



DEC 2022



Our Inspiration



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

VISION

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

MISSION

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



Shri. Raosaheb Shekhawat
Chairman & Managing Trustee

Department of Electrical Engineering

SHOCKWAVES (Newsletter) Volume-X, Issue-I

Activities Conducted

Teachers Day



Department under EESA has celebrated Teachers day on 05/09/2022. The aim of the celebration is to raise awareness about the role of teachers in playing quality education at all levels and to improve the situations of teachers in the world.

Teachers' Day in India is celebrated on 5th September to commemorate the birth anniversary of Dr. Sarvepalli Radhakrishnan. He was a renowned scholar, recipient of Bharat Ratna, first Vice-President, and second President of independent India. He was born on 5 September, 1888. As an educationist, he was an advocate of edification and was a distinguished envoy, academician, and above all a great teacher.

Amidst the pandemic, Electrical Engineering Students Association EESA, Department of Electrical Engineering, SSBT's College of Engineering and Technology, Bambhori, Jalgaon. The whole event was meticulously planned by EESA members. The program was hosted by Mr. Jayesh Wagh (EESA student Coordinator). A video about Teachers Day in hindi is shown to all students which shows the biography of Dr. Sarvepalli Radhakrishnan. Ms. Jagruti Kasar and Mr. Jayesh Mali spoke on the importance of celebrating Teachers Day and also on the inherent qualities of the teachers. A motivational speech given by Mr. V. S. Pawar (HOD, Electrical) on importance of student teacher relationship and positive learning environment for the students. Program was concluded by vote of thanks.

Objective of Program

The objective of the program is to

1. Mark the birthday of the country's former President, scholar, philosopher and Bharat Ratna awardee, Dr. Sarvepalli Radhakrishnan
2. Celebrate the role played by teachers in community upliftment.
3. Honor teachers for their contribution in impacting knowledge among people in the society.
4. Remind the country of the importance of teachers.

Outcome of Program

The program helps the students to

1. Recognize the central role teachers play in nurturing and guiding infants, children, youth and adults through the lifelong learning process.
2. Celebrate knowledge and its role in societal advancement.
3. Appreciate the great scholars that have made tremendous contributions in academia.

Activities Conducted

Engineers Day



Department under EESA has celebrated Engineers day on 15/09/2022. The aim of the program is to appreciate the contribution of engineers and to mark remembrance and tribute to Sir Mokshagundam Visvesvaraya, who is considered as one of the greatest engineers in the country.

Engineers Day is an annual event to be celebrated in India. The nation commemorates it on the 15th of September every year. The day is dedicated to the engineers of the nation for their contribution in making society a place to live. This event has a grand celebration in the educational institutions related to engineering and technology. The day inspire the students, especially engineering students, to put their all effort towards their goal and to commemorate the great engineer and statesman of the history of India Sir Mokshagundam Visvesvaraya.

Engineers Day is a very significant national event, celebrated especially in the educational institutions related to the fields of engineering. Electrical Engineering Students Association EESA, Department of Electrical Engineering, SSBT's College of Engineering and Technology, Bambhori, Jalgaon has organized the Engineer's Day on 15/09/2022 through the online platform Google meet at 03:00 pm. This is a very special day for engineering students. Students decorate and set a photo of Sir Mokshagundam Visvesvaraya with a fresh garland on it. A video about Engineers Day is shown to all students which show the biography of Sir Mokshagundam Visvesvaraya. Students and teachers deliver the speech on Sir Mokshagundam Visvesvaraya life so that the students can take inspiration from him. All the celebrations of the day remain focused on motivating students and telling them the scopes of engineering in the modern era.

Objective of Program

The objective of the program is to

1. Take a pledge to promote and encourage the youth to select for Engineering education.
2. Produce quality Engineers for the bright future of our country.

Outcome of Program

The program helps the students to

1. mark the achievement of India in engineering as the engineers are now working abroad as well and are employed in many foreign companies.
2. make them realize that they are doing one of the best jobs in the world.

