganeshkhind Road, Pune
	Website of the university	www.unipune.ac.in
	Latest affiliation period	2022 – 2023

5. Governance

5.1 Members of the Board and their brief background

| Sr. No.	Name	Designation
1	Adv. Nitin Baburao Thakare	President
2	Shri. Chandrashekhar Bhaguji Aher	Member
3	Shri. Sunil Bansilal Khune	Member
4	Shri. Vivek Narendra Bhamare	Member
5	Shri. Joy Aloor	Member
6	Shri. Narayan Dhondu Pawar	Representative of industrialist
7	Shri. Sandip Haribhau Jadhav	Representative of industrialist
8	A.I.C.T.E. Nominee	Nominee A.I.C.T.E., Delhi Regional office (Ex-office)
9	University Nominee	University of Pune
10	Dr. Dnyandev Pundalik Nathe	D.T.E. Ex-office, Mumbai
11	State Govt. Nominee	Member industrial / Technologist Nominated by state Govt.
12	Dr. Satish Ramrao Devane	Principal, K.B.T. College of Engineering, Nashik.
13	Dr. Sachin Raghunath Pachorkar	Teaching Representative K.B.T. College of Engineering, Nashik.

5.2 Members of Academic Advisory Body

Academic Monitoring Committee (AMC)

Sr. No.	Post	Name	Designation
1.	Chairperson	Dr. S. R. Devane	Principal
2	Secretary	Dr. U. V. Patil	Dean Academic
3.	Member	Dr. A.B. Kakade	Head, Mechanical Engineering Dept.
4.	Member	Dr. B. S. Tarle	Head, Computer Engineering Dept.
5.	Member	Dr. B. J. Parvat	Head, Instrumentation & Control Engineering Dept.
6.	Member	Dr. V. M. Birari	Head, Electronics & Telecommunication Engg. Dept.
7.	Member	Dr. S.A.Talekar	Head, Information Technology Dept.
8.	Member	Dr. P. D. Nemade	Head, Civil Engineering Dept.
9.	Member	Dr. D. T. Khairnar	Head, MBA Dept.
10.	Member	Dr. S. R. Pachorkar	NBA Coordinator
11.	Member	Dr. S.J. Kokate	HOD Engg. Science
12.	Member	Dr. S.P. Awate	IQAC Coordinator

5.3 Frequently of the Board Meeting and Academic Advisory Body

Twice in a year

5.4 Organizational chart and processes
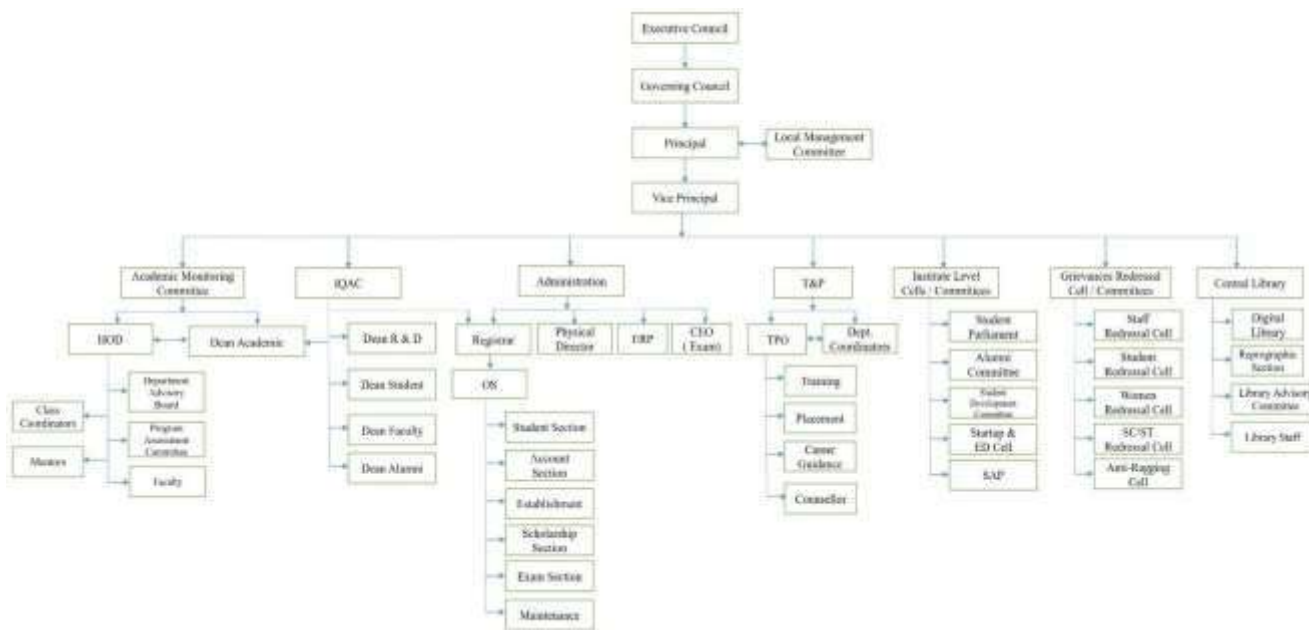
5.5 Nature and Extent of involvement of Faculty and students in academic affairs/improvements College

Development Committee

College Development Committee 2022 – 2027

Sr.No	Member Name	Nomination
1	Adv. Shri. Nitin Baburao Thakare	Chairman / Secretary of Management
2	Engg. Shri. Balkrushna Laxmanrao Magar	Management Representative
3	Dr. Sudharshan Jagdish Kokate	Department Head
4	Dr. Sachin Raghunath Pachorkar	College Teacher Representative
5	Shri. Nitin Bhikanrao Desale	College Teacher Representative

6	Smt. Rupali Raghunath Tajanpure	College Women Teachers Representative
7	Smt. Shrushti Jaykumar Shinde	Non-teaching staff, elected from among the regular non-teaching staff
8	Dr. Sampatrao Sahadrao Kale	Academic Areas nominated by local members, management
9	Shri. Sandip Haribhau Jadhav	Industry sector nominated by local members, management
10	Shri. Sunil Shivaji Khandbahale	Research area nominated by local member, management
11	Dr. Dnyaneshwar Daulatrao Lokhande	Social service sector nominated by local members, management
12	Dr. Swapnil Prakash Awate	Coordinator- Internal Quality Assurance Committee
13	Kum. Saurabh Kishor Jadhav	President College Student Council
14	Kum. Pranav Chhagan Kadam	Secretary College Student Council
15	Dr. Satish Ramrao Devane	College Principal

5.6 Mechanism/ Norms and Procedure for democratic/ good Governance:

The institute has provided ERP portal for effective planning and maintaining record of teaching activities.

Each faculty maintains the record of scheduled and conducted lectures/ practical's, topics covered in each lecture/lab session and attendance of students. The same data is also entered through ERP system which can be accessed by head of departments, Principal and Management authorities for regular monitoring. Student performance in laboratory is maintained in continuous assessment record.

Every department appoints a class coordinator for each class. Class coordinators ensure that the sessions are conducted as per the schedule. Alternate arrangement is made in case of absence of faculty. The monthly attendance record is maintained by class coordinator and communicated to head of department. The academic activities and progress of students

are reviewed by head of the department with the help of class coordinators and corrective measures are discussed with the faculty in department meetings. Curriculum gaps are identified and bridged by means of expert talks, seminars, workshops, training courses, industrial visits and inclusion of topics beyond syllabus. Timely feedback from students, faculty, alumni, employers, parents, external examiners/project guides are taken into account to ensure achievement of learning outcomes.

Regularly, meeting with all head of departments is called by the Principal to review academic activities, to address the issues pertaining to teaching learning process and planning of forth coming activities to ensure smooth conduction. For regular monitoring of academic activities, a monthly report is prepared at department level and submitted to Principal and management.

The management also conducts meetings with Principal, head of departments and concerned faculty membersas and when required for planning, execution and funding for various activities.

Key performance indicators (KPI) are identified, monitored and reviewed in the meeting with Advisory Committee for the KBTCOE, which is scheduled every three months.

5.7 Student Feedback on Institutional Governance/ Faculty performance

The institute has excellent infrastructure with well-developed and equipped laboratories, Wi Fi campus. Other facilities provided to the students include gymnasium and sports, hostels for girls, mess and canteen etc. Regular feedback is collected from the stake holders to improve the academic and infrastructural standards of the institute.

The institute monitors and evaluates the quality of teaching learning through:
- Strict adherence to course conduction and completion
- In every semester, feedback is collected from the students and analyzed. Outcome of this process is communicated to respective staff for their improvement as well as for encouragement.
- Lecture observation is made by head of the department and Principal and necessary feedback and suggestions are conveyed to respective faculty for further improvement.

Monitoring through IQAC

Student feedback for the respective course is conducted twice in each semester online through ERP System. https://erp.kbtcoe.org /

It is based on the parameters like punctuality, preparation for the lecture, communication skills, interaction during theory and practical etc.

In addition, a suggestion box is kept near the office. Appropriate measures are taken based on the suggestions/feedback received. This will serve as one of the yardstick used for faculty appraisal.

5.8 Grievance Redressal mechanism for Faculty, staff and students

A separate Grievance redressal cell is formed to look into the matter related to grievances. Also, Teaching and Non- Teaching Staff members can approach the respective heads of the department, Registrar, and Principal for redressal of any grievance. The College Development Committee is also formed as per the Savitribai Phule Pune University regulations. Students can approach their respective class coordinators, Head of the department,Registrar, & Principal for their grievances. Suggestion boxes are also provided. Parents meetings are conducted every year and the inputs are used for continual improvement.

5.9 Establishment of Anti Ragging Committee

Sr. No.	Name	Designation	Position	Contact No.
1	Dr. Satish R. Devane	Principal	Chairman	9833939858
2	Mrs. Shrushti J. Shinde	Registrar	Member Administration	7378497999
3	Ms. Pallavi Jagtap	Tahasildar	Member Civil Administration	7588176215
4	Mr. Riyaz A. Shaikh	Senior PI, Gangapur Police Station, Nashik	Member Police Administration	9821136277
5	Mr. Arun Malani	Journalist Dainik Sakal, Nashik	Member Local Media	9175185333
6	Mrs. Swati R. Bhamare	Corporator, NMC, Nashik	Member Non Govt. Organisation	9850045876
7	Mr. Sharad Sonawane	Parent	Member	9423929185
8	Mr. Balasaheb J. Pawar	Dean_Student Affairs	Member	7588012633
9	Ms. Ashwini K. Patil	Asst. Prof. & Chief Warden (Girl's Hostel)	Member	9403709298
10	Ms. Gayatri M. Shirsat	Asst. Prof.	Member	9011289736
11	Ms. Chhaya B. Gadekar	Rector, Girls Hostel	Member	9552291984
12	Mr. Sandip R. Patil	Technical Assistant	Member	9850974189

14	Ms. Anuja Sonar	Student_S.Y.(M.E. Mech.)	Member	7743972055
15	Ms. Kanchan U. Bhor	Student_F.Y.(M. B. A.)	Member	8208103254
16	Mr. Himanshu Malunjkar	Student_S.Y.(M.E. Civil)	Member	9325789694
17	Ms. Mrunal S. Patil	Student_B.E.(Instru.)	Member	9325481303
18	Mr. Prasanna J. Kedare	Student_B.E.(IT)	Member	9923492034
19	Ms. Srushti K. Kankriya	Student_T.E.(Comp.)	Member	8010684261
20	Ms. Renuka R. Bhagwat	Student_S.E.(EnTC)	Member	9309135955

5.10 Establishment of Online Grievance Redressal Mechanism

Grievance Redressal Portal is created for online grievances

https://kbtcoe.org/grievance-form

5.11 Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University

Women's Redressal Cell Committee (A.Y. 2024-25)

Sr. No	Name	Designation & Department	Post in Committee	Contact No.	Email Address
1	Dr. Vaishali Tidake	Associate Professor, Computer Engineering	President	9422751559	tidake.vaishali@kbtcoe.org
2	Dr. Madhura Aher	Assistant Professor, Civil Engineering	Faculty Member	8888661001	aher.madhura@kbtcoe.org
3	Ms. Tejaswini Deshmukh	Assistant Professor, Electronics and Telecommunication	Faculty Member	9403498919	deshmukh.tejaswini@kbtcoe.org

