

DIRECTOR'S DESK



Hon. Achyut Sawantbhonsale
Executive Chairman, SYBES

I am very happy to know that Electrical Department is coming with its another issue of a Newsletter 'Jyotirgamaya' for the academic Year 2022-23. Today, the role of the institute is not only to pursue the academic excellence but also to nurture the holistic development in them. I appreciate the efforts taken by the department for the overall development of students. On our part, we are always trying to provide the best to our students. Definitely our future engineers will shine in all fields. I congratulate the team of Newsletter for taking the efforts and I wish good luck to all.



Editorial Committee

Editor in Chief

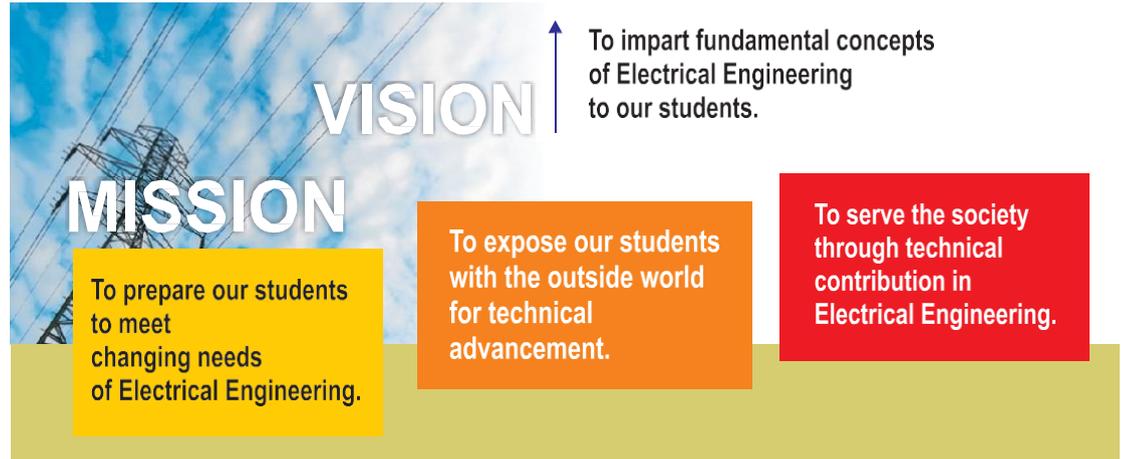
Mr. G. A. Bhosale (Vice Principal)

Co-Ordinator

Mrs. Nehal N. Sandye (Lecturer)

Departmental Faculty Member

Miss. T.R.Shenai (Lecturer)



VISION ↑ To impart fundamental concepts of Electrical Engineering to our students.

MISSION

- To prepare our students to meet changing needs of Electrical Engineering.
- To expose our students with the outside world for technical advancement.
- To serve the society through technical contribution in Electrical Engineering.

Industrial Visit to L.R.Enterprise,Kudal



Electrical Department of YashwantraoBhonsale Institute of Technology, Sawantwadi successfully arranged an Industrial Visit to L.R Enterprises, Kudal on 5/10/2023. L. R. Enterprises which is leading manufacturer of oil cooled distribution transformer, isolation transformer, current transformer, control transformer and also provides transformer repairing and maintenance services in Sindhudurg district. During the visit, students were very well guided by company CEO, Mr. Somdutt Rawool, where students observed actual assembly, repairing and maintenance work of transformer. Employees from L.R Enterprises showed various aspects of company during the visit. Students raised many doubts throughout the entire visit. The entire visit was successfully organized by the faculty members Ms. T.R.Shenai , Mr. S.N.Nirmalkar, Mr. S.S.Ghadigaonkar.

The overall Industrial Visit was very informative and interactive. Many students asked their doubts, queries regarding repairing, maintenance process of different types of Transformers and sir cleared all queries.

HOD'S DESK



Mr. D.D.Patil
HOD,
Electrical Dept.