PROGRAM OUTCOMES(POs)

1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems
2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES(PSOs)

1	Apply principles of engineering, electronics and computer science; basic science, mathematics (including differential equations, discrete mathematics and linear algebra) and laboratory skills for building, testing, operation and maintenance of electrical systems.
2	Model, analyse, design, and realize physical systems, components or processes related to electrical engineering systems.
3	Be prepared to work professionally in power systems engineering, control systems engineering and software industries.

Guest Lecture by Alumini



Alumni of the department, Ms. Vaishnavi Mahajan, graphic designer, a student working at KBR Pune, provided valuable guidance to the students on 15th Dec. 2022. Alumni working in automation field. There is no doubt that her guidance will be useful for the future of students. The department appreciated and congratulated her and gave her warm wishes for her future life.



Mr. Rajendra Patil, alumni of our college of 2020 batch and presently working as Automation Engineer, Affordable Robotics and Automation Pvt Ltd Pune, has delivered key note address to first year Electrical Engineering students on 28/12/2022. He highlighted need, necessity and requirements of the industry from core field Electrical Engineering. He also talked about demands of Electric vehicles, BLDC motors and construction of Electric charging stations across the lengths and breadth of India. On behalf of department we congratulated him for opting career in core field and wished him best wishes for his bright future..

MoU Signed by Department

A Memorandum of Understanding (MoU) is a formal agreement between two or more parties. Companies and organizations can use MoUs to establish official partnerships.

Purpose of MoU

The purpose of Department MoU with Industry can minimize the gap between learning and carrier opportunity. The industry has many new technology requirements, so **Industry-Academic Interaction** plays a vital role in the **Placements and Carrier growth for the students**. We have signed MoU with the following Academic and industry Institutes. The MoU is intended to recognize the general basis for a cooperative and a collaborative working relationship between the two parties. The purpose of MoU is to have mutual intentions to jointly work on projects required for industries and research needs, with learned faculty of good industrial experience and promising students, jointly agree to exchange their expertise for mutual benefit and growth, on the areas specified below:

- Industrial Visits
- In-plant Training & special Technical Training to make the students industry-ready
- Guest Lectures
- Mini Projects and Main Project Work
- Research & Development
- Problem Solving
- Studies & Survey
- Placements
- Internships
- Establishing Advanced Labs

S.N.	Name of Institute/Industry	Date of Signed MoU	Duration of MoU
1	7 P arallels Tectrno-Consultants Pvt. Ltd. Llnit1.6, Lotus Star, Plot No. D-5 Cross Road N o.20, MIDC, Andheri tE), Mumbai-40 0 09 3 Maharashtra	13 th Sep , 2021	Two Years
2	Automation Services & Prolific Systems & Technologies Pvt. Ltd. PLC & SCADA Automation Training, 36, Preet Chamber, Mumbai-Pune highway, Wakadewadi, Shivajinag ar, Pune -411003, Mah arashtra	13 th Sep , 2021	Two Years
3	7 P arallels Tectrno-Consultants Pvt. Ltd. Llnit1.6, Lotus Star, Plot No. D-5 Cross Road N o.20, MIDC, Andheri tE), Mumbai-40 0 09 3 Maharashtra	10 th Jan, 2022	Two Years

Activities Conducted

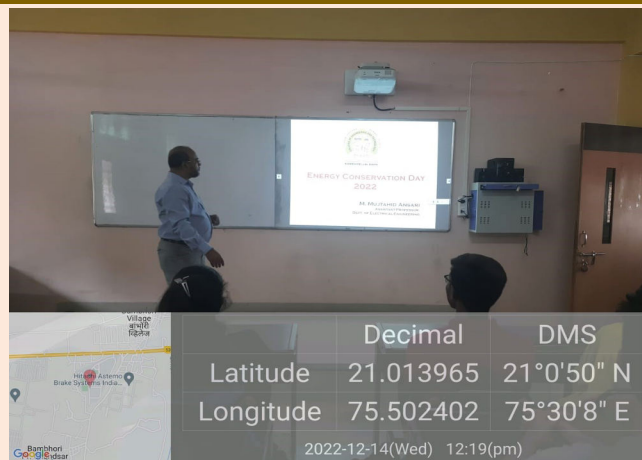
Industrial Visit



The visit on 17th Oct 2022 to 220/132/33kV Digital Substation, MSETCL, the knowledge industry organization, provided new trends in manufacturing, maintenance and safety. The industrial visit provides the practical visualization of theoretical study of various engineering subjects.