4	Dr. Rupali Mahale	Assistant Professor, MBA	Faculty Member	9860236027	mahale.rupali@kbtcoe.org
5	Ms. Vaishali Date	Technical Assistant, Mechanical Engineering	Non-teaching Member	9890878835	date.vaishali@kbtcoe.org
6	Ms. Vrushali Kadlag	Technical Assistant, Information Technology	Non-teaching Member	8888954453	kadlag.vrushali@kbtcoe.org
7	Ms. Jayshree Uphade	Technical Assistant, Instrumentation and Control Engineering	Non-teaching Member	7745818111	uphade.jayshree@kbtcoe.org
8	Mrs. Vanita Deshmukh	Secretary	NGO Representative	7588016072	vanitavdeshmukh26@gmail.com

Email: womensredressalcell@kbtcoe.org

5.12 Establishment of Internal Complaint Committee (ICC)

Internal Complaints Committee (ICC) (A.Y. 2024-25)

Sr. No.	Name	Designation & Department	Post in Committee	Contact No.	Email Address
1	Dr. Vaishali Tidake	Associate Professor, Computer Engineering	President	9422751559	tidake.vaishali@kbtcoe.org
2	Dr. Madhura Aher	Assistant Professor, Civil Engineering	Faculty Member	8888661001	aher.madhura@kbtcoe.org
3	Prof. Nitin Desale	Associate Professor, Engineering Science	Faculty Member	9881026946	desale.nitin@kbtcoe.org
4	Mr. Nishant Magar	Technical Assistant, Mechanical Engineering	Non-teaching Member	9890646963	magar.nishant@kbtcoe.org
5	Ms. Vrushali Kadlag	Technical Assistant, Information Technology	Non-teaching Member	8888954453	kadlag.vrushali@kbtcoe.org
6	Ms. Kanchan Bhor	Student, MBA	Postgraduate Student Member	8208103254	kanchan07.12.2020@gmail.com
7	Ms. Kalyani Patil	Student, Electronics & Telecommunication	Undergraduate Student Member	8380893176	kbtug21246@kbtcoe.org

| 8 | Mrs. Vanita Deshmukh | Secretary | NGO Representative | 7588016072 | vanitavdeshmukh26@gmail.com |

Email: ICC@kbtcoe.org

6. Programmes

6.1 Name of Programmes approved by AICTE

Sr. No.	Programme Level	Name of the Programme / Course
1	Under-Graduate	Mechanical Engineering
2		Computer Engineering
3		Instrumentation and Control Engineering
4		Electronics & Telecom. Engineering
5		Civil Engineering
6		Information Technology
7		Artificial Intelligence & Data Science
8		Electrical Engineering
9	Post –Graduate	M.B.A.
10		Master of Civil Engineering
11		Master of Mechanical Engineering
12		Master of Computer Engineering

6.2 Name of Programmes Accredited by NBA: -

6.3 Status of Accreditation of the Courses

Sr. No.	Programme Level	Name of the Programme / Course	No. of Courses for which applied for Accreditation	Status of Accreditation
1	Under-Graduate	Mechanical Engineering	Applied & Accredited	Accredited
2		Computer Engineering	Applied & Accredited	Accredited
3		Instrumentation and Control Engineering	Applied & Accredited	Accredited
4		Electronics & Telecom. Engineering	Not Applied	Nil
5		Civil Engineering	Applied & Accredited	Accredited
6		Information Technology	Applied & Accredited	Accredited

7		AIDS	NA	NA
8		Electrical Engineering	NA	NA
9	Post – Graduate	M.B.A.	NIL	NIL
10		Master of Civil Engineering	NIL	NIL
11		Master of Mechanical Engineering	NIL	NIL
12		Master of Computer Engineering	NA	NA

6.4 Programme details:

6.4 Programme details:

6.4.1 Placement Facilities:

Sr. No	Name of the Programme / Course	Placement Facilities	Campus Placement in last 3 years		
			2024-25	2023-24	2022-23
1	Mechanical Engineering		Count: 44	Count: 54	Count: 59
			Maximum salary: 4,00,000	Maximum salary: 4,65,323	Maximum salary: 800000
			Minimum salary: 1,90,000	Minimum salary: 3,00,000	Minimum salary: 1,28,000
			Average salary 3,28,000	Average salary 3,39,548	Average salary 2,63,979
2	Computer Engineering		Count: 33*	Count: 47	Count: 42
			Maximum salary: 8.10 Lacs*	Maximum salary: 9 Lacs	Maximum salary: 6.41 Lacs
			Minimum salary: 3.36 Lacs*	Minimum salary: 3.36 Lacs	Minimum salary: 1 Lac
			Average salary 4.51 Lacs*	Average salary 4.35 Lacs	Average salary 3.22 Lacs
3	Instrumentation and Control Engineering		Count: 25	Count: 28	Count: 13
			Maximum salary: 8.16LPA	Maximum salary: 5.44LPA	Maximum salary: 6.09LPA
			Minimum salary: 2.12LPA	Minimum salary: 1.80LPA	Minimum salary: 1.20LPA
			Average salary: 3.49LPA	Average salary: 3.23LPA	Average salary: 2.65LPA

4	Electronics & Telecom. Engineering		Count : 23	Count: 35	Count: 34
			Maximum salary:6.6 LPA	Maximum salary:4.71LP A	Maximum salary:
			Minimum salary:3.36 LPA	Minimum salary:3.36LP A	Minimum salary:
			Average salary 3.36 LPA	Average salary:4.03 LPA	Average salary
5	Civil Engineering		Count: 13	Count: 07	Count: 40
			Maximum salary: 840000	Maximum salary: 720000	Maximum salary: 336877.00
			Minimum salary: 200000	Minimum salary: 156000	Minimum salary: 120000.00
			Average salary: 692307.69	Average salary: 357000	Average salary: 207175.00
6	Information Technology		Count:	Count:	Count:
			Maximum salary:	Maximum salary:	Maximum salary:
			Minimum salary:	Minimum salary:	Minimum salary:
			Average salary:	Average salary:	Average salary:
7	M.B.A.		Count: 35*	Count: 27	Count: 14
			Maximum salary: 8.4	Maximum salary: 8.4	Maximum salary: 4.45
			Minimum salary: 1.8	Minimum salary: 1.4	Minimum salary: 1.6

			Averagesalary: 5.17	Averagesalary: 3.29	Averagesalary: 2.27
8	Master of Civil Engineering		Count:	Count:	Count:
			Maximum salary:	Maximum salary:	Maximum salary:
			Minimum salary:	Minimum salary:	Minimum salary:
			Average salary:	Average salary:	Average salary:
9	Master of Mechanical Engineering		Count:	Count:	Count:
			Maximum salary:	Maximum salary:	Maximum salary:
			Minimum salary:	Minimum salary:	Minimum salary:
			Average salary:	Average salary:	Average salary:
10	Master of Computer Engineering		Count:	Count:	Count:
			Maximum salary:	Maximum salary:	Maximum salary:
			Minimum salary:	Minimum salary:	Minimum salary:
			Average salary:	Average salary:	Average salary:

6.5 Name of Duration of Programme(s) having Twinning and Collaboration with Foreign University(s) and being run in the same Campus along with status of their AICTE approval. :
NA

7. Faculty

7.1 Branch wise Faculty List:

7.1.1 Permanent & Adhoc Faculty List:

Sr. No.	Name	Appointment Type	Course	Designation
1.	Dr. Devane Satish Ramrao	Regular	Computer Engineering	Principal
2.	Dr. Kakade Amol Bhikaji	Regular	Mechanical Engineering	Professor
3.	Dr. Shewale Vinod Chimanrao	Regular	Mechanical Engineering	Professor
4.	Dr. Mogal Shyam Prabhakar	Regular	Mechanical Engineering	Professor
5.	Dr. Sonawane Sandeepkumar B.	Regular	Mechanical Engineering	Professor
6.	Mr. Chaudhari Yuvraj Bhadrasen	Regular	Mechanical Engineering	Associate Professor
7.	Dr. Kapse Arvind Ashok	Regular	Mechanical Engineering	Associate Professor
8.	Mr. Kharate Nilesh Kisanrao	Regular	Mechanical Engineering	Associate Professor
9.	Dr. Awate Swapnil Prakash	Regular	Mechanical Engineering	Associate Professor
10.	Dr. Uphade Dinesh Balasaheb	Regular	Mechanical Engineering	Associate Professor
11.	Dr. Pawar Suyash Yashwantrao	Regular	Mechanical Engineering	Associate Professor
12.	Dr. Shete Pankaj Chintaman	Regular	Mechanical Engineering	Workshop Superintendent
13.	Mr. Patil Manoj Subhash	Regular	Mechanical Engineering	Assistant Professor
14.	Mr. Kulkarni Darshan Diliprao	Regular	Mechanical Engineering	Assistant Professor

15.	Mr. Jagtap Rakesh Bhaskarrao	Regular	Mechanical Engineering	Assistant Professor
16.	Mr. Lokare Nitin Vinayakrao	Regular	Mechanical Engineering	Assistant Professor
17.	Mr. Gaikwad Nilesh Sitaram	Regular	Mechanical Engineering	Assistant Professor
18.	Mr. Shinde Vishal Vasant	Regular	Mechanical Engineering	Assistant Professor
19.	Dr. Suryawanshi Satish Jamrao	Regular	Mechanical Engineering	Assistant Professor
20.	Ms. Shirsat Gayatri Madhukar	Regular	Mechanical Engineering	Assistant Professor
21.	Mr. Palhe Sandeep Namdeo	Regular	Mechanical Engineering	Assistant Professor
22.	Mr. Kushare Dyaneshwar Vijayrao	Regular	Mechanical Engineering	Assistant Professor
23.	Dr. Tile Prashant Suresh	Regular	Mechanical Engineering	Assistant Professor
24.	Mrs. Ahire Vaishali Vishal	Regular	Mechanical Engineering	Assistant Professor
25.	Mr. Thakare Rahul Sunil	Regular	Mechanical Engineering	Assistant Professor
26.	Mr. Ghogare Ravindra Mahadeo	Regular	Mechanical Engineering	Assistant Professor
27.	Ms. Sonawane Poonam Bhaskar	Regular	Mechanical Engineering	Assistant Professor
28.	Mr. Mogal Pratap Prabhakar	Regular	Mechanical Engineering	Assistant Professor
29.	Mr. Gade Pallavi Anil	Regular	Mechanical Engineering	Assistant Professor

30.	Dr. More Pradnya Prakash	Regular	Mechanical Engineering	Assistant Professor
31.	Dr. Tarle Balasaheb Sukhdeo	Regular	Computer Engineering	Associate Professor
32.	Dr. Tidake Vaishali Santosh	Regular	Computer Engineering	Associate Professor
33.	Dr. Pawar Vaishali Sanjay	Regular	Computer Engineering	Associate Professor
34.	Mr. Shinde Pushkar Pratap	Regular	Computer Engineering	Assistant Professor
35.	Ms. Shewale Rupali Ramdas	Regular	Computer Engineering	Assistant Professor
36.	Ms. Chandwadkar Radhika Pankaj	Regular	Computer Engineering	Assistant Professor
37.	Ms. Shinde Priti Vishwanath	Regular	Computer Engineering	Assistant Professor
38.	Mr. Datir Sunil Tukaram	Regular	Computer Engineering	Assistant Professor
39.	Ms. Malode Madhuri Vishnu	Regular	Computer Engineering	Assistant Professor
40.	Ms. Pawar Sunita Valmik	Regular	Computer Engineering	Assistant Professor
41.	Ms. Thombare Manisha Babanrao	Regular	Computer Engineering	Assistant Professor
42.	Ms. Boraste Priyanka Prakash	Regular	Computer Engineering	Assistant Professor
43.	Mr. Gholap Bhushan Shantanram	Regular	Computer Engineering	Assistant Professor
44.	Ms. Pingale Pallavi Prabhakar	Regular	Computer Engineering	Assistant Professor

45.	Ms. Kubal Pradnya Suhas	Regular	Computer Engineering	Assistant Professor
46.	Ms. Uphade Archana Bhimrao	Regular	Computer Engineering	Assistant Professor
47.	Mr. Derle Rahul Shankar	Regular	Computer Engineering	Assistant Professor
48.	Ms. Rajole Snehal Sitaram	Regular	Computer Engineering	Assistant Professor
49.	Ms. More Reena Sharadrao	Regular	Computer Engineering	Assistant Professor
50.	Ms. Bhusal Shilpa Rushikesh	Regular	Computer Engineering	Assistant Professor
51.	Mr. Shiralkar Ajit Pradeep	Regular	Computer Engineering	Assistant Professor
52.	Ms. Nikam Dipti Pankaj	Regular	AIDS	Assistant Professor
53.	Mr. Koli Prashant Bhagirath	Regular	AIDS	Assistant Professor
54.	Mr. Aher Ravindra Popatrao	Regular	AIDS	Assistant Professor
55.	Dr. Parvat Bhagsen Jagannath	Regular	Instrumentation & Control Engg.	Professor
56.	Dr. Kulkarni Abhijeet Ravindra	Regular	Instrumentation & Control Engg.	Associate Professor
57.	Dr. Patil Ashwini Khemchand	Regular	Instrumentation & Control Engg.	Associate Professor
58.	Dr. Jadhav Seema Haribhau	Regular	Instrumentation & Control Engg.	Associate Professor
59.	Dr. Patil Yogesh Punjaram	Regular	Instrumentation & Control Engg.	Assistant Professor