I am delighted to extend my warmest congratulations to everyone associated with the Electrical Department on the successful publication of the latest edition of the 'Jyotirgamaya' newsletter.

The Jyotirgamaya newsletter is an excellent platform for showcasing the outstanding achievements, innovative research, and noteworthy activities of our department's faculty members, students.

This year has been a challenging one for all of us. However, the determination, resilience, and hard work displayed by our team have been truly commendable.

I would like to take this opportunity to congratulate the editorial team for their outstanding efforts in bringing this newsletter to fruition.

Let us continue to work together to achieve our goals and objectives



Industrial Visit to 33/11 KV Kolgaon

Department of Electrical relay, concept of circuit engineering organised breaker , working of Industrial Visit to 33/11 KV isolater, working of ring Kolgaon Substation on feeder , types of energy 5/10/2023. Students of Third meter etc.

Year Electrical Mr.Dipak Khobragade and ofYashwantraoBhonsale Mr. S.R. Kohale sir Institute of Technology explained all about visited the 33 / 11 KV substation components in substation at Kolgaon detail. Mr. D. D. Patil, 5/10/2023.

Ms.S.N.Hewalekar, Mr. During the visit, students H. A. Pawar and observed construction and Ms.N.N.Rawool guided working of Power students further.This visit transformer, maintenance of was successfully organised transformer, testing, types of by Ms. S.N.Hewalekar.



SUMMER 2023 RESULT : TOPPERS

FY EE



PRATIK ZARPAKAR 87.43%
ATHARWA PARAB 82.71%
RUPALI KATALE 75.71%

SY EE



POOJA LAMBAR 88.89%
SANKET SUTAR 82.86%
SHARDUL JOG 82.35%

TY EE



PALASH DHURI 86.67%
KETAN PAWASKAR 85.83%
VIVEK KAVTHKAR 85.06%

ROCK & REEL

competition on 2nd October 2023

This year on the occasion of Gandhi Jayanti on 2nd October 2023, the Department of Electrical Engineering organized Rock & Reel i.e a reel making competition for all YBIT students. The theme of making reel was the Importance of Cleanliness. This competition was open for all YBIT students. The students from various departments participated in this competition. The main objective of this competition was to promote cleanliness, hygiene and the values propagated by Mahatma Gandhi through social platform. More than 60 students participated in this competition. . The consolation prize of this competition was given to Mr. Pratik Zarpakar, SY EE. 2nd runner up was Jay Akerkar from TYCE and 1st runner up duo of this competition was Suyog Desai & Santosh Sharma from SY ME-B. Jay Bhalekar and Samson Raudrigues, TYEE were declared as the winners of this competition. Mrs. Manasi Kudatarkar, Librarian of YBIT & Ms. Hawabi Shaikh , Lecturer from civil department were the jury members for this competition. The competition was successfully arranged and conducted by Departmental Event co-ordinator Ms. T.R.Shenai and staff members of Electrical Department under the guidance of Mr. D.D.Patil, HOD of Electrical Department.

Parents–teacher meeting for SY EE students



Electrical Department successfully arranged Parents Meet for Second Year Students. The purpose of Parents meet was to improve the coordination between teachers and parents for improvement in each students Academic Performance, attendance of students, how effectively mentorship is adopted, Training and placement information etc. Ms.S.N.Hewalekar explained the overall information about the training and placement cell. After that the parent representative, Principal Sir and HOD were felicitated.

Hon.Vice Principal Mr.G.A.Bhosale sir addressed the student and gave important message regarding the curriculum and encourage students for participating in activities and also adviced students to focus on academics .Then Electrical Department HOD Mr. D.D. Patil sir informed the parents about all the activities of the department in this semester, exam schedule, students progress, discipline of college. Also Parent representative Mrs.Uma Zarpakar madam expressed her views in the parent meeting.After that, the dignitaries felicitated the toppers of First year Electrical. For meeting. This parents meeting was successfully arranged by the SY Electrical class teacher Mr.S.N.Nirmalkar.

