



Our  
Inspiration



Smt. Pratibhatai Patil  
Former  
President of India  
&  
Dr. D. R. Shekhawat  
Chairman, GB



Shri. Raosaheb Shekhawat  
Managing Trustee

## Shram Sadhana Bombay Trust's College of Engineering & Technology, Bambhori, Jalgaon.



### Department of Electrical Engineering

#### SHOCKWAVES (News Letter) Volume-I, Issue-II

##### About the College

Shram Sadhana Bombay Trust runs the College of Engineering & Technology at Bambhori, Jalgaon which was established in 1983. The Jalgaon is one of the important industrial town & district headquarters of Maharashtra state. The college is awarded as Best Engineering College of Maharashtra State by Engineering Education Foundation, Pune in year 2008. The Under Graduate programs in seven courses are accredited by National Board of Accreditation, All India Council for Technical Education, New Delhi for 5 years with effect from 19/07/2008 vide letter number NBA/ACCR-414/2004. QMS of the College conforms to ISO 9001:2008 and is certified by JAAZ under the certificate number: 1017-QMS-0117. The college has been included in the list of colleges prepared under Section 2(f) of the UGC Act, 1956 vide letter number F8-40/2008 (CPP-I) dated May, 2008 and 12(B) vide letter number F. No. 8-40/2008 (CPP-I/C) dated September -2010.

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



##### Salient Features of Electrical Engineering Department

- ⌘ Experienced & Qualified Faculty
- ⌘ Accredited program by NBA for 5 years
- ⌘ Modern Electrical Machine laboratory
- ⌘ Excellent Results
- ⌘ Research oriented faculty and students
- ⌘ Well equipped High Voltage Lab
- ⌘ Departmental library with internet facility
- ⌘ Hat trick of Gold Medal in University Level Exam since 2010.
- ⌘ PSCAD, E-TAP, PLC & SCADA software.
- ⌘ Well equipped Ten laboratories for UG .
- ⌘ Two new laboratories constructed for PG .



##### VISION of Department

To emerge as the leading Electrical Engineering department for inclusive development of students.

##### MISSION of Department

To provide student-centered conducive environment for preparing knowledgeable, competent and value added electrical engineers.

**About the department**

The Electrical Engineering Department was established in 1999 with intake 30. It is accredited for 5 years by National Board of Accreditation (NBA) Committee constituted under AICTE with effect from 19-07-2008. It is the only Accredited Department in NMU, Jalgaon. The present intake capacity of the department is 60. The intake is increased to 60 in the year 2008. The department has submitted the proposal to start PG in Electrical Power System from academic year 2013-14.

**News Letter committee**

**Faculty :** *Mr. D.S. Patil (Designer and editor)*      *Mr. S.S. Nagarnaik (Designer and editor)*

**Students:** *Mr. Palash Fendarkar (BE)*      *Mr. Amey Shirwadkar (TE)*      *Mr. Shubham Patil (SE)*  
*Mr. Swapnil Mali (BE)*      *Mr. Prasad Paraskar (TE)*      *Mr. Sagar Mahajan (SE)*  
*Mr. Vikas Tiwari (BE)*      *Mr. Satish Ghongade (TE)*      *Mr. Sarvesh Pathak (SE)*  
*Ms. Meghana Mahajan (BE)*      *Ms. Namrata Rajput (TE)*      *Ms. Ashwini Sarode (SE)*  
*Ms. Deepali Chavan (BE)*      *Ms. Poonam Mathankar (TE)*      *Ms. Pooja Baviskar (SE)*

**Program Educational Objectives****PEO 1. Core Knowledge**

Electrical engineering graduates will have the knowledge of basic science and engineering skills, humanities, social science, management and conceptual and practical understanding of core electrical engineering area with project development.

**PEO 2. Employment**

Electrical 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.

**PEO 3. Professional Competency**

Electrical 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**

- a. An ability to apply knowledge of mathematics, science, and engineering.
- b. An ability to design and conduct experiments, as well as to analyze and interpret data.
- c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, sustainability.
- d. An ability to function on multidisciplinary teams.
- e. An ability to identify, formulate, and solve engineering problems.
- f. An understanding of professional and ethical responsibility.
- g. An ability to communicate effectively.
- h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and social context.
- i. A recognition of the need for and an ability to engage in a life-long learning.
- j. Knowledge of contemporary issues.
- k. An ability to use a technique, skill, and modern engineering tools necessary for engineering practice.

**Old Memories**

## DEPARTMENTAL EVENTS

## Group Discussion



Group discussion was the first event ever held under EESA program series. The event was conducted on 24<sup>th</sup> August 2013. These type of events are very helpful for the students during their campus interviews. Mr. Ameya Shirwadkar of TE was the winner for this event. Ms. Prajakta Borse of TE and Ms. Meghna Mahajan of BE jointly secured second prize.

