



Shrama Sadhana Bombay Trust's
College of Engineering & Technology, Bambhori, Jalgaon

DEPARTMENT OF MECHANICAL ENGINEERING

GRAVITY

Volume III

Newsletter: July 2013 – Dec 2013

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




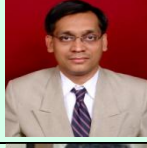




To cultivate a conducive environment through teaching, application specific learning and services to foster the technical critical thinking ability of the students as well as the faculties to contribute for developing global mechanical engineering professionals and well being of the society.

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



Departmental Advisory Board		Career Guidance Cell	
Member	Name	Member	Name
	Dr. D. S. Deshmukh Professor & HOD, Dept. of Mech. Engg. SSBT's College of Engg. & Tech., Bambhori, Jalgaon		Dr. D. S. Deshmukh Professor & HOD, Dept. of Mech. Engg. SSBT's College of Engg. & Tech., Bambhori, Jalgaon
	Dr. R. B. Chaudhari Chairman & Managing Director Kiran Machine Tools Ltd., Jalgaon		Er. N. K. Patil Associate Professor SSBT's College of Engg. & Tech., Bambhori, Jalgaon
	Dr. M. S. Deshmukh Professor, Dept. of Mech. Engg. RSCOE, Tathawade, Pune		Mr. S. P. Shekhawat Director Of Academics & Associate Professor, SSBT's College of Engg. & Tech., Bambhori, Jalgaon
	Shri. P. D. Chaudhari Sr. Manager, Q.A. HD Fire Protect Pvt. Ltd, Jalgaon		Mr. P.M. Solanki T & P Coordinators & Assistant Professor SSBT's College of Engg. & Tech., Bambhori, Jalgaon

Responsibilities at College Level			
	<ul style="list-style-type: none"> ➤ Editor-in-Chief , PRATIBHA: International Journal of Science, Spirituality, Business and Technology ➤ Chairman, Departmental Advisory Board at Departmental Level ➤ NBA Co-ordinator at Departmental Level ➤ Recognised Ph.D Guide, NMU Jalgaon ➤ Convenor, "Milestone 2K13" National level Students Paper Presentation competition 		<ul style="list-style-type: none"> ➤ Chairman, ISTE & I.E.(I) ➤ Member, Career Guidance Cell ➤ Faculty Advisor, MESA ➤ Lab Incharge, Mechanical Measurement & Metrology
	<ul style="list-style-type: none"> ➤ Director of Academics ➤ Member, LMC ➤ Member, Proctorial Board/Grievance Redressal Committee 		<ul style="list-style-type: none"> ➤ Publicity Incharge & PRO ➤ Coordinator, Admission Committee ➤ Lab Incharge, Heat & Mass Transfer
	<ul style="list-style-type: none"> ➤ Chairman, Cultural Committee ➤ Coordinator, Store Department ➤ Coordinator, MECHFEST ➤ Faculty Advisor, MESA ➤ Incharge, Department Library 		<ul style="list-style-type: none"> ➤ Student Welfare officer ➤ Member , AICT Approval committee ➤ Member , Mahila Takrar Niwaran Samiti ➤ Lab Incharge, Model Lab



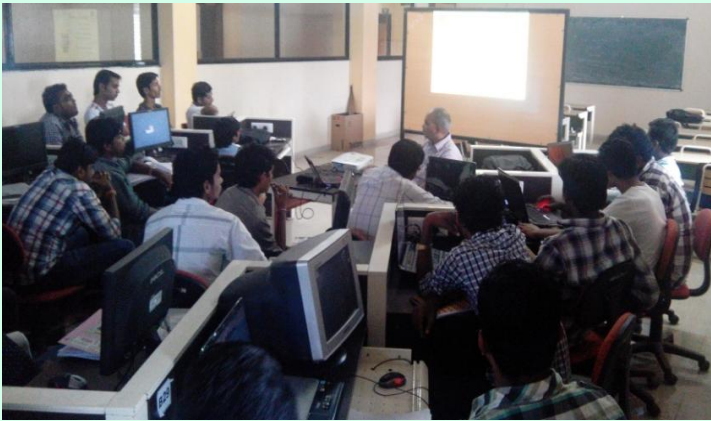
“Everything should be made as simple as possible but not simpler”