The main objective behind these visits is to explain the working of industrial equipments in running conditions to the students and tell them about the expectations of the industrialists from the fresh engineers.

National Education Day



The National Education Day program was celebrated on 11th Nov. 2022. The Government of India, Ministry of Human Resource Development has declared 11th November as "National Education Day", to commemorate the Birth anniversary of Maulana Abul Kalam Azad an eminent educationist, great freedom fighter, and the first Education Minister of India vide Resolution No. 17-35/2004-PN.I dated 11th September, 2008.

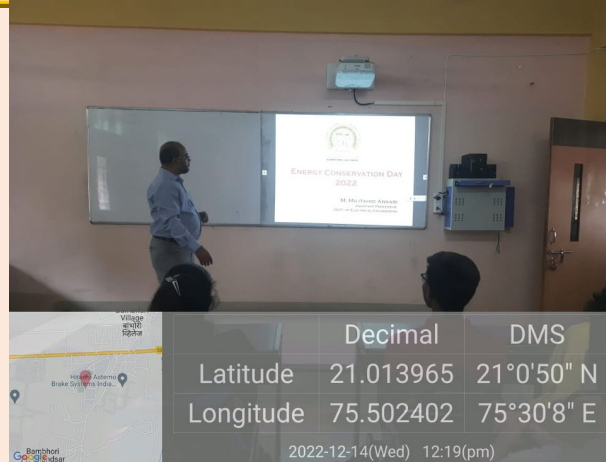
Activities Conducted

Constitution Day



Constitution Day, also known as "National Law Day", is celebrated in India on 26 November every year to commemorate the adoption of the Constitution of India. On 26 November 1949, the Constituent Assembly of India adopted the Constitution of India, and it came into effect on 26 January 1950. So, we celebrated Constitution Day on 26th November 2022.

National Energy Conservation Day



Department celebrated National Energy Conservation Day on 14th December 2022. This activity provides knowledge of limited conventional energy generation, energy audit and conservation, financial analysis, energy efficient motors and other electrical goods, scope of energy saving in domestic, industrial, agriculture sectors and demand side energy managements. Energy conservation is mandatory and answerable to next generation.

The Objectives of activity are to understand the need of energy audit and conservation, social and environmental cause as per Energy conservation Act. Students will be able to understand the scope of demand side management, energy efficient motor and energy conservation in motors, lighting, furnace and refrigeration.

Activities Conducted

Induction Program



Constitution Day, also known as "National Law Day", is celebrated in India on 26 November every year to commemorate the adoption of the Constitution of India. On 26 November 1949, the Constituent Assembly of India adopted to the Constitution of India, and it came into effect on 26 January 1950. So, we were celebrated Constitution Day on 26th November 2022.

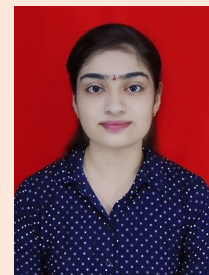
University Topper



Patil Mahima Anil

CGPA: 9.44

Ist Topper



Chaudhari Rucha Sharad

CGPA: 9.36

IInd Topper

Congratulations to Ms. Mahima Patil and Ms. Rucha Chaudhari who stood 1st and 2nd respectively at university level in the exam conducted by KBCNMU in April May 2022. Best wishes from Faculty members of Electrical Engineering Department .

University Results

Result 2021-22 UG (As per CGPA)

TE



Patil Samir Chetan
CGPA: 9.49
Ist Topper



Patil Bhushan Sandip
CGPA: 9.46
IInd Topper



Jadhav Sneha Jitendra
CGPA: 9.44
IIIrd Topper

BE



Patil Mahima Anil
CGPA: 9.44
Ist Topper



Chaudhari Rucha Sharad
CGPA: 9.36
IInd Topper



Sapkale Jayshree Subhash
CGPA: 9.31
IIIrd Topper

Newsletter Committee

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Ms. Hemangi M. Charhate(BE)



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Vice-Principal



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