60.	Mr. Pandit Santosh Raosaheb	Regular	Instrumentation & Control Engg.	Assistant Professor
61.	Mr. Nikam Satish Dhanraj	Regular	Instrumentation & Control Engg.	Assistant Professor
62.	Mr. AhirraoVikas Arun	Regular	Instrumentation & Control Engg.	Assistant Professor
63.	Mr. Lukare Santosh Balu	Regular	Instrumentation & Control Engg.	Assistant Professor
64.	Dr. Patil Ulhas Vinayak	Regular	E&TC Engineering	Associate Professor
65.	Dr. Shinde Bhushankuamr Narayan	Regular	E&TC Engineering	Associate Professor
66.	Mr. Pawar Balasaheb Jagannath	Regular	E&TC Engineering	Assistant Professor
67.	Mrs. Dhumane Shital Atmaram	Regular	E&TC Engineering	Assistant Professor
68.	Mr. Chaudhari Atul Rupchand	Regular	E&TC Engineering	Assistant Professor
69.	Dr. Jagtap Sarika Madhukar	Regular	E&TC Engineering	Assistant Professor
70.	Mr. Rajole Bhausaheb Namdeo	Regular	E&TC Engineering	Assistant Professor
71.	Mrs. Patil Dipali Vishnu	Regular	E&TC Engineering	Assistant Professor
72.	Mrs. Deshmukh Tejaswini Sachin	Regular	E&TC Engineering	Assistant Professor
73.	Mr. Sonawane Viraj Ragunath	Regular	E&TC Engineering	Assistant Professor
74.	Ms. Dharrao Shital Manikrao	Regular	E&TC Engineering	Assistant Professor

75.	Mr. Gade Nakul Ashok	Regular	E&TC Engineering	Assistant Professor
76.	Dr. Nemade Pravin Dinkar	Regular	Civil Engineering	Professor
77.	Dr. Kadam Madhav Punjaji	Regular	Civil Engineering	Professor
78.	Dr. Kadbhane Sharad Jaganath	Regular	Civil Engineering	Associate Professor
79.	Dr. Shelorkar Ajay Pandurangaji	Regular	Civil Engineering	Associate Professor
80.	Dr. Patil Krishnadeo Tayappa	Regular	Civil Engineering	Assistant Professor
81.	Dr. Aher Madhura Chetan	Regular	Civil Engineering	Assistant Professor
82.	Dr. Waysal Satish Manohar	Regular	Civil Engineering	Assistant Professor
83.	Mr. Aher Pritesh Dattatraya	Regular	Civil Engineering	Assistant Professor
84.	Mr. Nathe Deepak Narayan	Regular	Civil Engineering	Assistant Professor
85.	Ms. Murkute Monika Babaji	Regular	Civil Engineering	Assistant Professor
86.	Ms. Sonwane Kavari Ravindra	Regular	Civil Engineering	Assistant Professor
87.	Mr. Patil Manoj Bhila	Regular	Civil Engineering	Assistant Professor
88.	Mr. Patil Rohan Chandrashekhar	Regular	Civil Engineering	Assistant Professor
89.	Mr. Bhusal Kuber Sahebrao	Regular	Civil Engineering	Assistant Professor

90.	Ms. Jadhav Trupti Narendra	Regular	Civil Engineering	Assistant Professor
91.	Ms. Ugale Anuja Kiran	Regular	Civil Engineering	Assistant Professor
92.	Ms. Thombare Savita Anil	Regular	Civil Engineering	Assistant Professor
93.	Dr. Talekar Sopan Ashok	Regular	IT Engineering	Associate Professor
94.	Dr. Sonawane Vijay Ramnath	Regular	IT Engineering	Associate Professor
95.	Dr. Jadhav Santosh Pandurang	Regular	IT Engineering	Associate Professor
96.	Dr. Surywanshi Jaya Rameshwar	Regular	IT Engineering	Assistant Professor
97.	Dr. Tajanpure Rupali Raghunath	Regular	IT Engineering	Assistant Professor
98.	Ms. Gatne Dipti Ramesh	Regular	IT Engineering	Assistant Professor
99.	Ms. Pawar Tejaswini Sharadchandra	Regular	IT Engineering	Assistant Professor
100.	Mr. Ujgare Nitin Sakharam	Regular	IT Engineering	Assistant Professor
101.	Ms. Ahire Bhavna Atul	Regular	IT Engineering	Assistant Professor
102.	Mr. Birari Dhiraj Abhiman	Regular	IT Engineering	Assistant Professor
103.	Mr. PalveYogesh Hiraman	Regular	IT Engineering	Assistant Professor
104.	Ms. Tidke Dipika Laxman	Regular	IT Engineering	Assistant Professor

105.	Ms. Deore Mrunalee Chhotu	Regular	IT Engineering	Assistant Professor
106.	Ms. Shinde Ankita Pankaj	Regular	IT Engineering	Assistant Professor
107.	Ms. More Rupal Dinesh	Regular	IT Engineering	Assistant Professor
108.	Mr. Pachorkar Pravin Raghunath	Regular	IT Engineering	Assistant Professor
109.	Dr. Khairnar Deepak Trymbak	Regular	MBA	Professor
110.	Dr. Pachorkar Sachin Raghunath	Regular	MBA	Professor
111.	Dr. Mahale Rupali Nivrutti	Regular	MBA	Associate Professor
112.	Dr. Salunke Narendra Jagannath	Regular	MBA	Assistant Professor
113.	Dr. Sontakke Laxmikant Chandu	Regular	MBA	Assistant Professor
114.	Dr. Bachhav Swapnil Vikram	Regular	MBA	Assistant Professor
115.	Dr. Boraste Preeti Tejas	Regular	MBA	Assistant Professor
116.	Mr. Thete Ashish Shekhar	Regular	MBA	Assistant Professor
117.	Ms. Bhamare Wrushali Vasant	Regular	MBA	Assistant Professor
118.	Dr. Kokate Sudarshan Jagdish	Regular	Engineering Science	Associate Professor
119.	Prof. Desale Nitin Bhikanrao	Regular	Engineering Science	Associate Professor

120.	Dr. Bhati Satishkumar Mangilal	Regular	Engineering Science	Associate Professor
121.	Ms. Nerkar Jyoti Jalindranath	Regular	Engineering Science	Assistant Professor
122.	Ms. Pagar Jayshri Vishvas	Regular	Engineering Science	Assistant Professor
123.	Ms. Tamboli Vaishali Ashok	Regular	Engineering Science	Assistant Professor
124.	Ms. Harak Vaishali Pravin	Regular	Engineering Science	Assistant Professor
125.	Ms. Kakad Nayana Ramdas	Regular	Engineering Science	Assistant Professor
126.	Mr. Joshi Prasad Vasant	Regular	Engineering Science	Assistant Professor
127.	Mr. Bhavsar Yogesh Subhash	Regular	Engineering Science	Assistant Professor
128.	Ms. Bahare Gayatri Bandu	Regular	Engineering Science	Assistant Professor
129.	Mr. Birar Dhananjay Punjaram	Regular	Engineering Science	Assistant Professor
130.	Ms. Deore Snehal Harishchandra	Regular	Engineering Science	Assistant Professor
131.	Ms. Chine Ujwala Machhindra	Regular	Engineering Science	Assistant Professor
132.	Ms. Thakare Rohini Baban	Regular	Engineering Science	Assistant Professor
133.	Ms. Kadam Anuja Diliprao	Regular	Engineering Science	Assistant Professor
134.	Ms. Gore Anuja Suresh	Regular	Engineering Science	Assistant Professor

135.	Mrs. Malpure Ankita Abhay	Regular	Engineering Science	Assistant Professor
136.	Ms. Khelukar Prajakta Shivaji	Regular	Engineering Science	Assistant Professor
137.	Dr. Patil Nilima Prashant	Regular	Engineering Science	Assistant Professor
138.	Mr. Chaudhari Om Baban	Regular	Engineering Science	Assistant Professor
139.	Mr.Kushare Sachin Ramdas	Regular	Engineering Science	Assistant Professor
140.	Dr. Wagh Rahul Atmaram	Regular	Engineering Science	Assistant Professor
141.	Mr. Toche Saurabh Raghunath	Regular	Engineering Science	Assistant Professor
142.	Ms. Rajole Meghana Bhausaheb	Regular	Electrical Engineering	Assistant Professor
143.	Ms. Tidke Ashwini Vilas	Regular	Electrical Engineering	Assistant Professor
144.	Ms. Zope Komal Sagar	Regular	Electrical Engineering	Assistant Professor
145.	Mr. Aware Ramkrishan Balkrishna	Regular	Electrical Engineering	Assistant Professor

7.1.3 Permanent Faculty: Student Ratio

Sr.No	Programme Level	Name of the Programme/Course	Permanent Faculty: Student Ratio		
			A.Y. 2024-25	A.Y. 2023-24	A.Y. 2022- 23
1	Under-Graduate	Mechanical Engineering	1:20	1:21.6	1:20
2		Computer Engineering	1:14	1:14.29	1:15.26
3		Instrumentation and Control Engineering	1:13.66	1:15.25	1:17.14
4		Electronics &Telecom. Engineering	1:15.17	1:16.26	1:17.14
5		Civil Engineering	1.15	1:16.24	1:15.12
6		Information Technology	1:16.64	1:16	1:16
7	Post–Graduate	M.B.A.	1: 20	1:20	1:20
8		Master of Civil Engineering			
9		Master of Mechanical Engineering			
10		Master of Computer Engineering			

Number of Faculty employed and left during the last three years:

Sr. No	Number of Faculty employed and left during the last three years						
	Name of the Progrmamme	A.Y.2024-25		A.Y.2023-24		A.Y.2022-23	
		No. of Faculty Employed	No. of Faculty left	No. of Faculty Employed	No. of Faculty left	No. of Faculty Employed	No. of Faculty left
1	Mechanical Engineering	2	0	1	0	0	0
2	Computer Engineering	22	00	15	01	15	00
3	Instrumentation and Control Engineering	00	00	01	00	00	00
4	Electronics &Telecom. Engineering	01	01	00	00	00	00
5	Civil Engineering	00	00	03	02	00	00
6	Information Technology	03	01	01	00	00	03
7	M.B.A.	01	00	02	00	00	00
8	AI & DS	04	00	NA	NA	NA	NA
9	Electrical Engineering	04	00	00	00	00	00

15. Information of Infrastructure and Other Recourses Available

15.1 Number of Class Rooms and Size of each

Sr. No.	Total No. of Classrooms	Avg. Size of Room (M.^{2})
01	27	95.51

15.2 Number of Tutorial Rooms and Size of each

Sr. No.	Total No. of Tutorial Room	Avg. Size of Room (M.^{2})
01	09	38.02

15.3 Number of Laboratories and Size of each

Sr. No.	Total No. of Laboratories	Avg. Size of Room (M.^{2})
01	56	99.79

15.4 Number of Drawing Hall and Size of each

Sr. No.	Total No. of Drawing Hall	Avg. Size of Room (M.^{2})
01	02	183.75

15.5 Number of Computer Centres and Size of each

Sr. No.	Total No. of Computer	Avg. Size of Room (M.^{2})
01	02	166.87

15.6 Central Examination Facility, Number of rooms and Size of each

No. of Class Rooms	Area	Seating Capacity ofRoom
01	27	95.51

15.7 Online Examination Facility (Number of nodes, Internet Bandwidth etc.)

Sr. No.	Total No. of Nodes	Bandwidth
01	150	150mbps

15.8 Barrier free Built Environment for disabled and elderly persons

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

- Provision of lift, ramp and wheel chair

- Suitable toilets are available for differently-abled students

- Extra time and a writer is provided in the examination hall as per the norms of university

