



*LSSBM'S  
Padmashri Dr. V. B. Kolte  
College of Engineering & 2<sup>nd</sup>  
shift Polytechnic, Malkapur*

Volume: 2 Issue: 1

June 2016 – May 2017

## NEWSLETTER

### ELECTRICAL ENGINEERING DEPARTMENT



#### *About Institute*

*LokSewa Shikshan Bahuuddeshiya Mandal, Malkapur (LSSBM) established in 1961. The Governing body is a group of active and enthusiastic members, with a solitary intention of imparting education to the needy and to facilitate the reach of our educational initiatives to further for the betterment of the region. Padmashri Dr. V. B. Kolte College of Engineering & Polytechnic, Malkapur runs (Polytechnic, B.E., and M.E.) and established in 2010. The vision of our group is to carve a niche in imparting quality education to the students and to develop them both personally and professionally to face the challenges of the present world. During this scintillating journey, we can boast of our growth on all fronts by leaps and bounds. We have a total strength of more than 2000 students across various disciplines. At LSSBM, Padmashri Dr. V. B. Kolte College of Engineering & Polytechnic, Malkapur we commit ourselves to offer innovative study programs so as to build a very dynamic student community.*

## Vision and Mission of Institute

### Vision

- ✦ To be an Organization providing quality Education to the masses to bring about a social change in the region by establishing & nurturing the technical, and allied institutions to become center of excellence.

### Mission

- ✦ To nurture and maintain quality environment for academic excellence, research and development of entrepreneurship, through dedicated staff and transparent management for bringing about a social change, through affordable education.
- ✦ To impart holistic training to all the students so that they develop right kind of attitude, knowledge & skills which will help them to serve the nation in a better way.
- ✦ To imbibe in the students, basic human values in order to help them, develop individually.
- ✦ To provide education at reasonable expenditure, especially for middle class population.
- ✦ To provide up-to-date and trained professionals to industry who will serve as entrepreneurs and will lead their companies successfully.

### Principal's Message



Dr. A. W. Kharche  
Ph.D.

I am pleased to know that the institute is going to publish second edition of newsletter. This newsletter provides panoramic view of academic, research, co-curricular activities and achievements of institutes during an academic year.

To impart technical, educational and training of exemplary academic standards to our students is our vision. The institutes has reach tradition of pursuing academic excellence and providing congenial environment for the overall personality development of students. I feel confident that the institute is progressing in the right directional and I congratulate the faculty for their hard work and whole hearted efforts to make the institutes the choicest destination for aspiring engineers.

### Academic Dean



Prof. S. N. Khachane  
M.Sc. (Chemistry)

I am happy in releasing the newsletter, highlighting the activities of the college between 2016 -2017. The hard work of the students and staff of this Institution have already brought a very good grade since last two years by MSBTE academic monitoring committee. I congratulate the staff and students for this achievement. I wish that everyone continue their untiring efforts not only to retain this award but to grow to further high standards. I congratulate all the editorial members for releasing this newsletter.

### Academic Co-Ordinator



Prof. R. M. Chaudhari  
M.E. (CAD /CAM)

It is my pleasure in congratulating the editorial member on this pleasant occasion of releasing the newsletter for the period 2016-2017. It is great to find a considerable number of winners and participants in co curricular and extracurricular activities which certainly prove that our staff and students are adequately equipped and possess necessary skill-sets to bring such success to the institution. I wish that this number may grow in the years to come. I am sure that publishing a newsletter of this sort containing the achievements of the wards will be a recognition to them and I wish them all the very best for future endeavors.

## PATRONS

Shri. D. N. Patil  
Shri. P. D. Kolte  
Dr. A. W. Kolte,  
Shri. S. N. Patil,  
Shri. S. J. Pachpande,  
Dr. D. N. Kolte,  
Shri D.T. Patil,  
Shri Anil L. Ingle,  
Shri D.R. Patil,

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Vice-President, LSSBM's, Malkapur  
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(Jt. Secretary LSSBM)  
(Treasurer LSSBM)  
(Member LSSBM)  
( Member LSSBM)  
(Member LSSBM)  
( Member LSSBM)

## ACADEMIC ACHIEVERS 2016-2017

### ELECTRICAL ENGINEERING

#### Final year

1. Gajanan Vaidkar – 60.37%

#### Second year

1. Nikita Fegade – 71.94%
2. M. Faizan M. Rafiqe – 61.05%

#### First year

1. Mayuri Chopade – 75.72%
2. Javed Khan – 64.85%
3. Rahil Khan – 64.45%

**Congratulations!**

**MSBTE PERFORMANCE**

The following were the performance given by MSBTE Academic Monitoring Committee to Padm. Dr. V.B. Kolte College of Engineering, Malkapur. (Polytechnic 2<sup>nd</sup> Shift)

Branch	Performance	Year
CW, ME, EJ & EE	Very Good	2014-2015
CW, ME, EJ & EE	Very Good	2015-2016
CW, ME, EJ & EE	Very Good	2016-2017

