



Shram Sadhana Bombay Trust's
COLLEGE OF ENGINEERING & TECHNOLOGY, BAMBHORI, JALGAON

DEPARTMENT OF MECHANICAL ENGINEERING

GRAVITY

Volume VIII

Newsletter: Jan 2016 – Jun 2016



- Lush Green 25 Acre Wi-Fi Campus
- IEDC Cell
- 14000 sq. ft. AC library
- Separate Boy's & Girl's Hostel
- Nationalized Bank & ATM
- Hi-Tech Gym & Yoga Center
- Shram Sadhana Research Promotion Scheme

VISION

Today we carry the flame of quality education, knowledge and progressive technology for global societal development; tomorrow the flame will glow even brighter.

MISSION

To produce conducive environment for preparing competent, value added and patriotic engineers of integrity of par excellence to meet global standards for societal development.

DEPARTMENT VISION

To nurture the students by providing high quality broad based technical education for global societal development and continuous improvement in value added knowledge

DEPARTMENT MISSION




To cultivate a conducive environment through teaching, application specific learning and services to foster the technical critical thinking ability of the students as well as the faculties to contribute for developing global mechanical engineering professionals and well-being of the society.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- 1. Core Knowledge:** The mechanical engineering graduates will have the knowledge of basic science, engineering skills, humanities, social science, management, conceptual and practical understanding of core mechanical engineering area with project development.
- 2. Employment:** The mechanical engineering graduates will have the knowledge of Industry-based technical skills to succeed in entry level engineering position at various industries as well as in academics.
- 3. Professional Competency:** The mechanical engineering graduates will have the ability to communicate effectively in English, to accumulate and disseminate the knowledge and to work effectively in a team with a sense of social awareness



PROGRAM OUTCOMES (POS)

1. An ability to apply knowledge of computing, mathematics, science and engineering fundamentals appropriate to the discipline
2. An ability to analyze a problem, identify and formulate the mechanical engineering requirements appropriate to its solution
3. An ability to design, implement, process and component to meet desired needs with appropriate consideration for public health, safety, cultural, societal and environmental considerations
4. An ability to design and conduct experiments as well as to analyze and interpret data
5. An ability to use current techniques, skills, and modern tools necessary for mechanical engineering practice
6. An ability to analyze the local and global impact of mechanical engineering task on individuals, organizations and society
7. Knowledge of contemporary issues
8. An understanding of professional, ethical, legal, security, social issues and responsibilities
9. An ability to function effectively individually, on teams, including diverse and multidisciplinary, to accomplish a common goal
10. An ability to communicate effectively with a range of audiences
11. An understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects
12. Recognition of the need for and an ability to engage in continuing professional development

| SR. NO. | PHOTO | NAME OF FACULTY | RESPONSIBILITIES |
|----------------|---|------------------------|--|
| 1 |  | Dr. D. S. Deshmukh | Head of Department, Chairman-Industry Advisory Board Member, Career Guidance Cell |
| 2 |  | Dr. S. P. Shekhawat | Director of Academics |
| 3 |  | Er. N. K. Patil | Lab In-charge- MQC, ISTE Chairman, Co-coordinator AC Maintenance, Faculty Adviser-MESA Member-Career Guidance Cell |

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|----|---|----------------------|---|
| 4 |  | Mr. K.S. Shrivastava | PRO, Coordinator- Parents Meet, Lab Incharge-HTMT |
| 5 |  | Mr. M.V. Rawlani | Chairman-Cultural Committee, Faculty Adviser-MESA, Incharge-Dept. Library |
| 6 |  | Mr. P. G. Damle | Lab In charge- Model Lab, Coordinator-Shram Sadhna Scholarship, Member-Women's Grievances Committee. |
| 7 |  | Mr. D.B. Sadaphale | Lab In charge - Material Science, Library Committee Member, Admission Committee Member. |
| 8 |  | Mr. P.N. Ulhe | ME Co-ordinator, Lab Incharge - CAD/CAM Lab |
| 9 |  | Mr. P.M. Solanki | Departmental T & P Coordinator , Lab In charge- Comp. Lab, Class Teacher-BE-A, Member-Scholarship Comm. Member- Online Affiliation Committee |
| 10 |  | Mr. P.D. Patil | Lab In charge-Heat Power Lab, Member Alumni Meet Committee, Timetable In charge, ISE-Coordinator. |
| 11 |  | Mr. M.V. Kulkarni | Lab In charge- RAC, Class Teacher TE-B |

