

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.

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Editorial Committee

Editor in Chief

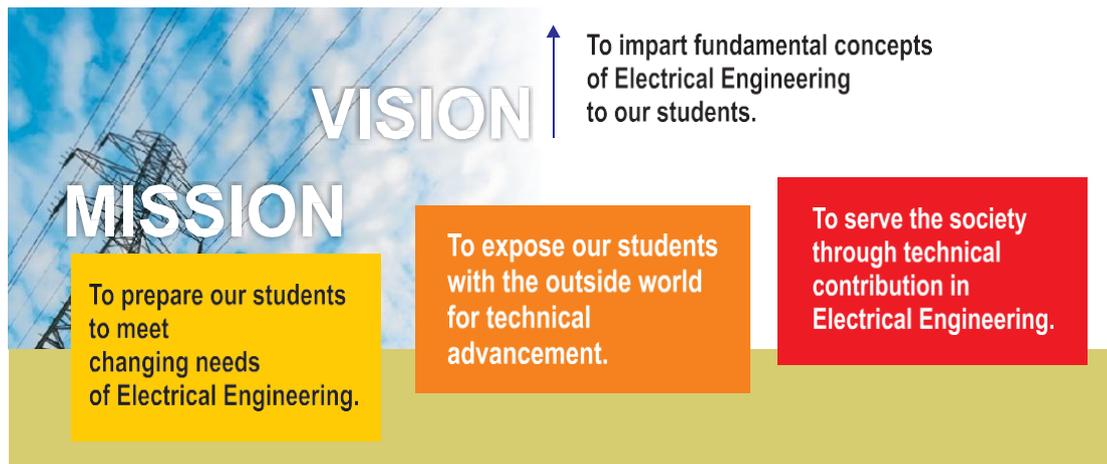
Mr. G. A. Bhosale (Principal)

Co-Ordinator

Mrs. Nehal N. Sandye (Lecturer)

Departmental Faculty Member

Miss. S.N.Hewalekar (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.



Teacher Parents Meet

Electrical Engineering Department successfully arranged Parents Meet for Third and Second Year Students. The purpose of Parents meet was to have coordination between teachers and parents for betterment of each student meeting started with felicitation of Toppers for respective years from Summer 2022.

Hon.Principal Mr.G.A.Bhosale guided parents about the approach of institute towards excellent performance of students, measures taken by institute and importance of road safety.

Mr D.D.Patil Sir HOD of Mechatronics gave information about importance of First Class in the career and various study techniques .Head Of Electrical Department Mr. B. M. Patil sir guided about Departmental activities , exam schedule, students' progress and discipline of college. TPO head Mr.Milind Desai sir gave detailed information about TPO & its importance. In the second half of the meeting, parents gave their suggestions and expressed gratitude for arranging the parents meet.

HOD'S DESK



Mr. B.M.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

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Expert Lecture on Modern Techniques in Switchgear and Protection

On 19th November 2022, Department of Electrical Engineering from Yashwantrao Bhonsale Polytechnic, Sawantwadi organized expert lecture on “Modern Techniques in Switchgear and Protection”. Mr. Onkar Marathe, Assistant Professor, Electrical Department, SSPM college of Engineering was the resource person. Marathe sir completed his Master's degree in control systems and has more than 10 year experience in teaching field. Mr. B.M.Patil, HOD from Electrical Department welcomed the guest of honour by offering bouquet. Mr. S.N.Nirmalar, faculty from Electrical Department welcomed Mr.B.M.Patil,HOD of Electrical Department.

The session started with introduction of some basic concepts in Switchgear and Protection and then focused on modern techniques used in it. During the session, guest speaker gave real life examples based on protection system. He also focused on different types of protective devices and difference between them. Throughout the session, students raised some queries which successfully cleared by the guest speaker.

