



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



**Our  
Inspiration**



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

## 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.

## VISION

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



**Shri. Raosaheb Shekhawat**  
Managing Trustee

## Department of Electrical Engineering

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

### About the College

Shram Sadhna 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.



### MISSION of Department

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

### VISION of Department

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



### 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.
- ⌘ E-TAP, PLC & SCADA software.
- ⌘ Well equipped Ten laboratories for UG .
- ⌘ Two new laboratories for PG are under construction

## **SHOCKWAVES**

### **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. Sarang Hivarkar (BE)	Mr. Palash Fendarkar (TE)	Mr. Amey Shirwadkar (SE)
Mr. Sachin Kale (BE)	Mr. Swapnil Mali (TE)	Mr. Prasad Paraskar (SE)
Mr. Prafulla Lalsare (BE)	Mr. Vikas Tiwari (TE)	Mr. Satish Ghongade (SE)
Ms. Amrita Gupta (BE)	Ms. Meghana Mahajan (TE)	Ms. Namrata Rajput (SE)
Ms. Chaitali Bari (BE)	Ms. Deepali Chavan (TE)	Ms. Poonam Mathankar (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 a realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, sustainability.
- d. An ability to function on multidisciplinary team.
- 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 solution 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.

## News Letter Volume-I Issue-I Publication

The publication of the first news letter Volume-I, Issue-I of the department was released in the auspicious hands of Honorable Shri. Raosaheb Shekhawat, Managing Trustee, SSBT's COET, Jalgaon, MLA Amravati constitution, Shri V.R Phadnis Saheb, Member of GB & LMC, Principal Dr. K. S. Wani, Arch. Shri Kulkarni Saheb, Member of GB & LMC, Shri S. P. Shekhawat, Director of Academics, Shri Shantanu Vashishtha, Director Training and Placement cell, and Head, Shri D.U. Adokar. All HODs and faculty members were present at the time of publication release.



*" The whole secret of successful life is to find out what is one's destiny to do, and then do it"*

**Pride of the Department**

Mr. Sarang Hivarkar secured 1st rank in Nov-Dec. 12 Exam of North Maharashtra University, Jalgaon at college level.



Mr. Bhushan Mandval of BE has qualified the Graduate Aptitude Test in Engineering (GATE- 2013) Examination.



Placement of Mr. Gautam Kumar in ACC Suraksha Cement Thane, with package Rs 5.5 Lakhs is pride of department.



Ms. Amrita Gupta is placed in "Across Beyond" in campus drive organized by Training and Placement cell of SSBT's COET, Jalgaon with annual package of Rs 2.5 Lakhs.



The project titled "Power Generation by Osmosis" secured third prize in National Level Project Competition "Karmaveer -2013" organized by K. K. Wagh College of Engineering, Nasik.



"Power Generation by Highway Street" secured consolidated prize in event held in Lokmanya Tilak College of Engineering Koparkhairane, Navi Mumbai.



Ms. Shreyashi De has been selected as a Best Outgoing Student of the department for her contribution in sports, cultural events and academics.



Ms. Shreyashi De and Ms. Lubna Chakraborty secured second prize in National Level Paper Presentation held in IIT Banaras held on 1st March 2013.



The "Best Personality" award is given to Mr. Manoj Tayade of BE for the academic year 2012-2013.



Ms. Namrata Rajput participated in 16<sup>th</sup> Maharashtra State Inter University Sports Festival "Krida Mahotsava-2012" in the event Kho-Kho at Nagpur.



**"Develop success from failures. Discouragement and failure are two of the surest stepping stones to success."**

## DEPARTMENTAL EVENTS

## INDUSTRIAL VISIT



The student of final year visited VIP Industries, Nasik on 27th Jan 2013 .

The students of Final year Electrical have visited Kanyakumari and Kerela from 02<sup>nd</sup> Jan. to 12<sup>th</sup> Jan 2013.



## Shodhprakalp Pratiyogita



It has been tradition of the college to organize “Shodhprakalp Pratiyogita” for the motivation of last year students who have implemented their ideas with more innovative way. As per the tradition “Shodhprakalp Pratiyogita 2013” was held on 6th April 2013. Total 66 students have participated in this event. Mr.P.B. Kandalkar, AGM, Legrand India Pvt. Ltd. was the chief guest for this event. The project “Power Generation by Osmosis ” got the first prize. “Transformer Oil Temperature Control ” secured 2nd prize. The consolation prize was given away to “Power Generation by Dance Floor”.

## Snap Hunt



On 09<sup>th</sup> March. 2013, event S N A P H U N T was organized. It was very interesting event and appreciated by all. The Head of the Department was the chief guest for this competition. Mr. Chandan Gujrathi and group from T.E was the winner for this.



# SHOCKWAVES

## Box Cricket

The craze of cricket in India is incredible. Keeping this craze in mind, the event Box Cricket was organized on 16<sup>th</sup> March 2013. The 120 students of the department. have actively participated in this event. The cricket match among all faculty members and the students was also organized on same day.



**"Whatever we do, we must always remember our aim."**

## Guest Lectures



Presentation by Mr. Satish Bhavsar

Guest lecture by Mr. Hemant Sharma



## Workshop on SCILAB

## Resume Writing



**"A man is happy so long as he chooses to be happy."**

# SHOCKWAVES

## Farewell Party



**Group Photo of Final Year Students**

It has been tradition of the department to say "GOOD BYE" by organizing the farewell party to students and stepping in new phase of life. Hope our students will serve the nation in better way and fulfill the expectation of society.