15.9 Occupancy Certificate: Yes

15.10 Fire and Safety Certificate: Yes

15.11 Hostel Facilities: Yes

15.13 Laboratory and Workshop

15.13.1 List of Major Equipment/Facilities in each Laboratory/ Workshop:

Sr. No.	Name of Laboratory	Equipment Details	Cost
01	TOM/DOM	Vibrometer Trainer (Displacement, Velocity, Acceleration. Measurement)	59500.00
		Dynamic Balancing Machine	78209.00
		Shock Absorber Test Rig	68515.00
		Vibration Lab.	57096.00
		Vibrometer Trainer (Displacement, Velocity, Acceleration. Measurement)	59500.00
02	PG CC (CAD/CAM/CAE) Laboratory	Computer System Dell-Intel Core 2 Duo	312000.00
		Computer System Dell-Intel Core i3	360000.00
		Matlab	1261760.00
		Ansys Software Version14.0,32000 (50 user pack)	515000.00
		Online UPS 10 kva With 20 Nos.Batteries	334000.00
		S.M.E. battery Make Exide Ameo (Amar Quanta) Ratting 12 Volts/65 AH	87840
03	Power Plant Engineering Laboratory	Diesel Generator Set	138000.00
		Mini Steam Power Plant	560000.00
04	Refrigeration & Air Conditioning Laborator	Refrigeration Test Rig.	63,420.00
		Air blowing Test Rig.	45,360.00
		Air Conditioning Test Rig.	64,800.00
		ICE Plant Tutor	83,650.00
		Computerized Combined Refrigeration, Ice-Plant and Air- Conditioning Test Rig.	402,925.00
05	Thermal Engineering Laboratory	Diesel Engine Test Rig	53000.00
		Two Stage Air Compressor Test Rig	60000.00
		Multi-cylinder Petrol Engine Test Rig	127000.00
		Indus CO-HC Analyser	82656.00

		Smoke Meter Test Rig	76840.00
		Multicylinder Diesel Engine	186660.00
		Bomb Calorimeter Apparatus	40920.00
		HCV Bus Chassis 5675CC	1708858.00
		Turbocharger Standard Actual Cut Section	26437.50
		Cut Section Model Of Motorised 4-Cylinder Petrol Engine	53437.50
		Cut Section Model Of Motorised 4-Cylinder Diesel Engine	55687.50
		Computerised Multifuel Variable Compression ratio Engine Test Rig.	995625.00
		Multicylinder Petrol engine with Morse Test facility	399375.00
		Motorized Cut Section Modal of M&M Bolero engine with Rear Axel Assembly	94400.00
06	CAD/CAM/CAE Laboratory	Computer System (Dell-3020 – 1TB HDD / 8GB RAM / Core i5 / 64 Bit, Dell-3010 – 500GB HDD/ 4GB RAM /Core i3 / 64 Bit, Dell-Optiplex 7050-1TB HDD/8GB RAM/Corei5/64Bit , Dell Inpiron Laptop- 1TB HDD / 8GB RAM / Core i7 / 64Bit)	25,77,200/-
		Software's(Ansys14.5 – 35Users , MatlabR2013b – 35 Users, Creo3.0 – 50 Users, CatiaV6 – 30 Users, Auto CAD 2009 – 20 Users)	25,45,332
		Others(A0 Size Plotter- 1 Nos. A4 Size Printer- 5 Nos. LCD Projector- 8 Nos. HP Scanner- 1 Nos.,3D Printer)	6,62,726/-
07	PG Laboratory	FFT Analyser, 4-channel Adash,4400-VA4	1600000.00
		PIN ON DISC Apparatus	658699.00
		Diffused Light Polariscope	158440.00
		Computer Aided Temprature Mesurment System	208116.00
08	Work Shop - Machine Shop	SURFACE GRINDING MACHINE SIZE MT -150	154462.38
		MILLING MACHINE	50020
		HIGH CUT S-3503 LATHE MACHINE	2,88,592
		HIGH CUT S-305 LATHE MACHINE (7 No.)	1617000
		HIGH CUT S-4005 LATHE MACHINE (2 No.)	619500
		CNC MACHINE	18,50,000
		WORK TABLE,BENCH VICE (8 No.)	39375
		SPOT WELDING MACHINE	40,000
		PRESS BRAKE MACHINE	82,688
		ADOOR MAKE SMART MIG T-21 WITH TOURCH	80000
		CIRCULAR CUTTING MACHINE	27000
		8" CARPENTRY VICE (24 No.)	25,200

		41/2' LATHE M/C (5 No.)	180735
		41/2' NORTEN LATHE M/C	43814
		18" SHAPER MACHINE	57073
		4 1/2 PARES ALL GEARED LATHE MACHINE (3 No.)	270695
		CHAIN PULLEY	28995
		COMPRESSOR MACHINE	63163
08	Drawing hall	Drawing boards(480 No's)	2,34,960.00
09	Fluid Mechanics & Turbo Machines Laboratory	Flow Through Non-Circular Pipe	36936.00
		Centrifugal Pump Test Rig	138267.00
		Pelton Wheel Turbine Test Rig	141183.00
		Francis Turbine Test Rig	37665.00
		Torque Convertor	32562.00
		Gear Oil Pump Test Rig	46721.00
		Reciprocating Pump Test Rig	21561.30
10	Heat Transfer	Composite Wall Apparatus	19656.00
		Pin-Fin in Natural & Forced Convection Apparatus	20404.00
		Emissivity Apparatus	19372.00
		Stefan Boltzman Apparatus	22129.00
		Thermal Conductivity Of Metal Rod Apparatus	19404.00
		Thermal Conductivity of Insulating Powder	23310.00
		Parallel Flow & Counter Flow Heat Exchanger Apparatus	28114.00
		Heat Transfer in Forced Convection Apparatus	22970.00
		Critical Heat Flux Apparatus	18743.00
		Experimental Set up of Integrated heat transfer through fin in natural convection	108000.00
11	Metallurgy, Metrology and Quality Control Laboratory	Portable magnetic crack detector	65,000.00
		Microscope with eyepiece image	1,30,000.00
		Jominy end quench hardness test apparatus	89,186.00
		Portable Roughness Tester	1,27,353.00
		Angle gauge set	33.670.00
		Profile Porojector V.P Metz -300t.T. (Supreme) With Dro.	182900.00
12	Fluid power and Control Lab	Gear Pump test Rig	56665.10
		Advanced electro hydraulic Trainer kit	187572.00
		Customised Electro pneumatic Trainer kit with Air Compressor	118406.20
Computer Engg			

Sr. No.	Name of Laboratory	Equipment Details	Cost
1	Programming Laboratory (306)	Computer System (DELL 21 PC), Dot Matrix Printer, LaserJet Printer, SONY LCD Projector (05) Software- Ubuntu, Java, Python, GCC, G++	11,46,430.00
2	Project Laboratory (307)	Computer System (DELL 22 PC), Canon LBP 2900 Printer, Sony LCD Projector (01), HP Scanner, Epson Dot Matrix Printer, Software- Ubuntu, Lex, Yacc, Python, GCC, G++, Java Weka, My SQL, MongoDB, Oracle 11g	979,191.98
3	Computer Network Laboratory(308)	Computer System (DELL 26 PC), SONY LCD Projector, LaserJet Printer 1505N, Dot-matrix Printer, Scanner HP. Open Source Software -Ubuntu 18.04, Platforms G++, Python	1,442,867.00
4	Embedded System and Internet of Things (404)	Computer System (DELL 20 PC), Enter 3D Printer (01), Raspberry Pi3 (05), Beaglebone Black (19) Software- Ubuntu, Rasbian OS, Python, Ultimaker_Cura_4.2.1	1,566,450.00
5	Software Laboratory (406)	Computer System (DELL 24 PC), HP LaserJet Printer, Dot Matrix Printer Software- Ubuntu, Android, R-Studio, G++, MongoDB, SQL	1,210,326.00
6	Linux Laboratory (407)	Computer System (DELL 25 PC), Dot Matrix Printer Software- Ubuntu, Android, Java, GCC, G++, Python	881,213.20
7	Hardware Laboratory (409)	Computer System (DELL 19 PC), Digital IC Tester, Digital Trainer Kit, Dot-matrix Printer, LaserJet Printer, CRO, Function Generator, Power Supply, K- YAN All in one Projector Simulator-Xilinx, NASM	1,098,467.00
8	Computer Center (309)	Computer System (DELL 24 PC), LaserJet Printer, Dot matrix printer, Sony LCD Projector (01), HP All in one LaserJet Printer (01), Toshiba Intel Core 2 duo Laptop (01) Software- Ubuntu, Lex, Yacc, Java, Python, GCC, G++	1,360,504.98
9	Server room	Lenovo Rack Server SR530, SOPHOS XG330 Firewall, Computer System (DELL 04 PC), Dell Inspiron 15R SE Laptop, Techroutes TSR 3800 Router, Cisco SG- 500 & 300 28 port Switch	2,792,684.00

Instrumentation Engg			
Sr. No.	Name of Laboratory	Equipment Details	Cost
1	Sensors and Transducers	1. Flow measuring instruments 2. Oven with digital temperature indicator 3. Dead Weight Pressure Gauge Tester	37328.50 20250.00 56050.00
2	Process Instrumentation	1. PLC ABB 2. Universal Calibrator 3. Smart Level Transmitter 4. Smart DP flow transmitter 5. Smart Field Communicator-ABB 6. Hydraulic Trainer & Pneumatic Trainer 7. Flow Control Loop 8. Multiloop Process Control Trainer 9. Temperature Process Control Trainer	182000.00 33753.00 33590.00 38069.00 105270.00 171243.00 111062.00 315000.00 52014.00
3	DCS & Automation Lab	1. DCS Delta-V System 2. Application Simulator Kits 3. S7-1200 PLC, S7-300 PLC, G1-20 Drive, V90 Drive with Training Kits	1664000.00 310000.00 2400000.00
4	Electronic Instrumentation Lab	1. DSO-YOKOGAWA 2. Universal Counter	149682.00 41259.00
5	Electronics Lab	1. DDS Multi-waveform Signal Generator	45649.00
6	Biomedical Lab	1. Atomic Absorption Spectro Photometer 2. Gas Chromatograph/UV VIS2600 Spectrophotometer 3. EZ100 MHz Dual Trace Oscilloscope 4. Ventilator 5. ECG Telemetry	327527.00 391020.00 90000.00 60580.00. 41940.00
7	PMS Lab	1. Matlab7.1 Software 2. Labview2008 software 3. NI-6009 Hardware 4. Labview2010 5. LabView Hardware 2010 6. NI-USB 6009 & NI USB 6215 universal module	397667.00 217360.00 31616.00 306731.00 146423.00 165110.00
8	DSP & Microcontroller Lab	1. Universal controller 2. Dell Laptop 3. Projector 4. 3D Printer 5. K-YAN Projector	45732.00 59000.00 115500.00. 44250.00. 100000.00

E & Tc Engg			
Sr. No.	Name of Laboratory	Equipment Details	Cost
1	Power/ Television LAB	Colour Tv Trainer Kit With Pattern Gen & VCR	61996.00
2	Communication Lab	Spectrum Anlyser - 9 Khz To 2.7 GHz With	250000.00
3	Communication Lab	150 MHz RF Signal, Generator	19562.00
4	Communication Lab	Mobile Set Trainer Mobile Comm	83006.00
5	Television Engineering	Wobbuloscope	87220.00
19	MICROWAVE LAB	Amitec Make Microstrip Antenna Training Lab	362306.00
20	Power/ Television LAB	TV Trainer Kits	409500.00
21		Embedded PROCESSORS	1793775.00
22	Microwave-Opt Fiber LAB	Microwave Sets	306540.00
23	Microwave-Opt Fiber LAB	Fiber Optic Equipments	398998.00
27	VLSI LAB	VlSI Trainer Kit	48340.00
28	VLSI LAB	Advanced VlSI Trainer Kit Sparten Iii Board	74036.00
31	VLSI LAB	Batteries	465867.00
32	VLSI LAB	Computer System P-IV, 3 Ghz,	2292629.00
33	VLSI LAB	Printers	100840.00
34	VLSI LAB	ORCAD EDA Tool (5 User),	225000.00
35	VLSI LAB	Ms Windows 7 (Starter OEM)	42800.00
36	VLSI LAB	Quick Heal Admin CONSOL	46800.00
37	VLSI LAB	Active VHDL Simulation & Synthesis	330000.00
38	CC LAB	Windows Vista Starter	50500.00
40	VLSI LAB	Microwind Tool With 04 Of The Module. Dsch3	320250.00
41	CC LAB	10 KVA UPS System	729700.00
42	COMM LAB	LCD Projectors	197770.00
45	COMM LAB	Digital Storage Oscilloscopes	340000.00
46	TELEVISION LAB	LED 22' Colour Television	60000.00
47	DESIGN LAB	6 ½ Digit Digital Multi meter	60000.00
49	MICROCONTRO LLER LAB	Embedded Lab Kits	141581.00
51	DESIGN LAB	Arbitrary Function Generator	78750.00
52	DESIGN LAB	LCR Meter	174375.00
54	DESIGN LAB	Klystron Based Microwave Bench	94500.00
55	DESIGN LAB	Gunn Based Microwave Bench	40635.00
56	DESIGN LAB	Rf Power Meter X Band	56700.00
57	DESIGN LAB	C & S Band Satellite Trainer Lab	157500.00
58	DESIGN LAB	Vector Network Analyser	777000.00