The whole session was informative and interactive. The program was concluded by delivering vote of thanks. The overall program was successfully conducted by Ms. T.R.Shenai. All the faculties from Electrical Engineering Department were present for



WINTER 2021 RESULT : TOPPERS

FY EE



SY EE



TY EE



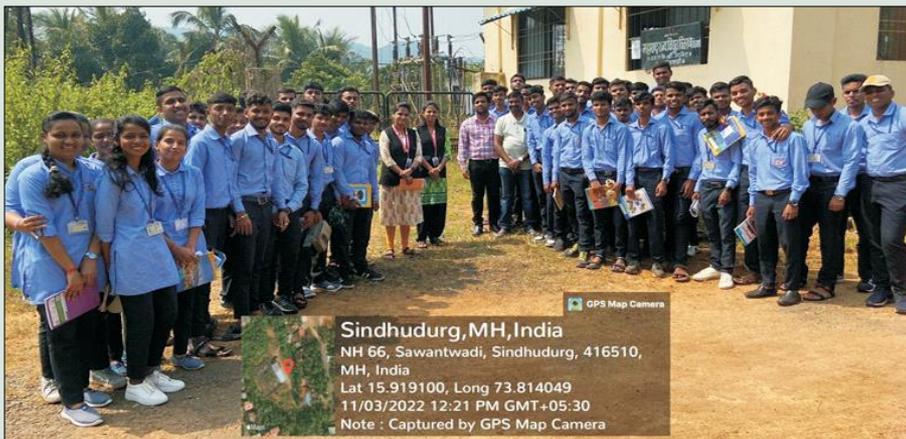
Role of Electrical Engineers In IT Sector



Electrical Department of Yashwantrao Bhonsale Polytechnic, Sawantwadi successfully conducted an expert lecture on “Role of Electrical Engineer in IT Sector” on 3rd December 2022. Mrs. Anjali Patwardhan-Goyal, was the guest lecturer. She has 25-years of industry experience.. She started her career with Siemens Information System Ltd. After that she also worked as Project Manger at Wipro. Now she is the vice president at Deloitte technology.

Hon. G. A. Bhosale (Principal of YBP) welcomed the speaker and guided the students. Speaker guided students on various topic like importance of basic computer language requirement of electrical engineer in IT sector, time management, and interview preparation, importance of diploma in technical filed, latest technology in industry, changing dimension of career opportunities for engineers, highly essential skills to learn for every engineering student, ocean of new age career opportunities, understanding the expectation of various companies to crack 1st job interview. Head of the department Mr. B.M.Patil, thanked all for successful conduction of this event. Program was successfully coordinated by Ms. S. N. Hewalekar

Industrial Visit at 33/11 KV Kolgaon Substation



Department of Electrical Engineering organized Industrial Visit at 33/11 KV Kolgaon Substation. This visit was arranged under the third year curriculum of Electrical Engineering for the subject “Energy Conservation and Switchgear Protection”. As per I scheme syllabus the information related to various insulators, isolators, busbar, transformer used in Electrical Power System, application of these equipment in Electrical Substations, industries etc., observe the Pole mounted Substation and Plinth mounted Substation. Also, students observed construction of transformer, circuit breakers. Students learnt about energy audit. Students were mentored and guided by Mr. Rajendra B. Bagalkar and other staff members on various aspects of the substation. Students asked many questions regarding different types of components. The entire visit was successfully organized by faculty members Ms. S. N. Hewalekar, Mr. H.A. Pawar, Ms. T.R. Shenai. Students observed the various components of Substation and understood workings of every equipment of the substation..

Student corner

HV Switchgear



Mr. VIVEK KAVITKAR (TYEE)

The HV switchgear market is witnessing robust growth driven by the rising demand for reliable power transmission and distribution networks, especially in developing economies.

Gas-insulated switchgear (GIS) is rapidly gaining traction due to its compact design and enhanced safety features, making it ideal for urban substations.

Technological advancements such as digital monitoring, AI-enabled predictive maintenance, and IoT integration are transforming switchgear reliability and operational efficiency.

The surge in renewable energy adoption and grid modernization initiatives is expanding the application scope for advanced HV switchgear solutions.

Innovations in eco-friendly insulating mediums, replacing Sulphur hexafluoride (SF₆), address environmental concerns and regulatory compliance pressures.

The HV switchgear market is primarily propelled by stringent industry regulations enforcing grid reliability and safety standards, alongside significant government incentives promoting smart grid and clean energy projects globally. Sustainable initiatives targeting carbon footprint reduction have accelerated the shift towards eco-friendly switchgear technologies, in line with mandates from environmental authorities. Moreover, rising electrification in emerging markets fuels growing consumer adoption of advanced HV switchgear.