News-letter (2015-16)

Electrical Engineering Department

VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES

VISION:

The vision of Electrical Department is to build up a research identity in all areas of Electrical Engineering uniquely. Through core research, education and hands on experiment the students will be prepared as the best professional engineers in the field of Electrical Engineering to face the challenges in such discipline..

MISSION:

The Electrical Engineering Department imparts high quality teaching, research and services that provide students a supportive environment. The department makes the best effort to promote intellectual, ethical and technological environment to the students. The department invokes the desire and ability of lifelong learning in the students for pursuing successful career in engineering.

State the Program Educational Objectives (PEOs)

1. To provide students with the knowledge of basic sciences and social sciences in general and Electrical engineering in particular, so as to impart the necessary skills to analyze and synthesize electrical circuits, algorithms and complex apparatus.
2. To inculcate in students Professional attitude, effective communication skills and capability to succeed in multi-disciplinary and diverse fields.
3. To provide technical knowledge, skills and competence to identify, comprehend and solve problems in industry, research and academics related to power, information and hardware.
4. To prepare and inspire the students to become future researchers/scientists with innovative ideas for a sustainable development.

About The Department

The department is well established with good number of experienced faculty members. The department moves with a vision to produce competent and disciplined electrical engineers.

Departmental laboratories are spacious and adequately equipped. The various faculties of department have presented/published papers in National/International Conferences and journals. Department is proactive in organizing workshops/seminars in different areas. For all round development of students various expert lectures, industrial visits are periodically organized. The academic results are excellent.

Department of Electrical Engineering aims to establish a center of excellence in various areas of electrical engineering such as power quality, energy management, audit etc. and to offer value added services to industries as well as society.

"One man's "magic" is another man's engineering. "Supernatural" is a null word."
— Robert A. Heinlein

Laboratories

Departmental has six well established laboratories and highly updated and advanced equipments that will help to enhance the student's technical knowledge to improve their technical skill that can be utilized to explore their knowledge in the outside industrial world.

List of laboratories

1. DC Machines Lab
2. AC Machines Lab
3. Power Electronics Lab
4. Electrical Measurement Lab

5. Communication Engineering Lab
6. Project & Engineering Lab
7. Project Lab
8. BEE Lab
9. Power System Analysis Lab
10. Electrical Network Lab

Departmental Activities

Every year Department conducts various events and activities to emphasise student's overall development and improvement. These include academic as well as extra curriculum activities. Students are motivated to participate and present papers in national conference. Industrial visits are also arranged time to time for getting exposure of industrial environment. Guest lectures are also organized by inviting resource person from industries of high repute. Faculty development program, approved by ISTE, is also organized for their skill development.

Industrial Visit

1. Dahanu Thermal Power Plant

Industrial visit to let students more reliable with the practical approach was held for one day to Reliance Thermal Power Station, Dahanu on 8/3/2016 with 75 students of fourth semester. Prof. Pratik Mahale, Prof. Kavita Mhaskar and Prof. Mithil Masurkar accompanied to students.

2. Gas Turbine Power plant, Uran Raigad

Another industrial visit was held at Gas turbine power plant at Uran in Raigad district, Maharashtra for sixth semester students on 11/3/2016 accompanied by prof. Mukesh Mishra, Prof Sushant Bansal and Prof. Chitra Vangala. The visit was completely about the generation of electric power by using gas. The destination was chosen purposely as students had studied the same subjects in theory, to let them apply their knowledge with the practical applications.

3. Britto Solar Energy, Sathpala, Agashi

This visit was held on 1/4/2016 for VIII semester students with Prof. Mukesh Mishra, Prof. Vinod kumar Pal and Prof. Piyali Mondal .

Britto Solar Energy is a leading pioneer in designing, manufacturing and installing renewable energy systems with over three decades of accumulated backup, expertise, R&D work in all types of renewable energy systems.

Faculty Development programme

Faculty development program was conducted by Mr. Ravi Raman on the topic STRESS MANAGEENT. The program was much useful for day to day life and balancing the personnel's mental and physical state.

Dr. Bhushan Patil from Fr. Father Angel's college of Engineering, Bandra also delivered a lecture on Research Methodology and motivated faculty for research. He focused on review papers and research papers and how it is beneficial to the teaching profession. Review papers, Research papers and case study are the types of paper publications which can be put into practice. This publication work helps in developing faculty's skills as well as they can guide to the students to make their career path more shine.

Students Activities (EESA)

The EESA VIVA-TECH successfully organized the Second Inter collegiate Technical Festival Techchase-2015on 4th& 5thof September; 2015.Techchase was inaugurated by Principal Dr. Arun Kumar, Management members & Dr. Hiresh Lohar, VIVA I.M.R.

The following are the events of Dept. Of Electrical for TECHCHASE 2015:-

BLIND BUZZ

PRINCIPLE QUOTIENT: Magnetism and Sound Frequencies.

EXPLANATION:
A two member event where one of them will be blindfolded having a stick attached to a bar magnet whereas the other member will be given 4 speakers tuned to different frequency signals. The members aren't allowed to speak and depending upon the different sounds from speakers the blindfolded person has to collect the pieces of metal straps placed on the ground with the help of the bar magnet.

BEWARE

PRINCIPLE QUOTIENT: Electrical continuity of a circuit.