59	DESIGN LAB	Micro-strip Antenna Training Lab	202922.00
60	DESIGN LAB	5MHz-10MHz Antenna Training System Base	159384.00
62	DESIGN LAB	ARM Boards	57750
63	DESIGN LAB	Linear IC Tester	94500.00
64	DESIGN LAB	Mobile Comm. Lab kits	238998.00
65	DESIGN LAB	CCTV cameras	214375.00
66	DESIGN LAB	Robotics Kits & Accessories	197616.00
67	DESIGN LAB	LCD Projectors	331000.00

Civil Engg			
Sr. No.	Name of Laboratory	Equipment Details	Cost
01	Geotechnical Engineering	Direct shear test apparatus 12 speed motorized	84,532.50
		Unconfined compression test apparatus (Hand operated proving ring type)	64,642.50
		Tri-axial test Setup: Load frame, motorized 5000 kg H.S.28.05 Triaxial cell for 38/50mm 76/100mm high specimen	86,521.50
		Swell test apparatus proving ring 2 KN dial gauge 0.01 x 25 mm	66,198.00
		Relative density apparatus	96,820.31
02	Transportation Engineering	Laboratory CBR Apparatus	74636.64
		Ductility Apparatus	54697.50
		Los Angeles Abrasion Testing Machine	90094.68
		Marshal Apparatus	84623.76
03	Fluid Mechanics	Hydraulic Flume/Adjustable Channel	171000.00
		Open Circuit Wind Tunnel with lift & Drag indicator, lift Display Manometers, Airfoil & Cylindrical & Spherical Models	327412.89
04	Strength of Material	Pendulum Impact Machine	83,435.00
		Torsion Testing Machine	70,843.00
		Tile Abrasion Testing Machine	79,361.00
		Computerized Universal Testing Machine	11,63,998.00
		Bend-Rebound Test-Attachment	52,071.00
		Hardness Test Apparatus Rockwell And Brunel Tester	128933.00
		Vibrating Machine 10" X 3 "	151233.33
05	Concrete Technology	Compression Testing Machine	2,83,920.00
		Vibrating Table Size 1mx1m	57,543.00
		Tensile Testing Machine	57,681.00
		Concrete Mixer	64,896.46
		Ultrasonic Pulse Velocity Meter	2,74,350.00
06	Environmental Engineering	Flame photometer	60,750.00
		Water quality parameter test kit	78,544.00
		UV spectrometer	1,55,611.97

07	Engineering Mechanics	Reaction of beam apparatus	16874.00
		Shear leg apparatus	13216.00
08	Survey	Total Station	672204.00
		Digital Level	82600.00
		GRAMM ++ software	39530.00
09	Engineering Geology	Signal stacking resistivity meter SSR.MP1	130900.00
10	Computer Center UG	Toshiba Satelite Pro. M200 (E 4130) Model No. PSNG -3L 026000H SER No. 87130449Q Laptop	57900.00
		Foresight (Code NO. HXE-21110) Foresight for Nikon basic package plus Road lay out Foresight COGO & drafting with contouring & DTM transfer module for Foresight	104500.00
		HP Plotter 510	165000.00
		Auto Desk Suit	278176.00
		10 KV online UPS With 20 Batteries	269500.00
		Bentley Staad pro V8i Staad Foundation	451770.00
		SONY LCD Projection VPL EX310 SN/.50000341	51000.12
		1. Ahuja Amplifier BTZ-70000sr.no.4074435 (29044.05) 2. Ahuja speaker 5MX602T (51013.2)	86321.72
		1. Ahuja Cordless Mike (14216.98) 2. Ahuja Podium Mike (4103.77) 3. Ahuja wire Mike (3981.12) Connecting Cord (2830.16) Speaker wire coil (3773.58) Ahuja cordless collar mike (5632.08)	50279.44
		Digital Podium	93840.00
		Sony VPL DX 142 VPL DX 240 3200 Lumens LCD Projector (Qty- 3)	140800.00
		Interactive White Board with short throw projector	133500.00
	Computer Center PG	Primavera Enterprise Project Portfolio Primavera Contractor 6.x standalone	556052.00
		HIT Office construction ERP	142500.00
		10 KV Online Ups Set with 20 Batteries	764400.00

MBA DEPT			
Sr. No.	Name of Laboratory	Equipment Details	Cost
1	Computer Lab-I	10 KVA ONLINE UPS SYSTEM WITH SMF BATTERIES SET	1,23,300.00

2	Computer Lab-II	10 KVA ONLINE UPS SYSTEM WITH SMF BATTERIES SET	1,23,300.00

Engg. Sci			
Sr. No.	**Name of Laboratory**	**Equipment Details**	**Cost**
1	Basic Electrical Lab	1. Dual Power Supply 32,2 AMP (7)	60665.00
		2. Digital Earth Tester,3 pole Earth ground resistance	8124.00
		3. RLC, KVL, Superposition kit (2)	9940.00
		4. Thevenins Theorem Kit (2)	10704.00
		5. Digital Megger, Test 0-500v, 100mohm	5055.00
		6. Singal Phase Transformer (3)	8850.00
2	Electrical Machine Lab	1. D.C. Shunt Motor with Base Mounting 3HP, 1500 RPM.	19269.00
		2. Induction Motor 3 phase 1440 RPM	5593.00
		3. D.C Series Motor with Base Mounting.	10368.35
		4. D.C Drive 1 phase Rectifier 20AMP	21800.00
		5. Arduino Atmega 328P Based development Board (4)	30210.00
		6. Synchronous Motor 3kva, 440v with Base Mounting.	9598.72
3	Engineering Physics	1. C.R.O Model 3305	20308.00
		2. Hall Effect Kit	16372.00
		3. Newton's Ring Experiment Set With Special Microscope	3800.00
		4. Ultrasonic interferometer	83160.00
4	Engineering Chemistry	1. Oven Kumar M.S.	10,146.00
		2. Dhona Mechanical Balance	14,989.00
		3. Muffle furnace Kumar	21,561.00
		4. Conductivity Meter EQ660A (3)	37,912.00
		5. Digital Electronic Balance	16,400.00
		6. Digital Visible Spectrophotometer	42,052.00
		7. Equiptronics pH meter (6)	55,390.00

		8. Digital Colorimeter (3)	33,223.00

15.13.2 List of Experimental Setup in each Laboratory/ Workshop:

Department wise: Mech. Engg.

Sr. No.	Name of Course	Experimental Setup	Name of Laboratory
1.	Dynamics of Machinery	Vibrometer Trainer (Displacement, Velocity, Acceleration. Measurement)	59500.00
		Dynamic Balancing Machine	78209.00
		Shock Absorber Test Rig	68515.00
		Vibration Lab.	57096.00
		FFT Analyser, 4-channel Adash,4400-VA4	1600000.00
2.	Energy Engineering	Diesel Generator Set	138000.00
3.		Mini Steam Power Plant	560000.00
4.	Heating, ventilation and Air Conditioning	Refrigeration Test Rig.	63,420.00
5.		Air blowing Test Rig.	45,360.00
		Air blowing Test Rig.	45,360.00
		Air Conditioning Test Rig.	64,800.00
		ICE Plant Tutor	83,650.00
		Computerized Combined Refrigeration, Ice-Plant and Air-	
		Conditioning Test Rig.	402,925.00
6.	Engineering Thermodynamics	Bomb Calorimeter Apparatus	40920.00
7.	Computer Aided Engineering	Computer System (Dell-3020 – 1TB HDD / 8GB RAM / Core i5 / 64 Bit, Dell-3010 – 500GB HDD/ 4GB RAM /Core i3 / 64 Bit, Dell-Optiplex 7050-1TB HDD/8GB RAM/Corei5/64Bit , Dell Inpiron Laptop- 1TB HDD / 8GB RAM / Core i7 / 64Bit)	25,77,200/-
		Software's(Ansys14.5 – 35Users , MatlabR2013b – 35 Users, Creo3.0 – 50 Users, CatiaV6 – 30 Users, Auto CAD 2009 – 20 Users)	25,45,332
8.	Artificial Intelligent and Machine Learning	Computer System (Dell-3020 – 1TB HDD / 8GB RAM / Core i5 / 64 Bit, Dell-3010 – 500GB HDD/ 4GB RAM /Core i3 / 64 Bit, Dell-Optiplex 7050-1TB HDD/8GB RAM/Corei5/64Bit , Dell Inpiron Laptop- 1TB HDD / 8GB RAM / Core i7 / 64Bit)	25,77,200/-

No.	Laboratory	Equipment	Cost
9.	Solid Modelling and Drafting	Computer System (Dell-3020 – 1TB HDD / 8GB RAM / Core i5 / 64 Bit, Dell-3010 – 500GB HDD/ 4GB RAM /Core i3 / 64 Bit, Dell-Optiplex 7050-1TB HDD/8GB RAM/Corei5/64Bit , Dell Inpiron Laptop- 1TB HDD / 8GB RAM / Core i7 / 64Bit)	25,77,200/-
10.	Engineering Graphics	Computer System (Dell-3020 – 1TB HDD / 8GB RAM / Core i5 / 64 Bit, Dell-3010 – 500GB HDD/ 4GB RAM /Core i3 / 64 Bit, Dell-Optiplex 7050-1TB HDD/8GB RAM/Corei5/64Bit , Dell Inpiron Laptop- 1TB HDD / 8GB RAM / Core i7 / 64Bit)	25,77,200/-
11.	Solid Mechanics	Computer System (Dell-3020 – 1TB HDD / 8GB RAM / Core i5 / 64 Bit, Dell-3010 – 500GB HDD/ 4GB RAM /Core i3 / 64 Bit, Dell-Optiplex 7050-1TB HDD/8GB RAM/Corei5/64Bit , Dell Inpiron Laptop- 1TB HDD / 8GB RAM / Core i7 / 64Bit)	25,77,200/-
		Software's(Ansys14.5 – 35Users , MatlabR2013b – 35 Users, Creo3.0 – 50 Users, CatiaV6 – 30 Users, Auto CAD 2009 – 20 Users)	25,45,332
		Diffused Light Polariscope	158440.00
12.	Machine shop	SURFACE GRINDING MACHINE SIZE MT -150	154462.38
		MILLING MACHINE	50020
		HIGH CUT S-3503 LATHE MACHINE	2,88,592
		HIGH CUT S-305 LATHE MACHINE (7 No.)	1617000
		18" SHAPER MACHINE	57073
		4 1/2 PARES ALL GEARED LATHE MACHINE (3 No.)	270695
		CHAIN PULLEY	28995
		COMPRESSOR MACHINE	63163
13.	Digital Manufacturing laboratory	CNC MACHINE	18,50,000
14.	Workshop	WORK TABLE,BENCH VICE (8 No.)	39375
		SPOT WELDING MACHINE	40,000
		PRESS BRAKE MACHINE	82,688
		ADOOR MAKE SMART MIG T-21 WITH TOURCH	80000
		CIRCULAR CUTTING MACHINE	27000
		8" CARPENTRY VICE (24 No.)	25,200
		41/2' LATHE M/C (5 No.)	180735
		41/2' NORTEN LATHE M/C	43814
15.	Fluid Mechanics	Torque Convertor	32562.00
		Gear Oil Pump Test Rig	46721.00
		Reciprocating Pump Test Rig	21561.30
16.	Turbomachinery	Flow Through Non-Circular Pipe	36936.00
		Centrifugal Pump Test Rig	138267.00
		Pelton Wheel Turbine Test Rig	141183.00
		Francis Turbine Test Rig	37665.00
17.	Heat and mass transfer	Composite Wall Apparatus	19656.00
		Pin-Fin in Natural & Forced Convection Apparatus	20404.00
		Emissivity Apparatus	19372.00
		Stefan Boltzman Apparatus	22129.00