The faculty members of the Electrical Departments such as H.A.Pawar, Ms. S.N.Hewalekar ,S.S.Ghadigaonkar and Ms. N.N.Rawool were also present. Ms T.R. Shenai delivered the vote of thanks.



Electrical Safety & Energy Conservation Awareness

On the occasion of Engineer's Day, 15th September 2023, students from Electrical Engineering Department distributed the pamphlets on Electrical safety and energy conservation awareness in campus. Students circulated the pamphlets to various Non Engineering persons for creating awareness related to Electrical safety and Energy conservation tips. For this awareness program students got guidance from faculty member Ms. T.R.Shenai and Mr. D.D.Patil, HOD of Electrical Department.



YBIT ORGANIZED A 3 DAY LIFE SKILLS TRAINING PROGRAM

Training and Placement Cell of YBIT organized A 3 Day Life skills Training Program in association with Barclays and Rubicon Foundation for final year students of polytechnic section from 8 -ugust 2023. On this occasion, Vice Principal of YBIT Mr Gajanan A Bhosale sir, Mechanical HOD Mr A J Rane Sir, Electrical HOD, Mr D.D.Patil, T P Cell team and Trainer Mr Santosh Nalavade were present. The program was started by welcoming and lighting the traditional lamp.G.A. Bhosale sir gave the best wishes for this program. Mr. Milind Desai explained the importance of life skills. Trainer Mr Santosh Nalavade sir explained importance of the program. Ms Shrutihewalekar delivered vote of thanks. Over 180 students were present.

Engineer's Day celebration

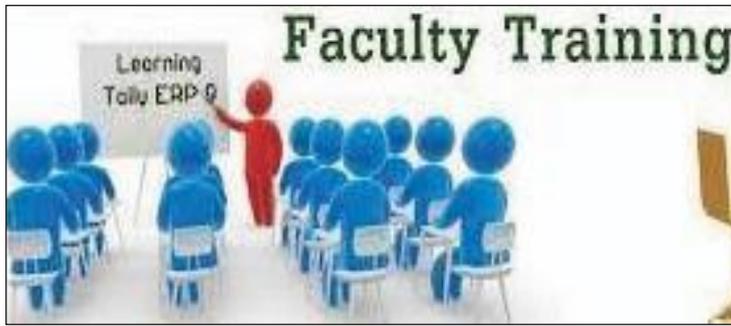
On the 15th September 2023, HOD of CO Department, Mr. on the occasion of Engineer's A. J. Rane, HOD of ME Day, Department of Electrical Department, Mr. Engineering organized P.P.Sawant, HOD of CE MAKE IT CREATIVE department were present. All poster making competition for faculty members of Electrical students. The theme was Department were present. Ms. making creative and self Vedangi Nalavade, TY EE got expressive poster related to the 1st rank. First runner up Electrical Engineering was Saurabh Sawant from stream. Dr.Raman Bane, TYEE and Second runner ups Principal of YBIT inaugurated were Saloni Satelkar from SY the event.Vice Principal, Mr. EE and Sanket Sutar from TY G.A. Bhonsle was also EE. The program was present. Students welcomed successfully organized by all the dignitaries by offering Ms.T.R. Shenai, Event co-roses .Mr. D.D. Patil, HOD of ordinator, Electrical EE Department, Mr. P.D.Kate, Department



YBIT organized Awareness session for Maharashtra Student Innovation Challenge



Institution Innovation Cell of participation. Mr Milind YBIT organized awareness Desai explained all phases session for Maharashtra and rules of competition.For Student Innovation this session, Mechanical Challenge. On this Occasion, HOD Mr A J Rane, Electrical Vice Principal, Mr G A HOD Mr D.D.Patil and all T Bhosale sir expressed his P Cell team members and all thoughts on why innovation departments final year is necessary. He appealed students were present. students for maximum



Faculty Training



Mr. D.D. Patil, Head of the Electrical Engineering Department, successfully participated in a one week Professional Development Programme on PLC and S C A D A conducted by the NITTTR, Chennai from 27/3/2023 to 31/3/2023.