Departmental Committees

Member	Name	Committee	Member	Name	Committee
	Mr. P. D. Patil	<ul style="list-style-type: none"> SAE, Faculty Advisor Sports Alumni Lab Incharge, Heat Power Lab 		Mr. D.B. Sadaphale	<ul style="list-style-type: none"> ISTE & IE (I) Lab Incharge, Material Science Lab
	Mr. D. R. Patil	<ul style="list-style-type: none"> Time-Table 		Mr. P. N. Ulhe	<ul style="list-style-type: none"> Class Teacher (ME) Lab Incharge, CAD/CAM Lab
	Mr. P.M. Solanki	<ul style="list-style-type: none"> T & P Class Teacher (BE-A) Lab Incharge, Computer Lab 		Mr. D. D. Patil	<ul style="list-style-type: none"> Robo-club, Founder Member Class Teacher (BE-B) Lab Incharge, Mechatronics Lab
	Mr. C. K. Mukherjee	<ul style="list-style-type: none"> Cultural Class Teacher (TE-A) 		Mr. D. S. Shinde	<ul style="list-style-type: none"> Website Class Teacher (TE-B)
	Ms. J. R. Surange	<ul style="list-style-type: none"> Parents Meet Class Teacher (SE-A) 		Mr. M.D. Hadpe	<ul style="list-style-type: none"> Class Teacher (SE-B)
	Mr. A. R. Bharadwaj	Workshop Superintendent		Mr. M. V. Kulkarni	Lab Incharge, RAC Lab
	Mr. D. C. Talele	Lab Incharge, Tribology Lab		Dr. P.P. Bornare	Lab Incharge, TOM Lab



“The minds that opens to new ideas never returns to its original size”



Pneumatic & Hydraulic Workshop, TAACT



Water Rocket Workshop



Shastra Puja 2013



Padmashri Dr. Prakash Amte & Sau. Mandatai Amte



Workshop at Trimurti Institute of Technology

“Confidence may not bring success, but it gives the power to face the challenges”.

“The happiness of your life...depends upon the quality of your thoughts”



Teachers Day Celebration



Installation of CMM



**If you fail, never give up because F.A.I.L. means “First Attempt In Learning”
End is not the end; in fact E.N.D. means “Effort Never Dies”
If you get No as answer, remember N.O. means “Next Opportunity”**

Dr. A. P. J. Abdul Kalam

STUDENT'S ACHIEVEMENTS – CO-CURRICULAR

NO.	NAME OF STUDENT	PARTICULARS	PLACE OF EVENT	PRIZE
1.	Ajay Patil, Vishal Wani	Paper presented on “Shape Memory Alloy”	J.T.Mahajan COET, Faizpur	1 st
2.	Ajay Patil, Vishal Wani	Paper presented on “Shape Memory Alloy”	RCPIT, Shirpur	2 nd
3.	Dhansukh D. Lad	Paper presented on “Lean Manufacturing System”	J. T. Mahajan COET, Faizpur.	2 nd
4.	Kapil A. Saindane	Poster Presentation “Eco-friendly Solar Refrigeration System”	S.G.D., COET, Jalgaon	2 nd
			UICT, Jalgaon	Best Poster
			Avishkar, M.J.College, Jalgaon	1 st
5.	Ajay Patil	Robowar	RCPIT, Shirpur	Winner
6.	Anuj Saxena, Vikas, Durgesh Singh Chavan, Mithun Pujari	Design of LUNAR ROVAR Challenge	SHAASTRA, IIT Madras	7 th Rank All Over India.
7	Bhushan Jawage, Durgesh Singh Chavan	Roborace	RCPIT, Shirpur	Winner
			S.G.D., COET, Jalgaon	
8	Sagar Thakre, lalit C. Khadayate, vivek Shelke.	Robotracker	RCPIT, Shirpur	3 rd
			S.S.G.B.Bhusawal	2 nd
9	Patil Vivek, Barse santosh, Yamini Pawar	Roborace	J.T.Mahajan COET, Faizpur	2 nd