		Thermal Conductivity Of Metal Rod Apparatus	19404.00
		Thermal Conductivity of Insulating Powder	23310.00
		Parallel Flow & Counter Flow Heat Exchanger Apparatus	28114.00
		Heat Transfer in Forced Convection Apparatus	22970.00
		Critical Heat Flux Apparatus	18743.00
		Experimental Set up of Integrated heat transfer through fin in natural convection	108000.00
		Composite Wall Apparatus	19656.00
18.	Measurement Laboratory	Microscope with eyepiece image	1,30,000.00
		Portable Roughness Tester	1,27,353.00
		Angle gauge set	33.670.00
		Profile Porojector V.P Metz -300t.T. (Supreme) With Dro.	182900.00
19.	Engineering Materials and Metrology	Portable magnetic crack detector	65,000.00
		Jominy end quench hardness test apparatus	89,186.00
20.	Fluid Power and control Laboratory	Gear Pump test Rig	56665.10
		Advanced electro hydraulic Trainer kit	187572.00
		Customised Electro pneumatic Trainer kit with Air Compressor	118406.20

Computer Dept

Sr. No.	Name of Course	Experimental Setup	Name of Laboratory
1	Laboratory Practice –VI	Power BI, Colab / Jupyter Notebook	Programming Laboratory (306)
2	Project Based Learning	Python, PHP, HTML	Project Laboratory (307)
	Data Science and Big Data Analysis Laboratory	Colab / Jupyter Notebook	
	Laboratory Practice –V	Colab / Jupyter Notebook, OpenMP, CUDA	
3	Data Structure Algorithms Lab	C++, Java, Python	Compu ter Networ k Laboratory (308)
4	Computer Graphics,	Python, C++, Java	Embedded System and IOT Laboratory (404)
	Computer network Lab	Python, C++	
	Data Structure Algorithms Lab	Python, C++, Java	

Sr. No.	Name of Course	Experimental Setup	Name of Laboratory
5	Cloud Computing	Salesforce,	Software Laboratory (406)
	LP-I	Embedded C, Java	
6	Web Technology	PHP, HTML	Linux Laboratory (407)
7	Microprocessor	Python	
	Digital Systems	Digital trainer Kit, VLSI	Hardware Laboratory (409)
8	PPL	Python	Computer Center (309)

Instrumentation Dept

Sr. No.	Name of Course	Experimental Setup	Name of Laboratory
1	Instrumentation & Control	To design inverting amplifier, non-inverting amplifier, comparator, Wein-bridge oscillator, Instrumentation amplifier etc. using opamp IC 741	Electronics Lab
2	Instrumentation & Control	To design verification of truth-tables, codes and their conversion, Full Adder, Full Subtractor, 7-segment decoder driver, flip-flops, counters using digital logic gates	Electronics Lab
3	Instrumentation & Control	To perform Analog to digital conversion, DAC, response time of relay, AC/DC bridges Potentiometer experiments in basic instrumentation lab	Electronics Lab
4	Instrumentation & Control	Multiprocess Trainer setup to perform experiments on feedback control, cascade, ratio control	Process Lab
5	Instrumentation & Control	ABB PLC setup to perform experiments using PLC	Process Lab
6	Instrumentation & Control	Flow-Level cascade control setup using PID Controllers	Process Lab
7	Instrumentation & Control	Hydraulic and Pneumatic Trainer setup for different cylinders.	Process Lab
8	Instrumentation & Control	Temperature Measurement using RTD, Thermocouple	Sensors & Transducers Lab
9	Instrumentation & Control	Flow measurement using Rotameter, Venturi meter and Orifice Meter	Sensors & Transducers Lab
10	Instrumentation & Control	PH, Conductivity Measurement	Sensors & Transducers

			Lab
11	Instrumentation & Control	Pressure Gauge Calibration using Dead Weight Tester	Sensors & Transducers Lab
12	Instrumentation & Control	Linear displacement measurement using LVDT.	Sensors & Transducers Lab
13	Instrumentation & Control	Heart Rate, ECG, EEG, EMG Measurement, Respiration rate meter	Analytical & Biomedical Lab
14	Instrumentation & Control	Flame photometer, UV visible Spectro- photometer, Densitometer for sample analysis	Analytical & Biomedical Lab
15	Instrumentation & Control	S7-1200 PLC and VFD setup to perform various experiments.	DCS & Automation Lab
16	Instrumentation & Control	Delta DCS setup to perform various experiments.	DCS & Automation Lab

E&TC Dept			
Sr. No.	Name of Course	Experimental Setup	Name of Laboratory
1	Electronics & Telecommunication Engineering	To study of different types of Microwave Components	Radiation and Microwave Theory
2	Electronics & Telecommunication Engineering	To measure radiation pattern and gain of horn or parabolic antenna at microwave frequency	Radiation and Microwave Theory
3	Electronics & Telecommunication Engineering	To measure and plot Mode characteristics of Reflex klystron	Radiation and Microwave Theory

4	Electronics & Telecommunication Engineering	To measure V-I characteristics of Gunn Diode and study of PIN modulator	Radiation and Microwave Theory
5	Electronics & Telecommunication Engineering	To measure and verify port characteristics of microwave tees (E, H, E-H or magic planes)	Radiation and Microwave Theory
6	Electronics & Telecommunication Engineering	To measure and verify port characteristics of directional coupler and calculate coupling factor, insertion loss and directivity	Radiation and Microwave Theory
7	Electronics & Telecommunication Engineering	To measure and verify port characteristics of isolator and circulator and calculate insertion loss and isolation in dB.	Radiation and Microwave Theory
8	Electronics & Telecommunication Engineering	To measure wavelength of the microwave using microwave test bench and verify with its theoretical calculations	Radiation and Microwave Theory
9	Electronics & Telecommunication Engineering	. To plot standing wave pattern and measure SWR for open, short and matched termination at microwave frequency using slotted section with probe carriage.	Radiation and Microwave Theory
10	Electronics & Telecommunication Engineering	Study the network analyzer and carry out the measurements of s-parameters	Radiation and Microwave Theory
11	Electronics & Telecommunication Engineering	. To design and simulate any type of microwave antenna using EM simulation software.	Radiation and Microwave Theory
12	Electronics & Telecommunication Engineering	4 bit ALU for Add, Subtract, AND, NAND, OR, XOR & XNOR.	VLSI LAB
13	Electronics & Telecommunication Engineering	2. Universal shift register with mode selection input for SISO, SIPO, PISO, & PIPO	VLSI LAB

14	Electronics & Telecommunication Engineering	2:1 Mux using logic gates & transmission gates	VLSI LAB
15	Electronics & Telecommunication Engineering	Write a JavaScript program to calculate area of triangle, area of rectangle and area of circle	JavaScript LAB
16	Electronics & Telecommunication Engineering	Write a JavaScript program to generate the multiplication table of a given number	JavaScript LAB
17	Electronics & Telecommunication Engineering	Write a JavaScript program to following operations on a given string, • Reverse string • Replace characters of a string. • String is Palindrome	JavaScript LAB
18	Electronics & Telecommunication Engineering	Write a JavaScript program to compare two strings using various methods	JavaScript LAB
19	Electronics & Telecommunication Engineering	Write a JavaScript program that will create a countdown timer.	JavaScript LAB
20	Electronics & Telecommunication Engineering	Write a JavaScript program that will create an array and perform following operations • To remove specific element from the array. • Check if an array contains a specified value. • To empty an array	JavaScript LAB
21	Electronics & Telecommunication Engineering	Write a JavaScript program that will append an object to an array and will check if an object is an array	JavaScript LAB
22	Electronics & Telecommunication Engineering	Write a JavaScript program to illustrate different Set operations like- • Union • Intersection • Difference • Set Difference	JavaScript LAB
23	Electronics & Telecommunication Engineering	Design and implement a simple calculator using Java script for operations like addition multiplication, subtraction, division, square of a number etc: • Design a calculator like text field for input and output, buttons for numbers and operations etc. • Validate input values • Prompt / Alerts for invalid values etc.	JavaScript LAB
24	Electronics & Telecommunication Engineering	Study of Raspberry-Pi, Beagle board, Arduino, and different operating systems for RaspberryPi/Beagle board/Arduino. Understanding the process of OS installation on RaspberryPi/Beagle board/Arduino	Modernized IoT LAB

25	Electronics & Telecommunication Engineering	Open-source prototype platform- Raspberry-Pi/Beagle board/Arduino -Simple program digital read/write using LED and Switch -Analog read/write using sensor and actuators.	Modernized IoT LAB
26	Electronics & Telecommunication Engineering	Interfacing sensors and actuators with Arduino/Raspberry-pi	Modernized IoT LAB
27	Electronics & Telecommunication Engineering	IoT based Stepper Motor/DC Motor Control with Arduino/Raspberry Pi	Modernized IoT LAB
28	Electronics & Telecommunication Engineering	. Introduction to MQTT/ CoAP and sending sensor data to cloud using Raspberry-Pi/Beagle board/Arduino	Modernized IoT LAB
29	Electronics & Telecommunication Engineering	Get the status of a bulb at a remote place (on the LAN) through web.	Modernized IoT LAB
30	Electronics & Telecommunication Engineering	. Interfacing Arduino to Bluetooth Module.	Modernized IoT LAB
31	Electronics & Telecommunication Engineering	Communicate between Arduino and Raspberry PI using any wireless medium like ZigBee	Modernized IoT LAB
32	Electronics & Telecommunication Engineering	. IoT based small project implementation on the topics based on small problem statements of the fields like chat bot, smart home (Home Automation), social issues and environmental issues etc. This project can be built on any IoT simulation platform like Tinkercad, Cooja etc.	Modernized IoT LAB
33	Electronics & Telecommunication Engineering	Simulate a cloud scenario using CloudSim and run a scheduling algorithm that is not present in CloudSim.	Cloud Computing LAB
34	Electronics & Telecommunication Engineering	Find a procedure to transfer the files from one virtual machine to another virtual machine	Cloud Computing LAB
35	Electronics & Telecommunication Engineering	Find a procedure to launch virtual machine using try stack (Online Openstack Demo Version)	Cloud Computing LAB
36	Electronics & Telecommunication Engineering	Design and deploy a PaaS environment	Cloud Computing LAB
37	Electronics & Telecommunication Engineering	Design and develop custom Application (Mini Project) using Cloud (like Salesforce/GCP/AWS.)	Cloud Computing LAB

38	Electronics & Telecommunication Engineering	Design an Assignment to retrieve, verify, and store user credentials using Firebase Authentication, the Google App Engine standard environment, and Google Cloud Data store	Cloud Computing LAB
39	Electronics & Telecommunication Engineering	To estimate the numerical aperture of given MMSI optical fiber.	Fiber Optic Lab
40	Electronics & Telecommunication Engineering	To plot electrical and optical characteristics of any one optical source LED/Laser	Fiber Optic Lab
41	Electronics & Telecommunication Engineering	To measure attenuation coefficient and bending losses in optical fibers	Fiber Optic Lab
42	Electronics & Telecommunication Engineering	To plot characteristics of any one photo detector pn/pin/phototransistor	Fiber Optic Lab
43	Electronics & Telecommunication Engineering	Establish a digital optical link.	Fiber Optic Lab
44	Electronics & Telecommunication Engineering	Simulate optical power budget and rise time budget analysis of optical fiber systems	Fiber Optic Lab
45	Electronics & Telecommunication Engineering	Study of any one field instrument such as optical power meter, OTDR, splicing machine	Fiber Optic Lab
46	Electronics & Telecommunication Engineering	Simulation of WDM system to compute OSNR using any simulation software.	Fiber Optic Lab
47	Electronics & Telecommunication Engineering	Study of current trends in: optical sources, detectors, fibers for telecommunication, muxdemux, filters, isolators, circulators, couplers, connectors, optical amplifiers etc and the measuring instruments and standards	Fiber Optic Lab
48	Electronics & Telecommunication Engineering	Simulate to elaborate operation of multiple access techniques for CDMA. 2.. 3.. 4.. 5.	Mobile Computing LAB
49	Electronics & Telecommunication Engineering	Study of GSM architecture and signaling techniques	Mobile Computing LAB
50	Electronics & Telecommunication Engineering	Study of GPRS services	Mobile Computing LAB

