



MECH NEWSLETTER

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

Department Of Mechanical Engineering

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Mech Newsletter

Mechanical News Letter: Dec 2022 Vol: 6 Issue: 1

Department of Mechanical Engineering is established in year 1999. Department offers Bachelor of Engineering degree with an intake of 120 students and Post Graduate degree in Design Engineering with an intake of 24 students, which has been affiliated to Savitribai Phule Pune University, Pune. We have well qualified and dedicated staff and is known for its high academic standard, well-maintained discipline and complete infrastructure facilities. The dedication and hard work of the staff members have given fruitful results with our students securing ranks at University examination consistently. Many MoUs are signed with various industries offering opportunity to the students to work on live industry projects. We have received grant from government of India, BCUD, SPPU, etc. for research work and various workshops. Our students are excellent at National level and State level project competition like Avishkar. There are 13 laboratories in the department. A separate CAD/CAM/CAE laboratory has been developed with various softwares such as CATIA, CREO, ANSYS, Pro-ENGINEER, AutoCAD, MATLAB etc. We also conduct various certificate courses like Post Graduate

Diploma in Computer Aided Product Design for the students as per the needs of the industry. The Department also has a well-established workshop for training in Smithy, Carpentry, Welding, Fitting and Machine tools. The department has a departmental association MESA and Students' chapter SAE which organizes National level competitions. The department organizes various Industrial visits, Seminars and Workshops for students. SAE –INDIA Collegiate club is also formulated under which students of all departments are enthusiastically taking part in making the SAE INDIA vehicle.

The purpose of this Newsletter is to inform the student-Staff fraternity of Nashik & society at large of the news, including relevant announcements & update that we believe are important to them. However, this newsletter is also a valuable tool for bolstering morale, promoting unity, team spirit, motivating & rewarding achievements of KBTCE, Nashik. This college News-Letter has started from January 2017 and to be published every semester.

Vision of the Institute

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 of the Institute

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 to the development of society.

Vision of the Department

To be the centre for excellence and centre 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 the Department

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 Educational Objectives

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 career and professionalism among the students.

PEO3: To improve and expand technical and professional skills of students through effective teaching-learning and industry interaction.

Program Specific Outcomes

PSO1: Ability to design, analysis and problem solving skills using basic principle of mechanical engineering.

PSO2: Ability to impart technical and professional skills through industry institute interaction.

PSO3: Develop practical skills for the benefits of society

1. Training & Placement

Name of the Event

Placement of Students

Following students of Mechanical Engineering have been placed in “JNK Heaters Pvt. Ltd.” with an annual CTC of 4 LPA.

1. Mr. Avhad Prasad Santosh
2. Mr. Ranade Aditya Shivaji
3. Mr. Bhalekar Yash Kiran

Following students of Mechanical Engineering have been placed in “Kyte Energy Pvt.Ltd” with an annual CTC of 2.5 LPA.

1. Mr. Patel Jinay Mahesh
2. Mr. Bhalekar Yash Kiran

Following students of Mechanical Engineering have been placed in “Mahindra Sona” with an annual CTC of 3 LPA.

1. Ms. Shinde Ujwala Mahesh
2. Ms. Chaudhari Anuja Nitin
3. Mr. Ranade Aditya Shivaji

Following students of Mechanical Engineering have been placed in “Bosch ltd.” with CTC 3 LPA.

1. Mr. Bhalekar Yash Kiran
2. Mr. Zope Akshay Sanjay

Following student of Mechanical Engineering have been placed in “Epiroc Pvt.Ltd” with CTC 2.2 LPA.

1. Ms.Aher Prerana Bhausaheb
2. Ms. Shingote Pragati Ramnath

Following student of Mechanical Engineering have been placed in “Trikaya Coating Pvt.Ltd.” with CTC 1.9 LPA.

1. Mr. Harak Sushant Arun

Following student of Mechanical Engineering have been placed in “HiveMinds.” with CTC 3 LPA.

1. Mr. Vaibhav Kirtiwar
2. Mr. Saurabh Jadhav
3. Mr. Ankit Sonawane
4. Mr. Alok Pagare
5. Mr. Himanshu Potdar
6. Mr. Vivek Zade
7. Mr. Suyash Sonawane
8. Mr. Atharva Deshmukh

Name of the Event

One day training Program on “Management Development” for Faculties of Mechanical Engineering department.