**Project Exhibition “Pro-Era 2K17”**



*Padm. Dr. V.B. Kolte College of Engineering, Malkapur was conducted the National level Project Exhibition with the name of “Pro-Era 2K17”, dated on 27<sup>th</sup> January 2017.*

**IEDSSA Sports****2017**

*The Inter Engineering Diploma Students Sports Association State of Maharashtra (IEDSSA) Conduct State level sports Event for diploma students. This Event organized in different zones, each zone has number of sports conducted at different colleges.*

***IEDSSA 2017 Cricket** sport was conducted by **Padm. Dr. V. B. Kolte College of Engineering, Malkapur (Polytechnic 2<sup>nd</sup> Shift)** dated on 18<sup>th</sup>, 19<sup>th</sup>, and 20<sup>th</sup> January 2017.*

**CULTURAL EVENT**

*Padm. Dr. V. B. Kolte College of Engineering, was conducted the cultural Event with the name of “**Relish 2K17**”, dated on 1<sup>st</sup> and 2<sup>nd</sup> February 2017.*

*In this event number of students have participated and demonstrated their talent.*



## PARENTS MEETING

The parents meeting were conducted by Padm. Dr. V.B. Kolte College of Engineering and Polytechnic, Malkapur, dated on to provide the students feedback to the parent and for further improvement of them. It was a so much good initiatives for students and as well as institute.



## GUEST LECTURE ON PERSONALITY DEVELOPMENT



Dr. Manish Gupta (Chairman, Chrysalis Entrepreneur Forum, Pune) was delivered lecture on Personality Development dated on 2<sup>nd</sup> February 2017.

## NATIONAL LEVEL TECHNICAL QUIZ CONTEST



“The National level technical quiz contest” was arranged by Padm. Dr. V. B. Kolte College of Engineering & Polytechnic, Malkapur, dated 27<sup>th</sup> January 2017.



## NATIONAL LEVEL POSTER PRESENTATION



“The National level Poster Presentation” arranged by Padm. Dr. V. B. Kolte College of Engineering & Polytechnic, Malkapur, dated on 27<sup>th</sup> January 2017.

## NATIONAL LEVEL PAPERER PRESENTATION



“The National level Paper Presentation” was arranged by Padm. Dr. V. B. Kolte College of Engineering & Polytechnic, Malkapur, dated on 28<sup>th</sup> January 2017.

## Electrical Engineering

### HOD'S Message



Prof. Santosh Raikar  
M.Tech.(Electrical Engineering)

Electrical engineering is a branch of engineering that deals with the technology of electricity. Electrical engineers work on a wide range of components, devices and system from tiny microchip to huge power station generators. Early experiments with electricity included primitive batteries and static charges. However the actual design, construction and manufacturing of useful devices and system began with the implementation of Michael Faraday's Law of Induction.

Electrical Engineering is a field of engineering that generally deals with the study and application of electricity. I congratulate my students for being successful professionals and good human being an asset to the society.

### **Vision**

To produce comprehensively trained, socially responsible, innovative electrical engineers and researchers of excellent quality to contribute the region & the nation.

### **Mission**

Our mission is to provide electrical engineers with innovative ideas and skill which matches with current industrial standards.

## **PROGRAM EDUCATIONAL OBJECTIVES**

**PEO 1-** The students will have the skills and knowledge in the area of Electrical Engineering with sound foundation, essential engineering fundamentals and latest development in the field of Electrical Engineering.

**PEO 2 -** The students will have skill to participate successfully in implementation of multi-disciplinary projects

**PEO 3 -** The student will be promising and their communication will be strong for working in multi-disciplinary work environment

**PEO 4 -** To provide social responsibilities, solution for the development of environment and making them prompt in ethics.

## **PROGRAMME OUTCOMES**

**PO1. Basic knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Electrical engineering problems.

**PO2. Discipline knowledge:** Apply Electrical engineering knowledge to solve broad-based electrical engineering related problems.

**PO3. Experiments and practice:** Plan to perform experiments and practices to use the results to solve broad-based Electrical engineering problems.

**PO4. Engineering tools:** Apply relevant Electrical technologies and tools with an understanding of the limitations.

**PO5. The engineer and society:** Assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to practice in the field of Electrical engineering.

**PO6. Environment and sustainability:** Apply Electrical engineering solutions also for sustainable development practices in societal and environmental contexts.

**PO7. Ethics:** Apply ethical principles for commitment to professional ethics, responsibilities and norms of the practice also in the field of Electrical engineering.

**PO8. Individual and team work:** Function effectively as a leader and team member in diverse/multidisciplinary teams.

**PO9. Communication:** Communicate effectively in oral and written form.

**PO10. Life-long learning:** Engage in independent and life-long learning activities in the context of technological changes also in the Electrical engineering and allied industry.

