



Session 2019-20



**From the Head of Department Desk
Dr. S. S. Ingole**

**NEWS LETTER
DEPARTMENT
OF
MECHANICAL ENGINEERING**

ABOUT DEPARTMENT:

The Department of Mechanical Engineering caters to its students with class tutorial and state-of-the-art laboratories.

The department is continuously striving to achieve excellence in education, academic and industry oriented research as well as consultancy work with service to the society.

**From the Head of Department Desk
Dr. S. S. Ingole**

VISION:

The Department of Mechanical Engineering is committed to produce competent engineering graduates through quality teaching learning process, research and industries, institute interaction so as to shoulder the responsibilities of nation building.




MISSION:

1. To develop conducive teaching learning environment for benefits of the students.
2. To develop mutually beneficial relationship with industries and understand the needs of industry.
3. To promote the faculties and students to actively participate in research activities.
4. To educate students about professional and ethical responsibilities and train them to inculcate leadership and entrepreneurship qualities for their career development.

PROGRAMS OFFERED:

B.E. Mechanical Engineering (60 Seats)

INSIDE ISSUES:

-  Students Activity
-  Student Achievements
-  Staff Achievements

Students Activity

Extra Curricular

| Sr. No. | Topic / Name of Activity | Speaker |
|---------|---|---|
| 01 | A Seminar on “Career Options & Opportunities Available Through GATE”. Conducted for : Third Year | Mr. Umesh Aaglawe, Director, GATEFORUM |
| 02 | A Seminar on “Introduction to All Terrain Vehicle-Manufacturing & Competitions”. Conducted for : Second Year | Team Immortal Sipnoids (Students of 3 rd & 4 th Yr. Mechanical Engg.) |
| 03 | A Seminar on “Communication, Team Work & Individual Work”. Conducted for : 2,3 & Final Yr. | Mr. Abhishek Darange, Mediator, Corporate trainer & Motivational Speaker, Amravati |
| 04 | A Seminar on “Career Opportunities after B.E. in M.B.A. & S.S.C.” Conducted for : Second & Third Year | Mr. Rohit Shrinivas, Director, Core Competitive Hub, Amravati |



Department of Mechanical Engineering



Guest Lectures

Department of Mechanical Engineering

| Sr. No. | Topic / Name of Activity | Speaker |
|---------|--|---|
| 01 | A Guest Lecture on “Engineering Thermodynamics & its Industrial Applications”. Conducted for : Second Year | Mr. Rahul Mule, Faculty, I.C.E. Gate Institute |
| 02 | A Guest Lecture on “Artificial Leaf Technology”. Conducted for : VII Sem. | Mr. Sameer Sathe, Amravati |
| 03 | A Guest Lecture on “Recent Trends in CAD Software & their Industrial Applications”. Conducted for : 2,3 & Final Yr. | Mr. Govind Somwanshi, Director, CAD Desk, Amravati |
| 04 | A Guest Lecture on “Introduction and Recent Trends in Robotics Technology”. Conducted for : 2, 3 & 4 year Mechanical Students | Prof. Shantipal S. Ohol, Associate Prof., Dept. of Mechanical Engineering, C.O.E.P. |
| 05 | A Seminar on “Electrical Vehicle”. Conducted for : Second Yr. | Mr. Abhishek Deshmukh, Center Head, Appolo Institute, Pune |
| 06 | A Seminar on “Design & Simulation”. Conducted for : Final Yr. | Mr. Abhishek Deshmukh, Center Head, Appolo Institute, Pune |



Department of Mechanical Engineering



Industrial Training

| Sr. No. | Name of the Industry | Number of Students participated |
|---------|--|---------------------------------|
| 01 | Jadhao Leland, MIDC, Amravati | 02 |
| 02 | Nexa Workshop, MIDC, Amravati | 06 |
| 03 | Ketan Hyundai Motors, Badnera Road, Amravati | 05 |
| 04 | Central Inst. of Tool Design | 04 |
| 05 | Jadhao Gears, MIDC, Amravati | 01 |
| 06 | ASPA Bandsons Auto Pvt. Ltd., MIDC, Amravati | 01 |
| 07 | Jaika Motors, Badnera Road, Amravati | 03 |
| 08 | Global Automation, Pune | 02 |

