



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

DEPARTMENT OF MECHANICAL ENGINEERING

GRAVITY

Volume VII

Newsletter: July 2015 – Dec 2015



- 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

TOPPERS OF THE DEPARTMENT (MAY 2015)

BE		
Rank	Student Name	Percentile
I	SAGAR THAKRE	74.13
II	AMRENDHU CHOUDHARI	72.53
III	SHUBHAM GUJRATI	72.33

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

STUDENT ACHIEVEMENTS – CO-CURRICULAR

S.N	Name of student	Event	Date	Achievements
1	WISHAL WANI	PAPER PRESENTATION AT GOVT. COE, JALGAON	2- 3 DEC 15	I
2	Amol Nandre, Amey Neve	BAJA- A competition conducted by SAE.		Qualified first round
3	WISHAL WANI	RGI-TRPCS15 AT G. H. RAISONI COE,	1 OCT 15	II

FACULTY ACHIEVEMENTS

Journals:

1. Dr. D. S. Deshmukh, Published a Paper on “ Evaluation of Cutting and Geometric Parameter of Single Point Cutting Tool for Turning Operation”, in International Journal of Innovative Research in Advanced Engineering (IJIRAE), ISSN: 2349-2163.
2. Dr. D. S. Deshmukh, Published a Paper on“Review: Composite Flywheel for High Speed Application”, International Journal of Innovative Research in Advanced Engineering (IJIRAE)
3. Dr. D. S. Deshmukh Published a Paper on“Vibration Analysis of a Two Wheeler (Analytically)”in , International Journal of Innovative Research in Science, Engineering and Technology, ISSN: 2319-8753
4. Dr. D. S. Deshmukh, Published a Paper on “Field Data Based Mathematical Modeling (FDMM): State of the Art and Literature Review”, in nternational Journal of Engineering Research and General Science, ISSN 2091-2730
5. Dr. D. S. Deshmukh, Mr. M.V. Kulkarni, Published a Paper on “Improving Efficiency of Solar Water Heater Using Phase Change Materials” in Pratibha: International Journal of Science, Spirituality, Business and Technology, ISSN (Print) 2277-7261 and ISSN (on-line):2278-3857
6. Dr. D. S. Deshmukh, Published a Paper on “Computational Fluid Dynamics (CFD) Simulation of Helical Coil Induction Water Heater using Induction Cooker” in International Journal of Science, Spirituality, Business and Technology, ISSN (on-line):2278-3857
7. Mr. N.K. Patil, Ms J. R. Surange, Published a Paper on “ Experimental Investigation of Thermal Efficiency of Domestic LPG Stove Burner”, in Cyber Times International Journal of Technology and Management, ISSN: 2278 – 7518
8. Mr. N.K. Patil, Published a Paper on “ Analysis of Self Piercing Riveting Process by Numerical Methods”, in Pratibha: International Journal of Science, Spirituality, Business and Technology, ISSN (Print) 2277-7261 and ISSN (on-line):2278-3857
9. Mr. P.G. Damle, “ Vibration Analysis of Composite Plate at Different Boundary Conditions”, in nternational Journal of Innovative Research in Science, Engineering and Technology, ISSN: 2319-8753.

10. Mr. Prashant Ulhe, Published a Paper on “ Design And Analysis Of Front Axle Of Heavy Commercial Vehicle”, in International Journal of Science, Technology & Management, ISSN (online): 2394-1537

11. Dr. D. S. Deshmukh ,Mr. P.M. Solanki, Mr. D.C. Talelehas ublished a Paper on “Design Considerations for Thermoelectric Generator Performance Improvement: A Critical Review”, in Pratibha: International Journal of Science, Spirituality, Business and Technology, ISSN (Print) 2277-7261 and ISSN (on-line):2278-3857

12. Mr. A. R. Bharadwaj Published a Paper on “Grey Cast Iron, the Best Suitable Material for Lathe Machine Bed”, in International Journal on Recent and Innovative Trends In Computing and Communication, ISSN: 2321-8169, 2092-2093

13. Mr. C.K. Mukharjee, “ A Study of Vibration Control Methods for Front Loaded Washing Machine” in International Journal of Recent Technologies in Mechanical and Electrical Engineering” in International Journal of Recent Technologies in Mechanical and Electrical Engineering, ISSN : 2349-7947

PHOTO GALLERY



AtSciFi-15



COMMITTEE



Dr. D. S. Deshmukh



Er. N. K. Patil



Er. M. V. Rawalani