**"Live as if you were to die tomorrow. Learn as if you were to live forever."**



**Entertainment for the final year students**

## Prize Distribution

The prize distribution ceremony was organized under EESA after completion of the session. Prof. M. P. Deshmukh and Prof. S. R. Suralkar were the chief guest for the function. All the students who were runners and winners for particular events are given away the prizes such as trophies, shields, medals and certificates of achievement. Ms. Shreyashi De was announced as Best Outgoing Student of the department for 2012-13. Best Personality Award was given to Mr. Manoj Tayde.



The students who are placed in campus interviews were also felicitated by giving trophies, and certificates. Mr. D. S. Patil was also felicitated for his sincere efforts taken for grand success of the program as EESA Co-ordinator.



# SHOCKWAVES

## Gold Medalist of last three years



Ms. Gopi Dixit  
May 2010



Ms. Aparajita Priyam  
May 2011



Ms. Komal Mane  
May 2012

## Toppers of the Department



Sarang Hivarkar  
4th year



Palash Fendarkar  
3<sup>rd</sup> Year



Ameya Shirwadkar  
2<sup>nd</sup> year



Shubham Patil  
1<sup>st</sup> year

## Participation of students in Zonal & Inter college at University/College level in sports



Aniruddha Janbadkar  
Football (Zonal)



Ms. Shreyasi De  
Basketball (Zonal)



Ramkrishna Kolambkar  
Table Tennis (Zonal)



Shashank Tripathi  
Cricket (Zonal)



Palash Fendarkar  
Badminton (Zonal)



Ms. Namrata Rajput  
Kho-Kho (Zonal)



Anand Kumar  
Cricket (Inter-college)



Sachin Kale  
kho-kho and kabaddi  
(Inter-college)



**SHOCKWAVES****Participation of the Faculty Members in Seminars and Workshops**

The following faculty members have attended a **Two days ISTE Workshop on Aakash for Education conducted by IIT, Bombay** on 10th & 11th Nov 2012.

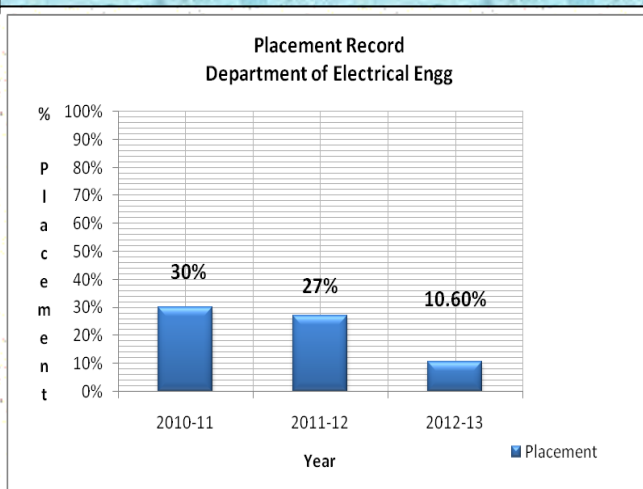
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|--|--|
| 1) Mr. D. U. Adokar (Asso. Professor & Head) | 2) Mr. V. S. Pawar (Asso. Professor)     |
| 3) Mr. M. M. Ansari (Asst. Professor)        | 4) Mr. S. M. Shembekar (Asst. Professor) |
| 5) Mr. D. S. Patil (Asst. Professor)         | 6) Ms. N.A.Pande (Asst. Professor)       |
| 7) Mr. S. S. Nagarnaik (Asst. Professor)     |  |

Mr. D. U. Adokar (Asso. Professor) and Mr. D. S. Patil (Asst. Professor) has jointly published a paper titled **“Generation of Electricity by Osmosis” in International Journal of Emerging Technology, and Advanced Engineering (ISSN 2250-2459) Volume-III.**

Mr. M. M. Ansari (Asst. Professor) has been nominated as **BOS Chairman in Electrical Engineering and Instrumentation** Engineering under the faculty of engineering and technology by North Maharashtra University, Jalgaon.

Mr. D. S. Patil (Asst. Professor) worked as **co-guide** for a group of Computer Engg. Dept. He is also working as **coordinator of EESA.**

Mr. N. S. Mahajan has completed **ME in Electrical Power System** from Government College of Engineering, Aurangabad with **CGPA of 8.125.** He has Published a paper titled as **“Electric Arc Model for High Voltage Circuit Breakers Based On MATLAB/SIMULINK” in IJSSBT, Volume-II.**

**Campus Placement of the Department**

**“He who will not economize will have to agonize.”**

Sr No.	Year	Student strength	Placement	No. of Company
1	2009-10	30	01	01
2	2010-11	30	09	05
3	2011-12	66	18	04
4	2012-13	66	07	03

**Placement in 2012-13**

Sr.no.	Name of candidates	Package	Company Name
1	Mr. Vikas P Patil	Rs 1.8 Lakhs PA	Jain Irrigation System Ltd
2	Mr. Rohit D Tayade		
3	Mr. Amol Mangal Patil		
4	Mr. Sachin Gajanan Kale		
5	Mr. Madhurjya Borah		
6	Ms. Amrita Gupta	Rs 2.4 Lakhs PA	Across & Beyond Construction Pvt. Ltd
7	Mr. Gautam Kumar	Rs 5 Lakhs PA	ACC Ltd

# SHOCKWAVES

## Laboratory Photos



Dr. K. S. Wani  
Principal



Mr. S. P. Shekhawat  
D. O. A



Mr. D. U. Adokar  
H. O. D