Industrial Visit

| Sr. No. | Name of the Industry | Number of Students participated |
|---------|--|---------------------------------|
| 01 | Jadhao Steels and Alloys, MIDC, Amravati | 33 |
| 02 | Amravati Metal Works, MIDC, Amravati | 33 |
| 03 | KEC International Ltd., Nagpur | 37 |

Department of Mechanical Engineering



Student Achievements

Participation in Events by Students

University Color-Coat Holders

| Sr. No. | Name of Student | Name of the Event |
|---------|----------------------|-------------------|
| 1 | Mr. Tushar Kamble | Badminton |
| 2 | Ms. Samruddhi Dahake | Rope Mallakhamb |



Participation in Technical Event

| Sr. No. | Name of the Event | Organized by | Number of Students participated | Achievement |
|---------|--|--|---------------------------------|---------------------------|
| 1 | Auto India Racing Championship (A.I.R.C.) – Season-4 | Ajeenkya D.Y Patil Univ., Pune, M.S. | 20 | Appreciation |
| 2 | Formula Kart Design Challenge (FKDC)– Season-4 | Fraternity of Mechanical & Automotive Engineers (FMAE), Coimbatore, T.N. | 20 | Winner of Aesthetic Event |



Placement

Department of Mechanical Engineering

| Sr. No. | Name of Student | Company Name | Designation | Package (Lakhs) |
|---------|---------------------------------|--|------------------------------|-----------------|
| 01 | Saurabh Dinkar Karande | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 02 | Mahadeo Dashrath Bathe | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 03 | Sachin Rajendra Virokar | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 04 | Ram Ganesh Kadam | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 05 | Sagar Janakrao Thakare | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 06 | Rushikesh Sanjay Nage | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 07 | Aditya Dilip Raurale | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 08 | Prajwal Pralhadrao Yede | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 09 | Rushikesh Anil Nilkhan | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 10 | Mahesh Madhukar Hirulkar | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 11 | Suraj Ramsingar Yadav | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 12 | Suraj Chandrabhanji Junghare | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 13 | Aniruddha Pradiprao Nakhale | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 14 | Vipul Vinod Badarkhe | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 15 | Harshal Shubhashrao Kajalkar | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 16 | Nitin Haridas Grespunje | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 17 | Tushar Arun Gudadhe | Polyrub Cooper Standard FTS Pvt. Ltd. | Graduate Engineer Trainee | 1.8 |
| 18 | Tushar Jadhao | Bajaj Electricals Ltd. | Graduate Engineer Trainee | 2 |
| 19 | Aniket Saratkar | Bajaj Electricals Ltd. | Graduate Engineer Trainee | 2 |

Staff Achievements

Publication in Journals

Department of Mechanical Engineering

| Sr. No. | Title of Paper | Name of Author | Name of Journal | Year of Publication |
|---------|--|--------------------|--|---------------------|
| 1 | Qualitative Analysis to Assess the Best Renewable Energy Scenario for Sustainable Energy Planning | Dr. S. S. Ingole | International Journal of Innovative Technology and Exploring Engineering | 2019 |
| | Statistical Analysis for Solving Quality Issue in Green Sand Casting | Dr. S. S. Ingole | International Journal of Research Culture Society | 2019 |
| | Forecast of femur bone skeleton with anatomical parameter of Indian population | Dr. S. S. Ingole | International Engineering Journal for Research & Development | 2019 |
| | Experimental Investigation on the Performance of Modified Evaporative Cooler | Dr. S. S. Ingole | TEST Engineering & Management | 2020 |
| | Hip implant: CAD modelling and static analysis | Dr. S. S. Ingole | Trends in Biomaterial & Artificial Organs | 2020 |
| 2 | Statistical Analysis for Solving Quality Issue in Green Sand Casting | Prof. S. S. Jamkar | International Journal of Research Culture Society | 2019 |
| | Qualitative Analysis to Assess the Best Renewable Energy Scenario for Sustainable Energy Planning | Prof. S. S. Jamkar | International Journal of Innovative Technology and Exploring Engineering | 2019 |
| | Experimental Investigation on the Performance of Modified Evaporative Cooler | Prof. S. S. Jamkar | TEST Engineering & Management | 2020 |
| | Optimization of Gating System for Reducing Defects in Elevator Part (Wheel) Using Autocast Software and Numerical Method | Prof. S. S. Jamkar | International Engineering Journal for Research & Development | 2019 |