Date.: - 16th July 2022 & 18th July 2022

Faculties of Mechanical engineering department completed one day MDP at Chanakya Agro Farms, Nashik. Renowned

Corporate Trainer Mrs. Arya Hycinth conducted training session. Highlighted points of program were related to Self-awareness and self-management, managing teaching learning dynamics with leadership, Effective communication, Presentation and problem-solving skills etc; Various group activities were performed by faculties during program.

Name of the Event

Hands on training session on “Website Design and Development”

Date.: - 07th October 2022

Time: - 3:00 pm

Training on “Website Design and Development” for all faculty members of Mechanical Engineering Department was organized in the Departmental CAD/CAM lab on 07th October 2021. Dr. Sopan Talekar, Assistant Professor (MVPS’s KBTCOE) was invited as experts for this training session. Head of Dept. Dr. V. C. Shewale Supported for conducting training session. Dr. Sopan Talekar in his presentation explained the different steps involved in design and development of website. All faculty members prepared their own website for uploading notes and important data related to academics. Principal Dr. S.R. Devane and Vice-Principal Prof. N.B.Desale

sir motivated for conduction of training session.



2. Industrial Visit

Name of the Event

Industrial Visit to Narang Cold Storage.

Date.: - 24th & 25th August 2022

Time: - 10:00 am

Narang group are contributing their best to bridge the gap between the demand and supply and serve the society & our country. Being one of the largest providers of complete cold chain services in Central India, all sections of business models are catered by Narang group. From farm to fork there are lot of members & levels of the society involved to make it possible. Final year Mechanical Engg. students, 177 in number have visited the plant under the subject Heating, Ventilation, Air conditioning and Refrigeration in which

they learnt about the working of cold storage plant.



Name of the Event

Industrial Visit of B.E. Mechanical Div. A & B is organized at Seva Automotive Private Limited, A-23, MIDC, NICE Area, Opp. Prakash Bakery, Satpur, Nashik -422 007.

Date:- Div(A) 30th August 2022

Div(B) 02nd September 2022

Time:- 10:00am

Final year students of the Mechanical Department visited to the Seva automotive to understand the practical aspect of the subject Dynamics of Machinery. Subject teachers Dr S.P. Mogal & Mr. D.V. Kushare guided the students of B.E. (A) & (B) division through the visit. During the visit students understand the procedure for balancing and alignment of automobile wheel.



Name of the Event

Visit to NMC's pumping station at Water Treatment Plant, Vilholi.

Date:- 12th October 2022

Time:- 10am – 3pm

As per syllabus of Savitribai Phule Pune University, students need to visit a pumping station. Students of Final Year BE (Mechanical) program visited Nashik Municipal Corporation's pumping station at Water Treatment Plant, Vilholi having capacity 137 MLD. The objective of the visit was to help student understand practical aspects of pumping system such as construction, working and control. Course teacher Dr. S. P. Awate and Mr. R. S. Thakare guided the students



Name of the Event

Industrial Visit of B.E. Mechanical at Karanjwan Hydro Power Plant.

Date:- 19th October 2022

Time:- 10:00 am

Final year students of the department visited, Karanjwan Hydro Power Plant, Tal:- Dindori, Dist.: - Nashik for the practical subject knowledge of Turbo Machines. Students observed practical aspects of working of hydropower plant as well as different components of Francis Turbine like



teacher Mr. R. S. Thakare guided the students through the visit along with Mr. N. P. Magar.

Name of the Event

Industrial Visit of T.E. Mechanical Div. A & B is organized at Stramma Summit Machinery Pvt Ltd, F-93 Ambad MIDC, Nashik.

Date:- Div(A) 15th November 2022

Div(B) 16th November 2022

Time:- 10:00am

Third year students of the Mechanical Department visited to the Stramma Summit Machinery Pvt Ltd to understand the practical aspect of the subject Mechatronics. Subject teachers Mr.Y.B.Chaudhari & Mr. V.V.Shinde along with Technical Assistant Mr. N.V. Kadam guided the students of T.E. (A) & (B) division through the visit. Mrs. Sanika Mahadeokar (Managing Director) guided students about PLC and different types of Industrial Equipment's used in automation of machineries' During the visit students understand Working principles, types of PLC's ,Different types of controllers and their working.