"Talk To Yourself Once In A Day, Otherwise You May Miss Meeting An Excellent Person In This World"



## Workshop on Syllabus Framing, SumoRobotics &amp; PSCAD



Workshop on Syllabus Framing on 21st Sept 2013

Sumo Robotics Workshop on 15-16 Oct. 2013



PSCAD Workshop on 13-14-15 Sept.13



**ANTIRAGGING VIDEO & POSTER PRESENTATION**

Anti ragging Video was shown to students on 17<sup>th</sup> Sept 2013 in order to make students aware about it. The video and lecture was downloaded from AICTE site. The Online undertaking regarding this was also filled by students.

Poster Presentation competition was organized on 14<sup>th</sup> Sept. 2013. "Social awareness and Basics of Electrical" was the theme for the competition. The students from SE, TE & BE have actively participated in the event.

**Teachers day**

"Teachers Day" was celebrated on birth anniversary of Dr. Sarvapalli Radhakrishnan Ex President of India. Students delivered speech on the event. Teachers shared their memorable experiences with the students.



## Interaction and Guest Lecture



Guidance by the distinguished Alumina  
for final year students.

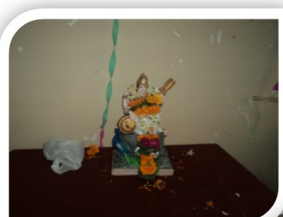


Guest lecture by Mr. D.D.Dode  
(Chief Manager, J K Papers, Songadh)



Felicitatation of Shri S. R. Mahajan,  
speaker for "Lead India 2020"

## Fresher Party



It has been tradition of the department to welcome the freshers who has just entered in their Engineering life to make their own future. It was organized by senior students of the department on 29<sup>th</sup> Sept. 2013.

*We can not change our future.....  
But we can change our habit and sure  
our habit will change our future*

*"Take Risks In Your Life ,  
If You Win ,You Can Lead!  
If You Loose, You Can Guide!*



## Industrial Visit



Visit of SE students to 210 MW Bhusaval Thermal Power Station , Deepnagar.

As per the curriculum ,industrial visit of the SE & TE was organized on 20<sup>th</sup> Sept. 2013 and 15<sup>th</sup> Oct. 2013 respectively. The students of TE visited 12MW Hydro Power Plant, Bhandardara, Nasik. The fifty students along with staff members visited the plant.

The students of SE visited 210MW Thermal Power Plant, Deepnagar, Bhusawal. The sixty two students along with staff members have visited plant. It was an awesome experience to acquire the knowledge from experienced industrial persons.

*"Life isn't a matter of milestones, but of moments".*



Visit of TE students to 12 MW Bhandardara Hydro Power Plant , Nasik

## Contribution by faculty members

1. Mr. M. M. Ansari has received a grant of Rs 5.35 lakhs for AICTE, New Delhi under scheme "MODROB" for Electrical Machine Lab.
2. The faculty, Mr. D. U. Adokar, Mr. V. S. Pawar, Mr. M. M. Ansari, Mr S . M . Shemberkar, Mr. D. S. Patil, Miss. N.A. Pande, Mr. N. S. Mahajan, Mr. S. S. Nagarnaik, Mr. K. L. Deshmukh, Miss. Minal Rade participated in Two Week ISTE Workshop on "Analog Electronics" organized by IIT Kharagpur from 04<sup>th</sup> June to 14<sup>th</sup> June 2013.
3. The faculty, Mr. D. U. Adokar, Mr. V. S. Pawar, Mr. M. M. Ansari, Mr S . M . Shemberkar, Mr. D. S. Patil, Miss. N.A. Pande, Mr. N. S. Mahajan, Mr. S. S. Nagarnaik, Mr. K. L. Deshmukh, Miss. S. D. Mahale actively participated in One Day Workshop on "Syllabus Framing" organized by college and-NMU, Jalgaon on 21st sept. 2013. Mr. M. M. Ansari is the Chairman ,BOS in Electrical Engineering and Instrumentation Engineering
4. Mr.D.U.Adokar has attended One day Workshop on Wavelet Transform and its Applications.
5. Mr. V.S.Pawar & Mr. S.M.Shembekar has published a paper in IJSSBT on "Transients in Over Voltage"
6. Mr. M. M. Ansari has published a paper "Characterization of Transients and Fault Diagnosis in Transformer by Discrete Wavelet Transform" Page 87-95 in International Journal of Electrical Engineering and Technology (IJEET) with impact factor 5.5028. ISSN 0976-6545.
7. Mr. S.M.Shembekar has presented a paper titled "Transformer Oil Temperature Monitoring and Controlling" in International Conference "MMOTSE" 2013 held on 25-26 July 2013
8. Mr. D.S.Patil & Mr. N.S.Mahajan have attended One Day Workshop on "Industrial Automation " Organized by GATI & TAACT on 9<sup>th</sup> Aug 2013 at Jalgaon.

**Photo Library**



**Dr. K. S. Wani**  
Principal



**Mr. S. R. Suralkar**  
Director of Administration



**Mr. S. P. Shekhawat**  
Director of Academics



**Mr. S. R. Vashishtha**  
Director, T & P



**Mr. D. U. Adokar**  
Head of Department