EXPLANATION:
A metallic frame having a number of cavities. The cavities are partially covered with metallic bottle caps. Rubber coins will be placed in those cavities having the exact same radii. One terminal of 12V battery will be connected to the metallic frame and the other to the holder. The player has to pick up the rubber coin from

the cavity without touching the metal frame surrounding it, failing to which the buzzer will turn on and it will be considered invalid

MAGNETO (CAR MAZE)

PRINCIPLE QUOTIENT:
Variable magnetic field

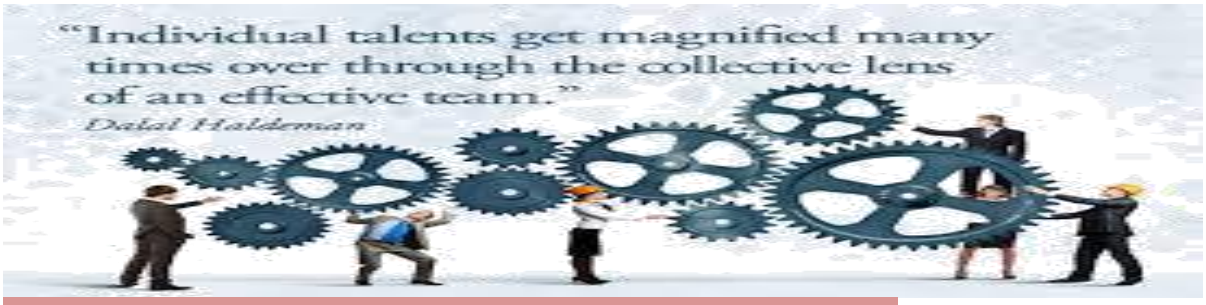
EXPLANATION:

A remote controlled car having a magnetic coil whose magnetic field is being controlled by a controller. Controlling the magnetic field the car will have to guide the metallic balls placed in a maze to their destined location. It is a time based event

Students Achievements

Sr.no.	Name of Students	Achievements
1	Ankit Deepak Patil	Awarded in cricket finalist place in event in Innovators 2016 at Vivek College of Commerce Goregaon.
		Winner in cricket at SKREAM 2016 at K.J. Somaiya College of Engineering.
		Participated in TCCC 2016 and placed as Quarter Finalist of tournament in Inter college cricket championship.
2	Amey Jagdish	Participated in Cricket Winner at SKREAM 2016.
		Participated in TCCC 2016 and placed as Quarter Finalist of tournament in Inter college cricket championship.
3	Dakshesh Kosabia	Participated as Author and presented paper in NCRENB 2016 at Viva Institute of Technology.
		Participated in TASK FORCE HEAD in 2015-16
		Participated as student coordinator
4	Mansi Kalena	Secured second prize in BOX CRICKET competition in HITAISHI 2015
		Participated in TECHNICAL PAPER PRESENTATION in IEEE OMEGA International
		Exhibited project on Multiport DC-Dc converter for renewable energy source in National conference NCRENB 2016

		Participated as Author and presented paper in NCRENB 2016 at Viva Institute of Technology
5	Amita Upadhyay	Participated as Author and presented paper in NCRENB 2016 at Viva Institute of Technology
		Exhibited project on Maglev Windmill in National conference NCRENB 2016
6	Sandesh Baisane	Participated as Author and presented paper in NCRENB 2016 at Viva Institute of Technology
		Participated as Student coordinator in EESA 2016
7	Dhwanik Panchal	Recognition for RUNNER-UP in POPULAR VOLALS in LEAK 2016
8	Kunal Vyas	Winner in Duet Singing in LEAK 2016
		Participated as Student coordinator in EESA 2016
		Secured 1st position in Singing in ZODIAC 2015-16
9	Manisha Ahirwar	Participated as Student coordinator in EESA 2016
10	Kavita Ahirwar	Exhibited project on Portable Biogas Plant in National conference NCRENB 2016
11	Aniket Abhyankar	Exhibited project on Portable Biogas Plant in National conference NCRENB 2016
		Participated as Student coordinator in EESA 2016
12	Pushpa Dhengle	Exhibited project on Portable Biogas Plant in National conference NCRENB 2016
13	Chitra Chaurekar	Secured 2nd position in poster Presentation 2016
14	Akshay Darekar	Participated in POSTER PRESENTATION in IEEE OMEGA International
		Participated in TECHNICAL PAPER PRESENTATION in IEEE OMEGA International
		Participated in 2nd National Level Project Exhibition Cum Poster Presentation 2016
15	Dinkar Vanjare	Participated in Volley Ball Men's in National Level Inter-collegiate Engineering Sports Meet SUMMIT 2015
16	Naidevya Pimple	Participated in Kabaddi in National Level Inter-collegiate Engineering Sports Meet SUMMIT 2015
18	Vaibhav Belwalkar	Participated in Volley Ball Men's in National Level Inter-collegiate Engineering Sports Meet SUMMIT 2015
19	Vedanta Patil	Secured 1st prize in Dance competition in HAITAISHI 2015
20	Nilesh Vesvikar	Participated in National Workshop on Financial Technical Analysis held in 2015.



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Robert A Heinlein

Result Analysis

Semester VII

Sr. no.	Subject	Faculty	Passing %
1	Electrical Machine Design	Prof. Anojkumar Yadav	100
2	Power System Operation and Control	Prof. Vinayak Gaikwad	100
3	High Voltage DC Transmission	Prof. Prajakta Patil	99
4	Control System II	Prof. Sushant Kumar	99
5	High Voltage Engineering	Prof. Pratik Mahale	100
6	Renewable Energy And Energy Storage System	Prof. Adil sheikh	100

Top Rankers

Disha Upadhyay for securing 10/10 pointers in SEM VIII examination held in May 2016.

1. *Rasika Pujare* secured 1st rank for the academic year 2015-16, secured 8.63 CGPI.

2. *Mihir Shah* secured 2nd position for the academic year 2015-16, secured 8.35 CGPI.

3. *Dinesh Thakur* secured 3rd position for the academic year 2015-16, secured 8.22 CGPI.