Name of the Event

Visit to Omkar Engineering Works at Heat Treatment Plant, Satpur.

Date:- 30th November 2022

Time:- 10:00 am – 05:00 pm

As per syllabus of Savitribai Phule Pune University, students need to visit a manufacturing unit. Students of Second Year SE (Mechanical) program visited Omkar Engineering Works at Heat Treatment Plant, Satpur. The objective of the visit was to help student understand practical aspects of heat treatment such as hardening, normalizing. During visit students also aware about advance manufacturing process with actuators and other electrical appliances. Course teacher Mr. N. S. Gaikwad and Mr. Y. S. Bhavsar guided the students during the visit along with Mr. A. S. Mogal and Mr. A. A. Kadam.



3. Expert Talk/ Webinar

Name of the Event

Expert Lecture on “Prime Movers (Electric Motor)”

Date.: - 10th September 2022

Time.: - 03:00 pm

An Expert Lecture on “Prime Movers” for Third year Mechanical Engineering Students was organized in the Department of Mechanical Engineering on 10th September 2021. Mr. Prasad Joshi, Assistant Professor (MVPS’s KBTCOE) was invited as experts for this Expert Lecture. Mr. D.D.Kulkarni welcomes the guest. Head of Dept. Dr. V. C. Shewale Supported for conducting Expert Lecture. Mr. Prasad Joshi in his presentation explained the different Aspects of Prime Movers. He also explained the application details of electric motors followed in industries. He answered to all the queries of the students related to Prime Movers. Principal Dr. S.R. Devane and Vice-

Principal Prof. N.B.Desale sir motivated for conduction of Expert lecture.



Name of the Event

Webinar on “Career Guidance for Mechanical Engineers”

Date.: - 15th September 2022

Time.: - 11:00 AM

A seminar on “Career Guidance for Mechanical Engineers” was conducted in the Department of Mechanical Engineering on 15th sep. 2022 in which our alumni Mr.Pushkaraj Salunke of 2018 batch explained the importance of design software for successful career in the field of Mechanical Engineering. He also gave the tips and steps to be followed for to achieve their goal to our students. He also interacted with the students and answered to the queries of the students regarding the entrepreneurship and design software. Dean Alumni, Dr. A. B. Kakade felicitated Mr. Pushkaraj Salunke. All staff and students of the department were present for the

programme. Prof. S. J. Suryawanshi gave vote of thanks.



Name of the Event

Seminar on “Preparation of Competitive Exams”

Date – 21st October 2022

Time – 11:00 AM

A seminar on “Preparation of Competitive Exams” was conducted in the Department of Mechanical Engineering on 21st sep. 2022 in which our alumni Mr.Shubham Ekhande of 2019 batch explained the importance of Preparation of Competitive Exams and their Syllabus for successful career in the field of Government Sector. He also gave the tips and steps to be followed for to achieve their goal to our students. He also interacted with the students and answered to the queries of the students regarding the how to study for Competitive Exams with Engineering Academics. Dr. V. C. Shewale Supported for conducting training session. Principal

Dr. S.R. Devane and Vice-Principal Prof. N.B.Desale sir motivated for conduction of training session.Prof. S. J. Suryawanshi gave vote of thanks.



Name of the Event

Technical Session on “Compressors”

Date.: - 10th November 2022

Time.: - 12.15 pm – 1.15 pm

A technical session on “Compressors” was organized in the Department of Mechanical Engineering on 10th Nov. 2022. Mr. Ashfaque Kagdi, Nashik ISHRAE Chapter was invited as a speaker for this session. In this session, he explained the various technical aspects of compressors. He also appealed to all the students for becoming an ISHRAE student member which will definitely help them in building their career profile as there are vast opportunities in this emerging field. He answered to the queries of all the students about ISHRAE. Principal Dr. S.R. Devane and Vice-Principal Prof. N.B.Desale sir motivated for conduction of Expert session.



4. Technical Activities

Name of the Event

SAE SUPRA 2022

Date – 22nd to 26th August 2022

“SUPRA 2022” was organized by SAEINDIA on 22st to 26th August 2022.

Team Toraccel of Mechanical Engineering Department participated in Supra 2022 competition. The competition was held at Budha International Circuit, Greater NOIDA, Uttar Pradesh. India's biggest formula student competition was kicked off with the Oath ceremony at the Formula 1 track. Following event took place during SUPRA 2022.