Ms. T. R. Shenai, from Electrical Department successfully completed A 2 Day FDP on Multiple Attribute Decision Making Methods organized by Government Polytechnic, Solapur from 20/7/2023 to 21/7/2023.



Ms. T.R. Shenai and Mr. H.A. Pawar from Electrical Department successfully completed MSBTE approved A 2 Day FDP on Energy Conservation and Audit from 14/7/2023 to 15/7/2023 organized by Government Polytechnic, Solapur.

Parents meet of TY EE students held on 7 th October 2023



Electrical Department successfully arranged Parents meet for Third Year Students. The purpose of Parents meet was to improve the coordination between teachers and parents for improvement in each students academic performance, attendance of students, how effectively mentorship is adopted, Training and placement information etc.

Ms. S.N. Hewalekar explained the intention of organizing the parent meeting. After that, Hon. Principal Sir, Vice Principal sir and HOD, TPO head, parent representative were felicitated. Hon. Dr. Raman Bane sir addressed the students and gave a message regarding upgraded technology and for this purpose requirements of higher education and updated technical skill. Hon. Vice Principal Mr. G.A. Bhosale sir addressed the student and gave important messages regarding the curriculum and encouraged students for participating activities and also advised students to focus on academics. Then Electrical Department HOD Mr. D.D. Patil sir informed the parents about all the activities of the department in this semester, exam schedule, students progress, discipline of college. Mr. M.R. Desai sir explained the overall information about the training and placement cell. Also Parent representative Mrs. Dipali Bhalekar mam expressed their views in the parent meeting. After that, the dignitaries felicitated the toppers of Second year

Electrical students. This parents meeting was successfully arranged by the TY Electrical class Teacher Mr. H.A. Pawar.

The faculty members of the Electrical Department Ms. T.R. Shenai, S.S. Ghadigaonkar and Ms. N.N. Rawool were also present. Ms. S.N. Hewalekar anchored the program and also delivered the vote of thanks. After that, one to one interaction with parents done by respective mentors.

All the parents were happy and satisfied with all the efforts taken by YBIT staff for betterment of their ward.

Teacher's Day Celebration

Students from Electrical Teachers Day. The program was towards teachers by giving short Department of YBIT celebrated started by paying tribute to speeches. At the end, Mr. Teacher's Day on 5th Dr. Sarvapalli Radhakrishnan. D.D. Patil, HOD from Electrical September with great Members of EESA welcomed Department gave valuable enthusiasm. The teachers and all the faculty members by guidance to students and student had gathered in the offering roses. Some students program was concluded. room no 33 in order to celebrate also expressed their gratitude

Student corner

Emerging Trends and the Future of Smart Grids-



Mr. Saurabh Sawant(TYEE)

Emerging Trends and the Future of Smart Grids-

As technology continues to advance, so will the capabilities of smart grids.

- **AI and Machine Learning: Artificial intelligence (AI)** will increasingly be used to predict demand patterns, optimize energy storage, and even detect potential grid failures before they happen. Machine learning algorithms will help improve grid resilience and efficiency.
- **Blockchain for Energy Transactions:** Blockchain technology could play a crucial role in improving transparency and security in energy trading. It can enable peer-to-peer energy exchanges, where consumers can sell surplus renewable energy directly to others in the network.
- **Energy Storage and Grid Balancing:** As energy storage solutions like lithium-ion batteries and advanced supercapacitors improve, they will become even more integral to the grid. Electrical engineers will work on integrating these technologies to ensure reliable and stable energy delivery.
- **Decentralized Energy Systems:** The rise of microgrids—localized grids that can operate independently from the main grid—will empower communities to generate and manage their own electricity. Engineers will be key in ensuring these systems are safe, efficient, and scalable.