



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

DEPARTMENT OF MECHANICAL ENGINEERING

GRAVITY

Volume II

Newsletter: July 2012 – Jun 2013

Our Inspiration

About College



Hon. Smt. Pratibhatai Patil Hon. Dr. Devisinghji Shekhawat Shri. Raosaheb Shekhawat

SSBT'S COET at Glance

- Lush Green 25 Acre Campus
- Virtual Class Rooms & e-learning
- IEDC Cell
- 40.5 Mbps Internet facility
- 14000 sq. ft. AC library
- Separate Boy's & Girl's Hostel
- Nationalized Bank & ATM
- Hi-Tech Gym & Yoga Center
- Medical Facility
- 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.



DEPARTMENTAL EVENTS



A team of 28 members participated in the event organized by Doordarshan and MIT, Pune. The team ranked 17th form 80+ teams from all over engineering colleges in India.



Students Conducting lectures on Occasion of Teachers Day



Participation in Traditional Day



Expert Lecture of Shekhar Borole, Bosch Chassis Ltd.

DEPARTMENTAL EVENTS



Rishikool Training on Soft Skills



Workshop on Robotics by Mr. Tikekar, BHEL



Visit to S.T. Workshop



Visit to Gandhi Tirth



Expert Lecture by Alumni, Crompton Greaves



FEAST - Festival of Engineers, Administrators, Scientists, and Technocrats



DEPARTMENTAL EVENTS



Celebration of Eid



Group discussion by MESA & ISTE



Junk Yard



Robo Race



Lan Gaming



Quiz Competition

DEPARTMENTAL EVENTS



MILESTONE – A National Level Student Paper Presentation



Environment Rally



Departmental Parents Meet



Tanubhaav–Workshop by Roboclub



Introduction to Robotics



Hand-On session

S.S.B.T COLLEGE of ENGINEERING & TECHNOLOGY at Bambhori, Jalgaon

in association with **i3indya Technologies** presents **VisionBOTics**
A Workshop on Sixth Sense Robotics

TOPICS & PROJECTS TO BE COVERED
Image acquisition in MATLAB
Video acquisition
Sending Serial and Parallel data using MATLAB
Vision based robotics
LED and Motor Interfacing
Ball following Robot
Gesture Controlled Robot
Gesture Controlled PC

Participation Certificate from **i3indya Technologies**
(Free software tool kit from i3indya Technologies)

DATE
23 to 25 March '13

VENUE
Seminar Hall 1st Floor
Mechanical Department.

CONTACT
ANUJJ SAXENA +91 - 09595815517
VIKAS BOORA +91 - 08956915828

Registration Fees Rs. 1200/- Per Member.
Lunch Included.
Get more details: i3indya Technologies

Attend Workshop & get **10%** discount on Summer Training 2013

*Students must bring their own laptops with camera Feature
For more information log on to : www.i3indya.com or call +91 - 95 6060 5666



Toppers of the Department in University Examination Results 2012-13

B.E. Mechanical

Rank	Name	%
1	Manish Kr Pandey	78.2
2	Vaibhav Raverkar	78.13
3	Mohan M. Patil	76.53

T.E. Mechanical

Rank	Name	%
1	Nikhil D. Zambare	75.9
2	Swapnil B. Ingale	73.4
3	Akshay J. Gaikwad	72.5

S.E. Mechanical

Rank	Name	%
1	Patil Nitin B.	71.3
2	Lathi Nikhil R.	66.8
3	Sathe Ajaykumar B	67.47

Sports (2012-13)

Student Name	Place	Position
Badminton		
Pratik Misal, Dhiraj Thorat, Durgeshsing Chavan	B.P. Art-Commecre College Chalisingaon	4 th Place
Basketball		
Amit Sharma, Mansdar Joshi, Ritin T. Kuriakose, Ardhendu Choudhary	SSBT's COET, Bambhori,	Winner
Cricket		
Viki Bhadane, Raj Dhummal, Patil Amol U.	NMU	3 rd Place
Football		
Ritin T. Kuriakose	Pratap College , Amalner	Winner
Fencing		
Amrutkar Girish B. , Patil Vivek S. Yeole Nikhil K.	DDSP Arts & Commerce College, Erandol	Winner

Training & Placement Corner (2012-2013)

Sr. No.	Name of the Company	Number of students placed
1.	Across Beyond	01
2.	Stringer Drafting	03
3.	Krislon Group	05
4.	Neptunes Pvt. Ltd.	01
5.	Jain Irrigation Systems Ltd.	04
TOTAL		14

GATE Qualified Students GATE 2013

Sr. No.	Name of the Student	Gate Percentile
1	Zuber Khan	90.24
2	Manish Kumar Pandey	90.00
3	Avinash Shah	88.24
4	Salman Khan Tadvi	80.00
5	Abinash Kumar Barnwal	86.00
6	Ravishankar Gupta	88.00
7	Pawan Pawar	92.00
8	Prashant Lanjewar	86.32