Static Events Includes:

- Marketing Presentation
- Engineering Design
- Cost Evaluation

Dynamic Events Includes:

- Acceleration Event
- Skid-Pad Event
- Autocross Event
- Endurance

Team Toraccel of our institute secured 33rd All India rank during event. Education officer Dr. S J. Kokate, Principal Dr. S. R. Devane & Vice-Principal Prof. N.B. Desale

congratulated all students for successful participation. Dr. V. C. Shewale, H.O.D. (Mech), Mr. P. S. Tile & Mr. R. S. Thakare (Departmental SAE Coordinator) motivated students for participation in event.



Name of the Event

ISHRAE Student Chapter Installation Ceremony

Date.: - 10th November 2022

ISHRAE Student Chapter Installation Ceremony of our Institute namely MVPS'S KBT College of Engineering was carried out at Dept. of Mechanical Engineering on 10th Nov. 2022. The ISHRAE installation ceremony is about taking oaths and assigning the duties to the members. Mr. Govind Nair, President Elect, Mr. Rauf Shaikh, Presiding Officer, Mr. Pravin

Kamale, Student activity chair, Mr. Amar Grover, Member, Ishrae Nashik Chapter. Mr. Keshav Ashtekar, Member, Ishrae Nashik Chapter were the chief guest for the ceremony. Dr. V. C. Shewale, Head Mechanical Engineering Dept. during his speech mentioned about various ISHRAE student activities as well as benefits of the ISHRAE Student Chapter for student as well as institute. Mr. Govind Nair during his speech mentioned the importance of Ishrae membership to all the students. Mr. Rauf Shaikh gave oath to all the student committee members President Vaibhav Kushare, President Elect. Mr. Vishal Aher, Secretary Mr. Umesh Jadhav, Treasurer Mr. Ankit Sonawane and CWC members Mr. Ukarsh Malve, Mr. Bhushan Malsane, Mr. Gaurav Patil. He also guided the students about all the student activities run under Ishrae student chapter and appealed all the students to take the benefit of all the activities carried out under Ishrae student chapter. Vote of thanks was given by President Vaibhav Kushare of Ishrae student chapter. Principal Dr. S.R. Devane and Vice-Principal Prof. N.B.Desale sir motivated for conduction of the event.



5. Other Activities

Name of the Event

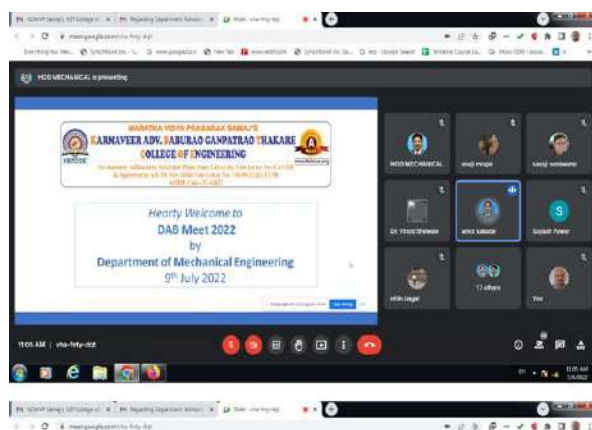
Department Advisory Board Meeting

Date – 09th July 2022

Time – 11:00 AM IST

Department Advisory Board meeting of Mechanical Engineering for 2nd semester of academic year 2021-22 held on 9th July 2022 (Saturday) at 11.00 A.M. by using online mode. HOD Dr. V. C. Shewale, NBA Coordinator Dr A. B. Kakade, Industry-Institute Interaction Cell Coordinator Dr. S. Y. Pawar, Industry representatives Mr. Sayaji Sonawane, Academic representative Dr.K.V.Chndratre ,Mr. Vinod Patil, Mr. Amil Bal, Parent Representative Mr. Deepak Kapure, Student Representative Aditya Ranade along with all faculty members were present for the meeting. In this meeting head of the department presented the activities of the department during the

second semester of academic year 2021-22. NBA coordinator briefed about the actions taken by the department as per instructions from DAB members in the last DAB meet. Further in the meeting Self learning abilities of the students, FDP/Workshops for faculty members, Curriculum gap were discussed. Dr. S. Y. Pawar expressed vote of thanks.