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|----|---|--------------------|--|
| 12 |  | Mr. A.R. Bhardwaj | Workshop Superintendent |
| 13 |  | Mr. D.C. Talele | Lab In charge-Tribology Lab., Member Timetable Committee Member website Committee. |
| 14 |  | Dr. P.P. Bornare | Lab In charge –Mechanical Vibration Lab, Class Teacher TE- A |
| 15 |  | Mr. C.K. Mukherjee | Asst. Professor |
| 16 |  | Mrs. J.R. Surange | Member-Cultural Committee, Member-Parents Meet Committee, Class Teacher SE-B, Member Yuvati Sabha (Students Redressal Committee) |
| 17 |  | Mr. A.V. Rajput | Departmental T & P Coordinator, In charge ROBOCLUB, Lab In charge - Automobile lab, Class Teacher SE-A |
| 18 |  | Mr. S. A. Rajput | Lab In charge- Mechatronics Lab, Class Teacher BE-B, |

| | | | |
|----|---|-----------------|-----------------|
| 19 |  | Mr. A. J. Puri | Asst. Professor |
| 20 |  | Mr. T. G. Patil | Asst. Professor |

DEPARTMENTAL EVENTS



Technovanza-16



Expert Lecture By Mr. Kabra



ROBOTRY-16



TREE PLANTATION

TOPPERS OF THE DEPARTMENT (DEC 2015-16)

| BE | | |
|------|----------------------|------|
| Rank | Student Name | CGPA |
| I | PATIL SUPRIYA S. | 9.09 |
| | SHAKIB ANWAR SK I. | 9.09 |
| | WANI SWARALI S. | 9.09 |
| II | MAHAJAN PRAFULLA S. | 8.83 |
| | PANJABI YASH R. | 8.83 |
| III | BHAMRE ANURAG P. | 8.78 |
| | BADGUJAR VAISHALI V. | 8.78 |
| | BANSAL AJAY V. | 8.78 |
| | BHADANE JAYESH R. | 8.78 |
| | | |

| TE | | |
|------|---------------------|------|
| Rank | Student Name | CGPA |
| I | THAKKAR ASHWIN P. | 9.22 |
| II | BHANGALE DARSHAN V. | 9.09 |
| III | PATIL AKASH S. | 8.96 |

| SE | | |
|------|--------------------|------|
| Rank | Student Name | CGPA |
| I | SHAIKH SOHAIL RAIS | 8.52 |
| II | PATIL HARSHAL B. | 8.48 |
| III | BORNARE GAURAV P. | 8.43 |
| | WAYKOLE ANIKET A. | 8.43 |

TRAINING & PLACEMENT CORNER (2015-2016)

| Sr. No. | Name of the Company | Package | Number of students placed |
|--------------|------------------------|---------|---------------------------|
| 1. | Capgemini | 3.15 | 2 |
| 2. | Shriram Group Pvt. Ltd | 2.16 | 4 |
| TOTAL | | | 6 |

STUDENT ACHIEVEMENTS – EXTRA CURRICULAR

| Sr. No | Student Name | Activity | Achievement |
|--------|----------------|----------|-------------|
| 1 | Ashwin Thakkar | TIE DAY | WINNER |

STUDENT ACHIEVEMENTS – CO-CURRICULAR GATE 2016

| Sr.No. | Name of Student | GATE SCORE |
|--------|-------------------|------------|
| 1 | VAISHALI BADGUJAR | 26.6 |
| 2 | PAWAN SOMWANSHI | 19.7 |