**PROGRAMME SPECIFIC OUTCOMES**

**PSO1** - An Ability to analyze and handle various parameters of Electrical System

**PSO2**- An ability to apply knowledge, engineering skills and problem solving techniques  
in Electrical System

**FACULTY ACHIEVEMENTS****WORKSHOPS AND TRAINING PROGRAMS**

Sr. No	Name of Faculty	Faculty Attended training	Date
1	Mr. Jayprakash Sonone	National Level CEP Program on “Teaching Methodology” by Dr. A. K. Gupta at Padm. Dr VBKCOE Malkapur, Dist: Buldhana	22June 2016 To 24 June 2016
2	Ms. Payal Patil	National Level CEP Program on “Teaching Methodology” by Dr. A. K. Gupta at Padm. Dr VBKCOE Malkapur, Dist: Buldhana	22June 2016 To 24 June 2016
3	Mr. Antriksh Patil	MSBTE Training program at “Dahanu thermal Power Station”, Mumbai.	23 Jan 2017 To 25 Jan 2017
4	Ms. Ashwini Wankhede	National Level CEP Program on “Teaching Methodology” by Dr. A. K. Gupta at Padm. Dr VBKCOE Malkapur, Dist: Buldhana	22June 2016 To 24 June 2016
5	Mr. Manoj Wankhede	MSBTE Training program at “CSETCAL Industry Chandrapur	23 Jan 2017 To 25 Jan 2017

**PUBLICATION IN CONFERENCES & JOURNALS**

- ❖ Ms. Ashwini Wankhede “**Renewable energy control for sustainable future**” International Journal of Computer Science & Application (IJCSA) EISSN:0974-1011 Volume 9, No. 2, Apr-June 2016.
- ❖ Ms. Payal Patil “**Review of improve the power factor using sliding mode controller for three phase boost rectifier circuit**” International Journal of Computer Science & Application (IJCSA) EISSN:0974-1011 Volume 9, No. 2, Apr-June 2016.
- ❖ Mr. M R Wankhade and Mr. Antriksh Patil, “**Different technique for solar module performance efficiency improvement**” ICRTERES 1 APRIL 2017.
- ❖ Mr. Antriksh Patil and Mr. M R Wankhade “**Solar Panel Efficiency by using Different methods**” ICRTERES 1 APRIL 2017.

**INDUSTRY VISIT**

Industrial visits conducted by Electrical Engineering Department (Polytechnic 2<sup>nd</sup> Shift)

Department arranged industrial visit to the Soyo System Jalgaon, dated on 16<sup>th</sup> January 2017.

During visit students learnt about LED manufacturing process.



Department arranged visit to electrical locomotive workshop POH Bhusawal, dated on 19<sup>th</sup> September 2016. Students got knowledge about traction system.



Department arranged visit to electric Traction Distribution Malkapur, dated on 4 September 2017. Students learnt about the load distribution for railways.



Department arranged visit to 132 KV Substation Malkapur, dated on 26<sup>th</sup> August 2016. In this visit student understood the concept of electrical load distribution for domestic and commercial purpose.



## INDUSTRY EXPERT LECTURE

The following industries based lectures conducted by Electrical Engineering department.

Mr. Ravindra Reddy, Application Engineer at design technology, Pune, was delivering expert lecture on “Mat Lab software” dated on 29th august 2016.



Mr. M. J. Deshpande, MSEDCL officer Sangli, was delivering expert lecture on “Effect of transmission and distribution losses on cost of energy generation” dated on dated on 29<sup>th</sup> august 2016.



Industry Based Expert Lecture on “Guidelines of PLC Programming” By Ms. Supriya V. Gove dated on 30 Aug 2016.



**ACHIEVEMENTS IN TECHNICAL EVENTS**

- ❖ Nikita Fegade and Harshal Borole students of Third year **Electrical Engineering Dept.** secured runner up prize in **National level Technical quiz contest** held at Padm. Dr. V. B. Kolte College of Engineering & Polytechnic, Malkapur Dated on 27 January 2017.
- ❖ Dhanashree Chaudhary and Vaishali Satao students of 2<sup>nd</sup> year **Electrical Engineering Dept.** was the won First prize in the event of **National Level Technical Poster Presentation** held at Padm. Dr. V. B. Kolte College of Engineering & Polytechnic, Malkapur, dated on 27 January 2017.
- ❖ Md. Faizan and Arti Patil Students of 2<sup>nd</sup> year **Electrical Engineering Dept.** was **Secured runner up prize** of **National level Seminar presentation** held at Padm. Dr. V. B. Kolte College of Engineering & Polytechnic, Malkapur dated on 28 January 2017.
- ❖ Gajanan R. Vaidkar and Group was secured the First prize in the **National level project exhibition** with the name of **“Pro-Era 2K17”** held at Padm. Dr. V. B. Kolte College of Engineering and Polytechnic, Malkapur.



**EDITORIAL BOARD**

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- PROF. MANOJ R. WANKHADE, LECTURER/EE
- PROF. PAYAL A. PATIL, LECTURER/EE
- MS. GOPAL TRIVEDI (ALUMNI)
- MS. NIVEDITA MORE (STUDENT)
- MR. SUBHASH D. PATIL (PARENT)

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