Name of the Event

Induction program of TE & BE (Mechanical Engineering Students)

Date – 28th July 2022

Time – 10:30am to 12 noon

Induction program was organized for TE & BE students in order to acquaint the students with the various activities, planning and resources available in the department for the overall development of the students. Following sessions have been covered during induction program

1. Introduction to revised curriculum of TE & BE
2. Guidelines about final year Project.
3. Selection of Honor courses for TE
4. Selection of Audit course of TE students.

In this program, Head of Dept. Dr. V. C. Shewale informed about the objectives of the Induction program and informed all students about department academic policies. Mr. Y. B Chaudhary & Mr. V.V. Shinde during his speech mentioned about the revised curriculum of third year and final year engineering. Dr. S. B. Sonawane. and Mr. P. S. Tile mentioned about honor courses and Audit courses for students of TE & BE respectively. Dr. A. A. Kapse guided final year students about details of project selection and explained its execution process. Mr. S.J. Suryavanshi welcomed all the guest and proposed vote of thanks.



Name of the Event

Teacher's day

Teacher's day was celebrated on 5th Sep 2022 at Mechanical 'B' Building seminar hall. All teaching & non-teaching staff were felicitated by students of Mechanical department. HOD Dr. V.C.Shewale and MSEA coordinator Prof. Y.B.Chaudhary guided all students on occasion of teacher's day.



Name of the Event

Two Days Workshop on “Financial Management”

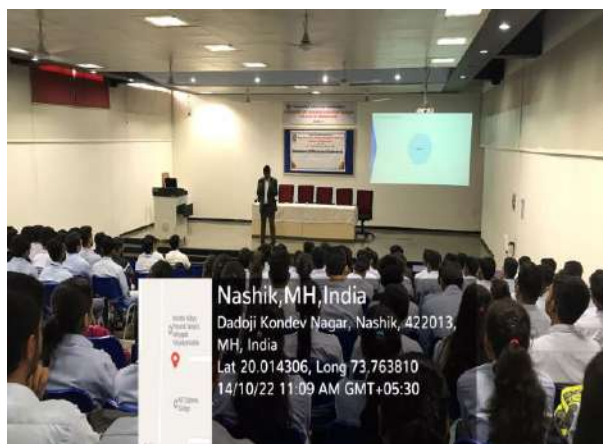
Date: - 14th & 15th October 2022

First Session: -10:30am to 12:00 Noon

Second Session: - 1:30pm to 3:00pm

Two days' workshop was organized by Department of Mechanical Engineering intends to impart knowledge about project

and budget planning Dr. D. D. Lokhande (Education Officer), Dr. S. R. Devane (Principal), Prof. N. B. Desale (Vice Principal), Dr. V. C. Shewale (HOD) and Mr. Rahul Jetithor (Branch Manager, Reliance Nippon life Insurance Co. Ltd., Nashik) inaugurated the workshop. Dr. S. R. Devane (Principal) addressed importance of such workshop for students. Prof. N. B. Desale (Vice Principal) shared his views regarding Financial Management. Dr. V. C. Shewale (Head of Department) and Dr. A. B. Kakade (coordinator) shared the details regarding topics to be covered in workshop. During workshop, sessions were conducted by Er. Nikhil Deore (Impact Innovation Coach, Digital Impact Square-TCS), Mrs. Vanita Talreja, Head Human Resources, (Digital Impact Square-TCS), Mr. Akshay Dixit, Founder of Vesatogo innovations and Dr. Devangi Deore (Expert in Financial and Performance Management). More than 150 participants were actively participated in the workshop and took benefit of same. Coordinator Dr. S. P. Mogal proposed vote of thanks.



Name of the Event

Parent meet held on 03/12/2022

Date: - 03rd December 2022

Time: - 10:30 am

Department of Mechanical Engineering organized Parents-teachers meet on 03rd December 2022. The purpose of the meeting was to have conversation with the parents on different points like activities conducted in the department during the semester, placement activities, examinations etc. The Meeting was conducted in seminar hall of Mechanical Engineering Department. The meet was attended by 54 parents of SE, TE and BE Mechanical class. For this meeting, Dr. S. R. Devane (Principal, MVPS'S KBT COE Nashik), Prof. N. B. Desale (Vice Principal), Dr. V. C. Shewale (HoD, Mech), all faculty and parents of the student were present for the meet.