PAPER PRESENTATIONS

| S.N | Name of student | Event | Date Duration | Achievements |
|-----|------------------------|--------------|------------------|-------------------|
| 2 | Chaudhari Kiran Hemant | VISHWACON-16 | 19/03/16 | Best Presentation |
| 3 | Chaudari Rashmi Pramod | VISHWACON-16 | 19/03/16 | Best Presentation |

COMPETITIONS



ROBOCON-2016



MEGA ATV

FACULTY ACHIEVEMENTS

Journals:

1. Krunal Girase 1, Mr. Navneet Patil 2, Dr. Dheeraj Deshmukh3, “ Comparative Stress Analysis using Ansys Software for Different Tires Performance Evaluation” in PRATIBHA: INTERNATIONAL JOURNAL OF SCIENCE, SPIRITUALITY, BUSINESS AND TECHNOLOGY (IJSSBT), Vol. 3, No. 2, June 2015 ISSN (Print) 2277—7261, PN 83-86
2. P. P.Patil, 2Dr.D.S.Deshmukh. 1* Assi. Prof., Mech. Engg. Department, SGDCOE Jalgaon.MS India, “Design Considerations for Flat Plate Solar Water Heater System” in PRATIBHA: INTERNATIONAL JOURNAL OF SCIENCE, SPIRITUALITY, BUSINESS AND TECHNOLOGY (IJSSBT), Vol. 3, No. 2, June 2015 ISSN (Print) 2277—7261. PN 21-25
3. Dipak C. Talele1, Dr. Dheeraj S. Deshmukh2, Pradeep M, “Design Considerations for Thermoelectric Generator Performance Improvement: A Critical Review” , in PRATIBHA: INTERNATIONAL JOURNAL OF SCIENCE, SPIRITUALITY, BUSINESS AND TECHNOLOGY (IJSSBT), Vol. 3, No. 2, June 2015 ISSN (Print) 2277—7261, PN 26-31
4. P.M.Solanki1, Dr. D.S. Deshmukh2, “A Critical Review on Operating Variables of Solar Thermoelectric Power Generator”, in PRATIBHA: INTERNATIONAL JOURNAL OF SCIENCE, SPIRITUALITY, BUSINESS AND TECHNOLOGY (IJSSBT), Vol. 3, No. 2, June 2015 ISSN (Print) 2277—7261, PN 49-54.
5. Dr. D. S. Deshmukh, D. C. Talele, M. V. Kulkarni “Investigation of Storage Tank Performance Using Phase Change Material in a Solar Water Heating System”, in

Conferences:

1. Dr.D.S.Deshmukh, Mr. D. C. Talele, Mr. P. M. Solanki, “A Review on factors to be considered for a thermoelectric power Generation System Design” International Conference on Global Trends in Engineering, Technology and Management (ICGTETM-2016), PN 72-77
2. M. P. Mohurle, D.S. Deshmukh, P. D. Patil “Human Power Using Bicycle Mechanism as an Alternative Energy Source: A Critical Review”, International Conference on Global Trends in Engineering, Technology and Management (ICGTETM-2016), PN 417-423

3. Pundlik Nivrutti Patil, Dr. Dheeraj Sheshrao Deshmukh, Jitendra Gulabrao Patil ,“A Review on Liquid Petroleum Gas as a Fuel in Spark Ignition Engine Application”, in International Conference on Global Trends in Engineering, Technology and Management (ICGTETM-2016), PN 124-128
4. Nishant B. Dhanore#, D.S.Deshmukh , Pratik T. Patil, “A Review on Possible Causes of Road Accidents and a Solution to Avoid Head on Collision” , in International Conference on Global Trends in Engineering, Technology and Management (ICGTETM-2016), PN 283-286
5. Mr.A.V.Rajput, Dr. D.S Deshmukh, Mr. S.A Rajput, “Experimental Analysis of Self Piercing Riveted Joint for Mild” Steel and Aluminium Sheets , in International Conference on Global Trends in Engineering, Technology and Management (ICGTETM-2016), PN 634-340

PHOTO GALLERY



Expert Lecture on Constitution Of India



Executive Meet at Mumbai



VASANTUTSAV-16



COMMITTEE



Dr. D. S. Deshmukh



Er. N. K. Patil



Er. M. V. Rawalani