51	Electronics & Telecommunication Engineering	Simulate BER performance over Rayleigh Fading wireless channel with BPSK transmission for SNR 0 to 60 dB	Mobile Computing LAB
52	Electronics & Telecommunication Engineering	Configuring a Cisco Router as a DHCP Server	Mobile Computing LAB
53	Electronics & Telecommunication Engineering	To Perform File Transfer in Client & Server Using TCP/IP.	
		Civil Dept	
1	Geotechnical Engineering	Water content determination by any two methods a) Oven drying method b) Infrared moisture method, c) Calcium carbide method	Geotechnical Engineering
		Specific gravity determination by Pycnometer /Density bottle.	
		Sieve analysis, particle size determination and IS classification as per I.S. Codes.	
		Determination of Consistency limits and their use in soil classification as per I.S. Codes.	
		Field density test by a) Core cutter b) Sand Replacement and c) Clod method	
		Determination of coefficient of permeability by a) Constant head and b) Variable head method.	
		Direct shear test.	
		Unconfined compression test.	
		Vane Shear test.	
		Triaxial test	
		Standard Proctor test / Modified Proctor test.	
		Differential free swell test.	
		Swelling Pressure test	
2	Mechanics of structure	Specific Gravity & Water Absorption Test	
		Shape Test (Flakiness Index & Elongation Index)	
		Aggregate Impact Value Test	
		Aggregate Crushing Value Test	
		Los Angeles Abrasion Test	
		Stripping Value Test	
		Specific Gravity Test	
		Penetration Test	
		Softening Point Test	

		Ductility Test	
		Flash and Fire Point Test	
		CBR Test	
		Marshal Stability Test	
3	Fluid Mechanics	Measurement of viscosity of fluid by Redwood/Saybolt viscometer.	Fluid Mechanics
		Experimental verification of Bernoulli's theorem with reference to loss of energy	
		Calibration of Venturimeter / Orifice meter.	
		Determination of Darcy-Weisbach friction factor (f) for a given pipe and study of variation of f with Reynolds Number (Re).	
		Flow around a Circular Cylinder/Aerofoil.	
		Study of Uniform Flow Formulae for Open channel.	
		Velocity Distribution in Open Channel Flow.	
		Calibration of Rectangular and Triangular Notch.	
		Determination of Stability of Floating Bodies using Ship Model	
		Drawing Flow net by Electrical Analogy for flow below Weir (with & without sheet pile)	
		Measurement of Pressure using different Pressure Measuring Devices (including Transducers /state of arts Digital Instruments also).	
		Measurement of Surface Tension	
		Determination of Minor Losses inPpipes	
4	Mechanics of structure	Tension test on mild and TMT steel.	21. Mechanics of structure
		Shear (Single & Double)test on mild steel.	
		Torsion test on mild steel.	
		Impact (Izod & Charpy) test on mild steel, aluminum, brass.	
		Compression test on timber (Parallel & Perpendicular)	
		Bending test on timber and plywood.	
		Field tests on bricks	
		Water absorption test on bricks.	
		Efflorescence test on bricks.	
		Compressive strength test on bricks	
		Flexural strength of flooring tiles.	
		Abrasion test of flooring tiles.	
5	Concrete Technology	Fineness of cement and fly ash (by sieve method)	
		Standard consistency Initial and final setting time and Soundness of cement.	
		Compressive strength of cement	
		Tensile strength of cement (Optional)	
		Fineness modulus, Moisture content, silt content, bulk density and specific gravity of fine aggregate.	

		Fineness modulus, Moisture content, water absorption, bulk density and specific gravity of coarse aggregate.	
		Concrete mix design by IS code method and DOE using spread sheet/excel sheet.	
		Workability of concrete with and without admixture by slump cone, compaction factor, and or Vee-Bee Consistometer apparatus.	
		Indirect tensile strength and flexural strength of hardened concrete.	
6	Water Supply Engineering	Determination of pH of various samples such as drinking water, prepared acidic and alkaline samples, other samples such as soft drink / tea etc.	Environmental Engineering
		Determination of Alkalinity of raw water and other samples such as prepared sample, soft drinks and tea etc.	
		Total hardness and its components in raw water.	
		Determination of chlorides in water	
		Determination of chlorine demand and residual chlorine.	
		Determination of turbidity and optimum dose of alum.	
		Determination of sodium or potassium or calcium using flame photometer.	
		Determination of fluorides or iron contents in water	
		Determination of Most Probable Number (MPN)	
		Complete design of WTP using appropriate software/Program/excel spread sheet etc. (Software)	
	Wastewater Engineering	Determination of dissolved oxygen in a given water and wastewater sample	
		Determination of Bio-Chemical Oxygen Demand in a given wastewater sample	
		Determination of Chemical Oxygen Demand in a given wastewater sample	
		Determination of solids -Total solids, suspended solids, volatile solids, settleable solids and non-settleable solids in a given wastewater sample	
		Determination of Sludge Volume Index in a given wastewater sample	
		Determination of Electrical Conductivity in a given wastewater sample	
		Determination of Phosphates by spectrophotometer in a given wastewater sample	
		Computer aided design of Sewage Treatment Plant (STP) OR Effluent Treatment Plant (ETP) of Sugar/ Dairy/Distillery Industry using suitable software (e.g., ASIM, STOAT) or excel sheets. (Software)	
7	Engineering Mechanics	Verification of Law of Polygon of Forces	Engineering Mechanics
		Determination of reaction of simple beam	
		Determination of coefficient of friction of belt	

		Determination of forces in the members of space force system	
		Study of curvilinear motion	
		Determination of coefficient of restitution	
8	Surveying	Measurement of magnetic bearings of sides of a triangle or quadrilateral, correction for local attraction and calculations of true bearings using prismatic compass	Surveying
		Plane table survey consisting of both Radiation and Intersection method. Actual mapping of small structure like an area map from central commanding area / small building using combination of both methods	
		Finding horizontal distance and vertical elevation using a Tacheometer	
		Simple and differential levelling with at least three change points using digital level.	
		Measurement of horizontal angles (by repetition method) and vertical angles using 1" and 20" Vernier Transit Theodolite. Setting the required horizontal and vertical angles	
		Setting out a circular curve by Rankine's method of deflection angles	
		Setting out a building from a given foundation plan (minimum six co-ordinates)	
		Study and use of nautical sextant and measurement of horizontal angles	
		Study of the instruments used in hydrographic surveying	
		Practical based on various special functions available in a total station such as remote elevation measurements, remote distance measurements and co-ordinate stakeout.	
		Mandatory Assignments: (Minimum 02)	
		Spatial database creation by using GIS software like Google earth or any other.	
8		Brief Introduction to City Survey.	
		Study of aerial photograph and finding out the scale of the photograph.	
		Determination of air base distance using mirror stereoscope.	
		Projects:(Minimum Two)	
		Road project using Auto level for a minimum length of 100 m including fixing of alignment, profile levelling, cross- sectioning, plotting of L section and Cross Section. (One full imperial sheet including plan, L-section and any three typical Cross-section	

		Tachometric contouring project on hilly area with at least two instrument stations about 60 m to 100 m apart and generating contours using both methods, manual as well as using any suitable software such as Autodesk land desktop, Auto-civil, Foresight etc. (minimum contour interval 1 meter).	
8	Surveying	Tachometric contouring project on hilly area with at least two instrument stations about 60 m to 100 m apart and generating contours using both methods, manual as well as using any suitable software such as Autodesk land desktop, Auto-civil, Foresight etc. (minimum contour interval 1 meter).	Surveying
		Total Station Traversing	

15.14.6 Special purpose facilities available

15.14.7 Facilities for conduct of classes/courses in online mode (Theory & Practical)

15.14.8 Innovation Cell

15.14.9 Social Media Cell

15.14.10 Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments

15.13   List of facilities available:

15.15.1 Game and Sports Facility

15.15.2 Extra-Curricular Activities

15.15.3 Soft Skill Development Facilities

15.14   Teaching Learning Process:

15.16.1 Curricula and syllabus for each of the Programmes as approved by the University

15.16.2 Academic Calendar of the University

- Departmental Academic Calender

Maratha Vidya Prasarak Samaj's
Karmaveer Adv. Baburao Ganpatrao Thakare
College of Engineering
Permanently Affiliated by Savitribai Phule Pune University Vide No. : CA/1542 &
Approved by AICTE New Delhi – Vide No. : 740-89-32 (E)ET/98 AISHE Code-C- 41622

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STRONG EDUCATION FOUNDATION TO ADVANCE YOUR CAREER

ACADEMIC CALENDER OF INFORMATION TECHNOLOGY {SEM - I , 2024-2025}   **DATE : 24/06/2024**

Month	Mon	Tues	Wed	Thur	Fri	Sat	Sun	Events
Jun-24	24	25	26	27	28	29	30	**24 - Commencement of SE, TE & BE classes**
Jul-24	1	2	3	4	5	6	7	
	8	9	10	11	12	13	14	12- Induction Program TE & BE
	15	16	17	18	19	20	21	17-Ashadi Ekadashi/ Muharram , 15-20 -Workshop SE/TE/BE
	22	23	24	25	26	27	28	27- PAC Meet
	29	30	31					31- No Iron Day
Aug-24				1	2	3	4	1 -Display of attendance on Notice Board, 2-Letters to parents,
	5	6	7	8	9	10	11	Industrial Visit in 1st week
	12	13	14	15	16	17	18	15-Independence day, 15-Parsi new Year, 17- DAB Meet 19-Samaj Din
	19	20	21	22	23	24	25	20 - 24 Unit Test-I (TE, BE)
	26	27	28	29	30	31		26 - Mid Semester Feedback, 31- No Iron Day
Sep-24							1	Ist week of September-Industrial Visit SE/TE/BE
	2	3	4	5	6	7	8	2-Display of attendance on Notice Board , 2 to 6 tentavtive TE & BE In sem Exam 3-Letters to parents 5-Teachers Day , 7-Ganesh Chaturdashi ,
	9	10	11	12	13	14	15	13-14 Workshop SE/TE/BE 15-Engineers Day 13-Industrial Visit
	16	17	18	19	20	21	22	16-Eid,17-Anant Chaturdashi
	23	24	25	26	27	28	29	23-27 Unit Test-I SE
	30							30- No Iron Day , 30 to 12 Value Added Course SE/TE/BE
Oct-24		1	2	3	4	5	6	1 -Display of attendance on Notice Board, 2-Gandhi Jayanti, 3-Letters to parents,5-Parents Meet , 30-7 TE,BE (Unit 3 &4)
	7	8	9	10	11	12	13	7-Karmaveer Dr. Vasantrao M. Pawar Punythithi , 12-Dashera
	14	15	16	17	18	19	20	18-19 Real-time assignment (SE to BE)
	21	22	23	24	25	26	27	21-Display of final detention list and letters to parents, 22-End Semester feedback, **25-Conclusion of Teaching**
	28	29	30	31				28- Last day of term work Submission, 30- No Iron Day, 31-Narak Chaturdashi , 31 to 6 Diwali Vacation
Nov-24					1	2	3	1-Diwali (Lakshami Pujan), 2-Balipratipada, 3- Bahu-Bij
	4	5	6	7	8	9	10	
	11	12	13	14	15	16	17	15-Gurunanak Jayanti
	18	19	20	21	22	23	24	19- Tentative Commencement of END Sem Examination
	25	26	27	28	29	30		26-Alandi Yatra, 30- No Iron Day
Dec-24							1	
	2	3	4	5	6	7	8	
	9	10	11	12	13	14	15	
	16	17	18	19	20	21	22	
	23	24	25	26	27	28	29	25-Crismas
	30	31	1					31- No Iron Day,1-Jan 2025 Commencement of II sem.AY 2024-2025

(PREPARED BY: Ms. T. S. Pawar)

COLOUR INDEX

	COMMENCEMENT & CONCLUSION OF TEACHING of SEM-I SE,TE & BE		DISPLAY OF ATTENDANCE
	UNIT TEST		KARMAVEER DR.VASANTRAO N. PAWAR PUNYATITHI
	HOLIDAY		SAMAJ DIN
	WORKSHOP		PARENT MEET

Note :- SE, TE & BE Completion of term work assessment & Exam are as per University Shedule

Dr. S. A. TALEKAR
HOD

Dr. S. R. DEVANE
Principal

15.16.3 Academic Time Table with the name of the Faculty members handling the Course

Karmaveer Adv. Baburao Ganpatrao Thakare College of Engineering, Nashik

DEPARTMENT OF CIVIL ENGINEERING

Department wise Time Table for the Academic Year 2022-23 (Semester-II) Ver. 02

15.16.4 Teaching Load of each Faculty

15.16.5 Internal Continuous Evaluation System and place

15.16.6 Student's assessment of Faculty, System in place

15.17 For each Post Graduate Courses give the following:

15.17.1 Title of the Course: - Construction Management

15.17.2 Curricula and Syllabi :- Revised Syllabus M.E. Civil (Construction and Managment) 2017_3-5-17.pdf (unipune.ac.in)

15.17.3 Laboratory facilities exclusive to the Post Graduate Course: -

   i.   Computer Lab.

  ii.   Research Lab.