Prof. M. S. Patil welcomed all the parents and dignitaries for the meeting. Dr. V. C. Shewale briefed about the activities conducted by the department in the last and current semester. Dr. S. R. Devane welcomed the parents and shared the plans of the institute. Prof N. B. Desale cleared all the doubts of parents. Dr. V. C. Shewale and all faculty members cleared the doubts of the parents and students during question

asked by the parents. Prof. M. S. Patil coordinated the activity and proposed the vote of thanks.



Name of the Event

Workshop on ‘Design Thinking’

Date: - 15th December 2022

As a part of Audit Course-III, workshop on Design Thinking was organized for second year students of Mechanical Engineering Department. As expected in curriculum students got insights about basic fundamental of Design Thinking and they executed projects with aspect of Design Thinking. HOD Dr. V. C. Shewale Supported for conducting workshop. Principal Dr. S.R. Devane and Vice-Principal Prof. N.B.Desale sir motivated for conduction of workshop. During this workshop students got guidance from Dr. A. A. Kapse, Mr. N. V. Lokare and Mr. R. S. Thakare.



Name of the Event

THREE DAYS ONLINE FDP ON “Applications of Computer Aided Engineering”

Date: - 19th & 21st December 2022

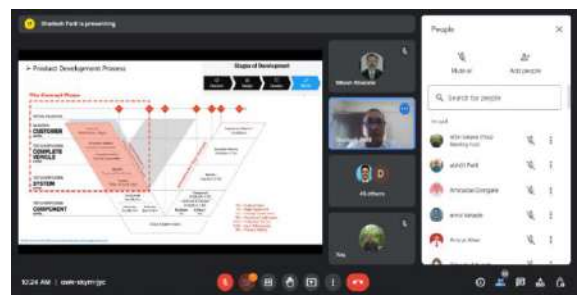
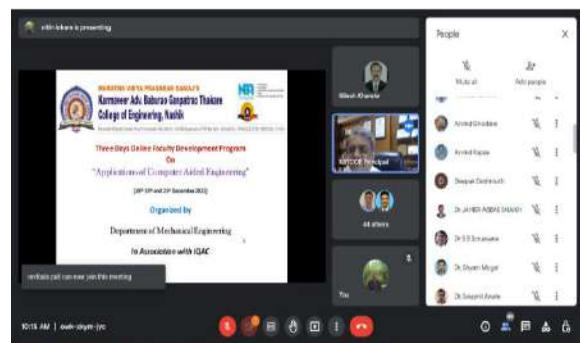
Time: - 10:00 am – 12:00 pm

A three day online faculty development program on “Applications of Computer Aided Engineering” was organized by Department of Mechanical Engineering during 19th – 21st Dec. 2022 with the major objective is to dissemination of knowledge in the field of Finite Element Analysis and Computational Fluid Dynamics among Faculty. Dr. V. C. Shewale during his speech welcomed all the participants for the FDP & appealed to all the participants to take the benefit from the sessions of the expert speakers of these three days online FDP. On this occasion Vice Principal Mr. N. B. Desale also expressed his views about importance of use of CAE. This FDP helps to faculty for their research work. Three resource persons were invited from renowned institutes. Dr. Hemant N. Warhatkar Professor, Dr. B. A. Technological University, Lonere, Maharashtra, delivered a session on “Finite Element Analysis”, Mr. Sushilkumar Jogdankar, Sr. Team Leader (Engineering Design Services) Onward Technology Ltd., Pune, Maharashtra, delivered a session on “Computational Fluid Dynamics”,

Mr. N.S. Gaikwad

Newsletter Coordinator

Mr. Himanshu Joshi, Specialist Engineer, Flow & Thermal Team, Eaton Technologies, Pune, Maharashtra, delivered a session on “Fluid Structural Interaction”. FDP was inaugurated at the hands of Chief Guest Mr. Shailesh Prabhakar Patil, Project Manager-CAE Durability in TATA MOTORS LTD. Engg. Research Center, Pune. 119 faculty members from various academic institutes have participated in this Faculty Development Program. This FDP was coordinated by Prof. N.K.Kharate and Prof. N.V. Lokare.



Dr.V.C.Shewale

Head of Department