FACULTY ACHIEVEMENTS

Publications in International Journal	Publications in International Conference
Dr. D.S. DESHMUKH, M.S.DESHMUKH, P.D.PATIL, S.U.PATEL. "Development of Experimental Data Based Model for Backpressure Generation Phenomenon on a Stationary C.I. Engine". International Journal of Innovations in Mechanical & Automobile Engineering IJIMAE, ISSN 2249-2968 (Print), Nov.-.2012, Issue – III, pp. 27-48. November -2012	M.D.HADPE , J.R.CHAUDHARI ,Dr. D.S. DESHMUKH, P.M.SOLANKI "A Review on Human Power Operated Devices" 2 nd International Conference on Recent Trends in Engineering and Technology (ICRTET'2013) organized by SNJB's Late Sau. Kantabai Bhavarlalji Jain College of Engineering. February 2013.
Dr. D.S. DESHMUKH, M.S.DESHMUKH, P.D.PATIL, S.U.PATEL. "Experimental Investigation on an Internal Combustion Engine for Operating Performance Enhancement". International Journal of Innovations in Mechanical & Automobile Engineering IJIMAE, Nov.-.2012, Issue – III, pp. 136-156	M.D.HADPE, Dr. D.S. DESHMUKH, J.R.CHAUDHARI, P.M.SOLANKI. "International Conference on Human Power Utilization for Energy Crises: A Review" Advances in Energy Technology (ICEAT'2013), at S.S.B.T.'s, C.O.E.T., Bambhori, Jalgaon. March 2013
Dr.D.S.DESHMUKH,M.S.DESHMUKH, A. A. PATIL "Investigation of Factors Affecting the After Treatment Device Design for a Compression Ignition Engine". International Journal of Innovations in Mechanical & Automobile Engineering IJIMAE, ISSN 2249-2968 (Print), Nov.-.2012, Issue – III, pp. 102- 118.	Dr. D.S. DESHMUKH, M.V.KUILKARNI, M.V.RAWLANI "Design considerations for Solar Water Heating System Techniques: A Critical Review" International Conference on Advances in Energy Technology ICEAT, at S.S.B.T.'s, C.O.E.T., Bambhori, Jalgaon. March 2013
D.S.SHINDE,P.M.SOLANKI,Dr.D.S.DESHMUKH, S.P.SHEKHAWAT "Application of simulated annealing algorithm for design optimization of automobile suspension system". International Journal of Innovative Research in Engineering and Technology. ISSN: 2319 -5940, Vol -2, Issue 6/June/13.	M.L.RAOTOLE, D.B.SADAPHALE, J.R.CHAUDHARI "Fatigue Failure Analysis of crank shaft". 2 nd International Conference on Recent Trends in Engineering & Technology At SNJB's K. B. Jain College of Engg., Chandwad 22 nd to 24 th February 2013
D.BAGALE, S.P.SHEKHAWAT, J.R.CHAUDHARI "Wear Analysis of Polytetra-fluoroethylene and its composites under Dry conditions using Design Expert Prediction of Fatigue life of crank shaft using S-N Approach" International Journal of Science and Publication Volume 3, Issue 1, January 2013.	DR. S.A. THAKUR, S.P. SHEKHAWAT, M. N. SHIRSATH "Biodiesel As An Alternative Fuel", Proceedings of International Conference on "Advances in Energy Technology" 29 th March 2013.P. No. 37-45
M.WANI, P. P. PATIL, P. M. SOLANKI , J. R. CHAUDHARI "Failure of underground unplasticized polyvinylchloride plastic sewer chamber when the vehicle passing over" International Journal of Engineering Research and Applications ISSN: 2248-9622 Vol. 3 issue 1; page no 1557-1564 Jan 2013 – Feb 2013	 <p style="text-align: center; color: red; font-weight: bold;">SHODHPRAKALP Pratiyogita 2013</p>  <p style="text-align: center; color: red; font-weight: bold;">Farewell 2013</p>
M.L.RAOTOLE, D. B. SADAPHALE, J. R. CHAUDHARI "Prediction of Fatigue Life of Crank Shaft using S-N approach", International Journal of Emerging Technology & Advanced Engineering, IJETAE, Volume 3, Issue 2 February 28 th 2013.	
A. R. BHARDWAJ, N. K. PATIL, S .D. SANCHETI "Optimization of injection molding component (pivot) based on CAD-CAE" International Journal of Engineering Research and Industrial Applications Ascent Publication Pune (M.S) Vol. V No. IV 12-13	
M.S.PATIL, Mr. P. N. ULHE, DR. D. S. DESHMUKH "Investigation of methods for bending rectangular glass plate in to parabolic shape by using FEA". International journal of emerging technology and advanced engg. ISSN. 2250 – 2459 (online) – ISO 9001:2008. 21 st June 2013	
Mr. S.P.SHEKHAWAT, V. S. RANA "Academic Self Study Report: a strategic tool to measure the Institutional Performance". International Journal of Science, Spirituality, Business and Technology (IJSSBT), Vol.1, Issue 2 February 2013.	
DEEPAK M.BADGUJAR, S.P.SHEKHAWAT, "Finite Element Analysis For Residual Stress,Strain and Temperature Characteristics of Butt Welded Steel Plate-a Review". International Journal of Scientific Research Vol-2 Issu-6 June13	

PHOTO GALLERY



◆ COMMITTEE ◆

◆ Dr. D. S. Deshmukh

◆ Er. N. K. Patil

◆ Er. M. V. Rawalani