Publication in Journals

| Sr. No. | Title of Paper | Name of Author | Name of Journal | Year of Publication |
|---------|---|----------------------|--|---------------------|
| 3 | Experimental Investigation on the Performance of Modified Evaporative Cooler | Prof. S. S. Kalmegh | TEST Engineering & Management | 2020 |
| | Statistical Analysis for Solving Quality Issue in Green Sand Casting | Prof. S. S. Kalmegh | International Journal of Research Culture Society | 2019 |
| | Qualitative Analysis to Assess the Best Renewable Energy Scenario for Sustainable Energy Planning | Prof. S. S. Kalmegh | International Journal of Innovative Technology and Exploring Engineering | 2019 |
| 4 | Forecast of femur bone skeleton with anatomical parameter of Indian population | Dr. G. D. Mandavgade | International Engineering Journal for Research & Development | 2019 |
| | Hip implant: CAD modelling and static analysis | Dr. G. D. Mandavgade | Trends in Biomaterial & Artificial Organs | 2020 |

STTP, FDP Attended

| Sr. No. | Name of the Faculty | Number of STTP attended | Number of FDP attended |
|---------|------------------------|-------------------------|------------------------|
| 1 | Dr. S. S. Ingole | 1 | 2 |
| 2 | Prof. S. H. Ingle | 1 | 3 |
| 3 | Prof. S. B. Malani | 1 | 2 |
| 4 | Prof. A. M. Wankhade | 2 | 2 |
| 5 | Prof. P. M. Kurwade | 3 | 4 |
| 6 | Prof. P. R. Jakhotiya | 3 | 3 |
| 7 | Prof. A. K. Anasane | 4 | 6 |
| 8 | Prof. A. S. Gadre | 2 | 4 |
| 9 | Prof. P. A. Ganthade | 2 | 10 |
| 10 | Prof. A. D. Bhandarkar | 5 | 4 |
| 11 | Prof. S. S. Jamkar | 6 | 17 |
| 12 | Prof. S. S. Kalmegh | 3 | 23 |
| 13 | Dr. G. D. Mandavgade | 1 | 1 |

Workshop Attended

Department of Mechanical Engineering

| Sr. No. | Name of the Faculty | Details of Workshop attended |
|---------|-----------------------|--|
| 1 | Prof. S. B. Malani | Six days Workshop on "Learning French Language Module(1)", from 21/05/2020 to 26/05/2020 Organized by "Sipna COET", Amravati (M.H.) |
| 2 | Prof. A. M. Wankhade | Six days Workshop on "Learning French Language Module(1)", from 21/05/2020 to 26/05/2020 Organized by "Sipna COET", Amravati (M.H.) |
| | | Two days Online workshop on " Basics of MATLAB and its Engineering Applications", from 21/05/2020 to 22/05/2020 Organized by PES's Modern College of Engineering, Pune (M.H.) |
| 3 | Prof. P. R. Jakhotiya | One Week Workshop on "Trends & Practices in Refrigeration & Air Conditioning", from 15/06/2020 to 20/06/2020 Organized by "ISHRAE Student Chapter, Deogiri Institute of Engineering & Management Studies", Aurangabad (M.H.) |
| 7 | Prof. A. K. Anasane | Six days Workshop on "Learning French Language Module(1)", from 21/05/2020 to 26/05/2020 Organized by "Sipna COET", Amravati (M.H.) |
| 5 | Prof. P. A. Ganthade | Six days Workshop on "Learning French Language Module(1)", from 21/05/2020 to 26/05/2020 Organized by "Sipna COET", Amravati (M.H.) |
| | | Three days International Technical Symposium on "Opportunities & Challenges in Industry 4.0", from 15/06/2020 to 17/06/2020 Organized by "MIT", Aurangabad (M.H.) |
| 6 | Prof. S. S. Jamkar | Three days Workshop on "Best Practices of Research Paper Writing", from 29/05/2020 to 31/05/2020, Organized by "Quad Editing Services", Delhi |
| | | One Week Workshop on "Trends & Practices in Refrigeration & Air Conditioning", from 15/06/2020 to 20/06/2020 Organized by "ISHRAE Student Chapter, Deogiri Institute of Engineering & Management Studies", Aurangabad (M.H.) |
| 7 | Prof. S. S. Kalmegh | Three days Workshop on "Best Practices of Research Paper Writing", from 29/05/2020 to 31/05/2020, Organized by "Quad Editing Services", Delhi |
| | | One Week Workshop on "Trends & Practices in Refrigeration & Air Conditioning", from 15/06/2020 to 20/06/2020 Organized by "ISHRAE Student Chapter, Deogiri Institute of Engineering & Management Studies", Aurangabad (M.H.) |