STUDENT'S ACHIEVEMENTS – EXTRA-CURRICULAR

NAME OF STUDENTS	PLACE	POSITION
Chess		
Saindane Kapil Ashok	Pankaj Arts, Comm. College, Chopda	Winner
Kho-Kho		
Shinde Vipin Chandrakantrao, Nannaware Sharad, Shankar, Shelke Vivek Tejravji, Patil Vivek Dharamsing	Arts, Comm. & Sci. College, Chopda	4 th
Basketball		
Deepak Yadav , Anshuman Agrawal, Mandar Joshi, Lalit Babu Saxena	SSBT's COET, Bambhori, Jalgaon.	Winner
Badminton		
Sainani Nilam Kishor	BP Arts, Comm. & Science College, Chalisgaon	Winner
Volley Ball		
Anand Kumar, Patel Manthan Dharmeshbhai, Yashraj Pawar	Dhandai Arts College, Amalner	3 rd
Cricket		
Raj Dhummal, Bhadane Viki R., Patil Pushpjeet P., Sukesh Kumar, Nikam Nikhil Y., Chinchole Tushar S.	BP Arts, Comm. & Sci. College, Chalisgaon	Winner
Kabaddi		
Nerlikar Aniket A., Bhagat Swapnil S., Patil Nikhil K.r, Aware Sudhir S., Rajput Harshal P.	Arts College, Marwad, Amalner	3 rd
Hand Ball		
Pramod Tavade, Sharad Nannaware, Rupesh Thakare, Yadav Brijesh, Ghodmare Vinayak P., Shinde Mayur S.	NYNC Arts, Comm. & Sci. College, Chalisgaon	3 rd

FACULTY ACHIEVEMENTS

Publications in International Journal	Publications in International Conference
Dr. D. S. Deshmukh, D. C. Talele, M. V. Kulkarni "Development of mathematical model for stationery compression Ignition Engine performance Analysis". International journal of science, spirituality, business and technology; Vol-2; No-1 November 2013	Dr. D S Deshmukh, D. C. Talele, M. V. Kulkarni "Formulation of mathematical model for stationery compression Ignition Engine Operating performance Enhancement". International Conference on Mathematical Modeling And Optimization Techniques In Science And Engineering July2013 S.S.B.T.'s, C.O.E.T., Bambhori, Jalgaon
D. S. Shinde, P. M. Solanki Dr. D. S. Deshmukh "Venturi Design An agriculture Based case study". International journal of science, spirituality, business and technology; Vol-2; No-1 November 2013	D.S. Shinde, P. M. Solanki, D. D. Patil "Genetic Algorithm And Simulated Annealing Algorithm Applied To Optimization Of Automobile Suspension System" International Conference on Mathematical Modeling And Optimization Techniques In Science And Engineering July2013 S.S.B.T.'s, C.O.E.T., Bambhori, Jalgaon .
Dr. D. S. Deshmukh, Dr. P. P. Bornare "Constraints in Banana marketing & scope of improvement : a case study for Jalgaon Region" International journal of science, spirituality, business and technology; Vol-2; No-1 November 2013	<div style="display: flex; justify-content: space-around;">   </div> <p style="text-align: center;">Books published</p>  <p style="text-align: center;">Water Rocket Workshop at S.S.B.T.'s, C.O.E.T, Jalgaon</p>
S. P. Shekhawat , Dr. N. V. Halegowda , and Dr M. Husain "Feasibility study of salt gradient solar pond for thermal Power Plant" International Journal of Mechanical Research and applications ISSN: 2347-1719: Vol. 1; 4 Dec 2013	
S.P.Shekhawat , Dr. N.V. Halegowda, and Dr M.Husain "Experimental study of turbidity control by coagulation for salt gradient solar pond" American Journal of Engineering research eISSN: 2320-0847; Vol. 2; Issue-09, Page No.147-153 2013	
Sandip B. Chaudhari, Prof.S.P.Shekhawat "Wear Analysis of Poly-tetra-fluoro-ethylene (PTFE) and it's composites under wet Conditions" IOSR Journal of Mechanical and Civil Engineering; eISSn 2278-1684: Vol. 8, Issue 2 (page no. 07-18) Jul-Aug 2013	
Aher Shivaji, P. M. Solanki, "Design and analysis of Vertical axis wind mill by using modified sovonius rotor system" International Journal of infinite innovations in technologies Vol-2; Issue 2; ISSN: 2278-9057; Oct 2013	

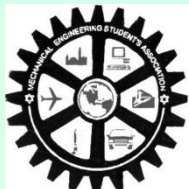


Seminar on Aurdino Board Programming at Roboclub



Workshop on "Basics of Microprocesor" at Roboclub

PHOTO GALLERY



COMMITTEE



◆ Dr. D. S. Deshmukh



◆ Er. N. K. Patil



◆ Er. M. V. Rawalani