15.18.1.1   Special Purpose

15.18.1.2   Software, all design tools in case: -

   i.   Primavera Enterprise Project Portfolio, Primavera Contractor 6.x standalone

  ii.   HIT Office construction ERP

15.18.2 Academic Calendar and framework:

Savitribai Phule Pune University

Revised Circular No. 68 of 2025
Revised Dates of Commencement and Conclusion of the Academic Year 2024-25 for Affiliated Colleges and Institutes.

It is hereby informed that, the dates of commencement and conclusion of the First and Second term of Courses, under the faculty of **Science & Technology**, for the academic year 2024-25 shall be as under:

Term – I

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	Science	20-06-2024	11-10-2024	21-10-2024	21-10-2024	18-11-2024
2	B.E.: II/ III/ IV					
3	M.E.: II					
4	B.Arch.: II/ III/ IV/ V					
5	M.Arch.:II	01-07-2024	25-10-2024	19-11-2024	05-11-2024	03-12-2024
6	B.Pharm: II/ III/ IV					
7	M. Pharm: II					
8	MCA II					

Term – II

Sr. No.	Course, Programme, Year	Commencement	Conclusion	Tentative Commencement Exam	Vacation	
					From	To
1	Science	19-11-2024	30-04-2025	09-04-2025	01-05-2025	14-06-2025
2	B.E.: II/ III/ IV					
3	M.E.: II					
4	B.Arch.: II/ III/ IV/ V					
5	M.Arch.:II	01-01-2025	26-04-2025	13-05-2025	17-05-2025	30-06-2025
6	B.Pharm: II/ III/ IV					
7	M. Pharm: II					
8	MCA II					

NOTE :

1. The dates of commencement and conclusion of the all those courses whose admission is made under Common Entrance Test (CET) conducted by Government of Maharashtra / Savitribai Phule Pune University will be declared separately.

2. In case, the Head of the college requires to give additional holidays in exceptional circumstances, he/she may do so by compensating the same by keeping the college working on holidays.

Ref. No. PGS/698
Date: 18|03|2025

(Dr. M. V. Rasve)
Deputy Registrar

Copy to: for Information and necessary action

The Members of the Management Council.

The Deans of Faculties.

The Registrar.

The Director, Board of Examinations & Evaluation

The Principals of all Affiliated Colleges.

The Directors of all Recognized Institutes.

The Heads of all the Administrative Sections of the University Office.

Office of the Hon. Vice-Chancellor.

Office of the Hon. Pro-Vice-Chancellor.

Time table for ME (Construction Management) Ay 2024-25 (Semester-II)

MARATHA VIDYA PRASARAK SAMAJ'S
Karmaveer Adv. Baburao Ganpatrao Thakare
**College of Engineering, Nashik**

Department of Civil Engineering
Department wise Time Table for the Academic Year 2022 - 23
(Semester-II) Ver.01 WEF: 20th March 2023

Session	HR	DAY / TIME	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
I	1	10:00 To 11:00	OR (MCA)	PEFM (MBM)	Ele II (PDN)	CCAM (PDA)	Ele II (PDN)	OR (MCA)
	2	11:00 To 12:00	CCAM (PDA)	Ele II (PDN)	OR (MCA)	PEFM (MBM)	LP II (PDN)	SEM I
		12:00 To 12:45	Lunch Break					
II	3	12:45 To 1:45	Ele II (PDN)	CCAM (PDA)	PEFM (MBM)	Ele II (PDN)	CCAM (PDA)	SEM I
	4	1:45 To 2:45	PEFM (MBM)	LP II (PDN)	LP II (PDN)	LP II (PDN)	OR (MCA)	SEM I

ME
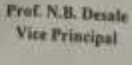
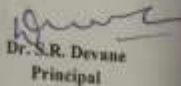| Staff Initial	Name of Staff	Subject code	Name of Subject with Code
PDA	Mr. P.D. Aher	CCAM (501027)	Construction Contracts Administration and Management
MBM	Ms. M.B Murkute	PEFM (501028)	Project Economics and Financial Management
MCA	Mrs. M.C. Aher	OR (501029)	Operations Research
PDN	Dr. P.D.Nemade	ELE II (501030)	Elective II
PDN	Dr. P.D.Nemade	LP II (501031)	Lab Practice II
PDA	Mr. P.D. Aher	Class Co-ordinator	

Ms. M. B. Murkute
Time Table Incharge

Mrs. M.C. Aher
PG Co-ordinator

Dr. P. D. Nemade
Head of Department

Dr. U. V. Patil
Dean (Academics)

Prof. N.B. Desale
Vice Principal

Dr. S.R. Devane
Principal

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16. Enrollment of students in the last 3 years:

Sr. No.	Name of the Programme	A.Y. 2024-25	A.Y. 2023-24	A.Y. 2022-23
1	Mechanical Engineering	125	135	130
2	Computer Engineering	132	138	68
3	Instrumentation and Control Engineering	60	43	39
4	Electronics & Telecom. Engineering	67	66	68
5	Civil Engineering	65	60	68
6	Information Technology	138	138	68
7	AI&DS	69	68	NA
8	Electrical Engg	65	NA	NA
9	M.B.A.	131	130	68
10	Master of Civil Engineering	18	7	10
11	Master of Mechanical Engineering		1	10
12	Master of Computer Engineering	05	-	-

17. List of Research Projects/ Consultancy Works:

17.1 Number of Projects carried out, funding agency, Grant received:

	Number of Projects carried out, funding agency, Grant received			
Sr. No	Name of the Progrmme	Number of Projects carried out	funding agency	Grant received
1	Mechanical Engineering	2	AICTE and Indian Air Force	1775500 248407
2	Computer Engineering	NIL	NIL	NIL
3	Instrumentation and Control Engineering	NIL	NIL	NIL

4	Electronics & Telecom. Engineering	NIL	NIL	NIL
5	Civil Engineering	NIL	NIL	NIL
6	AI&DS	NIL	NIL	NIL
7	Electrical Engg	NIL	NIL	NIL
8	Information Technology			
9	M.B.A.			
10	Master of Civil Engineering			
11	Master of Mechanical Engineering			
12	Master of Computer Engineering			

Consultancy Work:

Sr. No.	Name of the Progrmamme	A.Y. 2024-25	A.Y. 2023-24	A.Y. 2022-23
1	Mechanical Engineering	-	-	20,23,907/-
2	Computer Engineering	-	-	-
3	Instrumentation and Control Engineering	-	-	-
4	Electronics & Telecom. Engineering	-	-	-
5	Civil Engineering	Rs. 833939/-	Rs. 599859/-	Rs. 906176/-
6	Information Technology	-	-	-
7	M.B.A.	-	-	-
8	Master of Civil Engineering	-	-	-
9	Master of Mechanical Engineering	-	-	-

17.2 Publications (if any) out of research in last three years out of Masters projects:

Sr. No.	Department	A.Y. 2023-24	A.Y. 2022-23	A.Y. 2021-22
1	Mechanical Engineering			
2	Computer Engineering			
3	Instrumentation and Control Engineering			
4	Electronics & Telecom. Engineering			
5	Civil Engineering			
6	Information Technology			
	M.B.A.			
8	Master of Civil Engineering			
9	Master of Mechanical Engineering			

17.3 Industry Linkage:

17.4 MoUs with Industries (minimum 3):　　?

Name of the Company with whom MoU signed	
With industries	
1	Maharashtra Engineer Research Institute, Nashik
2	VGP Nirman, Nashik
3	Ultratech Cement
4	Rotten Grapes Pvt. Ltd., Nashik
5	Associated Civil Engineers and Surveyors, Nashik
6	OM E&P Consultant, Mumbai
7	Engineering Design Software & Services Private Ltd., Pune
8	Samarth Constro Consultant, LLP, Nashik
9	M/S. B. T. Kadlag Construction Pt. Ltd. Nashik
10	Civil India
Name of the Training Institute with whom MoU signed	
1	OM E&P Consultant, Mumbai
2	Engineering Design Software & Services Private Ltd., Pune
3	Albedo Foundation, Nashik

Department MoUs with Industries

Department	Name of the Company with whom MoU signed	
Mechanical Engineering	1	Engineering Design Software & Services Private Ltd., Pune
	2	Engineering Design Software & Services Private Ltd., Pune
	3	Engineering Design Software & Services Private Ltd., Pune
	4	Engineering Design Software & Services Private Ltd., Pune

	5	Engineering Design Software & Services Private Ltd., Pune
	6	Engineering Design Software & Services Private Ltd., Pune
Computer Engineering	1	Engineering Design Software & Services Private Ltd., Pune
	2	Engineering Design Software & Services Private Ltd., Pune
	3	Engineering Design Software & Services Private Ltd., Pune
Instrumentation and Control Engineering	1	Engineering Design Software & Services Private Ltd., Pune
	2	Engineering Design Software & Services Private Ltd., Pune
	3	Engineering Design Software & Services Private Ltd., Pune
Electronics & Telecom. Engineering	1	Engineering Design Software & Services Private Ltd., Pune
	2	Engineering Design Software & Services Private Ltd., Pune
	3	Engineering Design Software & Services Private Ltd., Pune
	4	Engineering Design Software & Services Private Ltd., Pune
Civil Engineering	1	Maharashtra Engineer Research Institute, Nashik
	2	VGP Nirman, Nashik
	3	Ultratech Cement, Nashik
	4	Rotten Grapes Pvt. Ltd., Nashik
	5	Associated Civil Engineers and Surveyors, Nashik
	6	OM E&P Consultant, Mumbai
	7	Engineering Design Software & Services Private Ltd., Pune
	8	Samarth Constro Consultant, LLP, Nashik
	9	M/S. B. T. Kadlag Construction Pt. Ltd. Nashik
	10	Civil India, Nashik

MBA	1	
Master of Civil Engineering	1	Engineering Design Software & Services Private Ltd., Pune
Master of Mechanical Engineering		Engineering Design Software & Services Private Ltd., Pune

18. LoA and Subsequent EoA till the current Academic year ?

College website link: https://kbtcoe.org/naac-3/aicte-approval-letters/

19. Accounted audited statement for the last three years ?

20. Best Practices adopted, if Any ?

Best practices in department:

a) Involvement of Students in Field and Consultancy Work

b) Appreciation of Faculty Members based on Students Feedback

c) Innovative Teaching Practices: Model Making, Enquiry Based Learning, Real World Assignment.

d) Software training for Students: AutoCAD, STADPRO

e) Rain Water Harvesting, Waste Water Treatment (Recycle and Reuse)

Also, numerous innovative teaching methods and practices are used by faculties viz. LBD activity, learning by demonstration, simulations etc.

Sr. No	Staff Name	Innovative Methodologies
1	Mrs. R. R. Tajanpure	1. Project Test Case Writing 2. Scratch to Model
2	Ms. T. S. Pawar	1. Evidence-Based Learning 2. Creative Problem Solving
3	Mrs. B. A. Ahire	1. Think-Pair-Share Method 2. Collaborative Problem Solving
4	Mr. D. A. Birari	1. Group Discussion
5	Ms. N. R. Kakad	1. Presentation 2. Laboratory-Based Concept Learning

6	Dr. V. R. Sonawane	1. Literature Review 2. Case Study 3. Think-Pair-Share
7	Ms. J. R. Suryavanshi	1. Build & Simulate
8	Mr. D. R. Gatne	1. J-Flap Tool

Few faculties have their own websites where the instructional material, videos etc of the subjects is uploaded.

Sr. No.	Name of Faculty	Website
1	Dr. S. A. Talekar	https://sopantalekar.wordpress.com
2	Dr. V. R. Sonawane	https://vijaysonawane11.wixsite.com/vijaysonawane
3	Dr. R. R. Tajanpure	https://rupalit.wordpress.com
4	Dr. J. R. Suryavanshi	https://jrskbt.wordpress.com
5	Dr. S. P. Jadhav	https://spjadhav.wordpress.com
6	Ms. D. R. Gatne	https://deeptigatne.home.blog
7	Ms. T. S. Pawar	https://pawartejaswini.wordpress.com
8	Mr. Nitin S. Ujgare	https://sites.google.com/site/nitinujgare
9	Mrs. B. A. Ahire	https://bahire4584.wixsite.com/bhawanaahire
10	Mr. Dhiraj A. Birari	https://dhirajbirari2019.wixsite.com/itengg
11	Ms. Ankita P. Shinde	https://ankitaraut.wordpress.com

Faculties use google classroom, and other for sharing course materials, test material and assessment details.