National/International Conference/ Symposium
Attended

Department of Mechanical Engineering

| Sr. No. | Name of the Faculty | Details of Conference / Symposium Attended |
|---------|----------------------|---|
| 1 | Dr. S. S. Ingole | Three days "International Conference on INDUSTRY 4.0 Innovations in Engineering", Technology & Management", from 29/11/2019 to 01/12/2019, "VYW's Prof. Ram Meghe Institute of Technology & Research", Badnera, Amravati (M.H.) |
| 2 | Prof. A. M. Wankhade | Three days "International Conference on INDUSTRY 4.0 Innovations in Engineering", Technology & Management", from 29/11/2019 to 01/12/2019, "VYW's Prof. Ram Meghe Institute of Technology & Research", Badnera, Amravati (M.H.) |
| 3 | Prof. P. M. Kurwade | Three days "International Conference on INDUSTRY 4.0 Innovations in Engineering", Technology & Management", from 29/11/2019 to 01/12/2019, "VYW's Prof. Ram Meghe Institute of Technology & Research", Badnera, Amravati (M.H.) |
| 4 | Prof. P. A. Ganthade | Three days "International Conference on INDUSTRY 4.0 Innovations in Engineering", Technology & Management", from 29/11/2019 to 01/12/2019, "VYW's Prof. Ram Meghe Institute of Technology & Research", Badnera, Amravati (M.H.) |
| 5 | Prof. S. S. Jamkar | Three days "International Conference on INDUSTRY 4.0 Innovations in Engineering", Technology & Management", from 29/11/2019 to 01/12/2019, "VYW's Prof. Ram Meghe Institute of Technology & Research", Badnera, Amravati (M.H.) |
| 6 | Prof. S. S. Kalmegh | Three days "International Conference on INDUSTRY 4.0 Innovations in Engineering", Technology & Management", from 29/11/2019 to 01/12/2019, "VYW's Prof. Ram Meghe Institute of Technology & Research", Badnera, Amravati (M.H.) |
| 7 | Dr. G. D. Mandavgade | Three days "International Conference on INDUSTRY 4.0 Innovations in Engineering", Technology & Management", from 29/11/2019 to 01/12/2019, "VYW's Prof. Ram Meghe Institute of Technology & Research", Badnera, Amravati (M.H.) |

About Institution

The Institute is accredited by IAO and Certified by ISO 9001:2015 (Quality Management System), ISO 14001:2015 (Environment Management System) & ISO 17025:2005. National Assessment & Accreditation Council (NAAC) accreditation is another feather in the cap for the institution and it has received an 'A' Grade. We are the first institute in Maharashtra to get accredited under the new scheme- 2018. Under the AICTE Margadarshan scheme, Sipna College of Engineering & Technology, Amravati is "A Mentee Institute" of College of Engineering, Pune (COEP). To enhance the Industry Institute Interaction and to build a strong rapport with Industry, Sipna C.O.E.T has got the membership of Confederation of Indian Industry (C.I.I), the most reputed Industry Organization. We are proud to say that Sipna C.O.E.T is the only Institute in Sant Gadge Baba Amravati University who is a member of C.I.I. C.I.I is a non- government, not- for- profit, industry-led and industry-managed organization, playing a proactive role in India's development process.



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