

## ABOUT THE INSTITUTE

Sindhudurg Shikshan Prasarak Mandal's College of Engineering (SSPMCOE) is one of India's top-rated colleges for B.E./B.Tech programs. The institute was established in 1999 and is located in Maharashtra. This year Institute is celebrating Silver Jubilee Year. Institute is accredited by NAAC with B+ Grade in the year 2019 and now applied for second cycle OF NAAC. As of now, the institute comprises a total of 7 specialization courses: 1. Computer Engineering (CE), 2. Computer Science Engineering (AIML), 3. Computer Science (CS), 4. Electronics & Computer Science Engg, 5. Electrical Engineering, 6. Mechanical Engineering, 7. Mechatronics Engineering while the number of seats available in the current scenario is 360. Additionally, the institute revolves around the Engineering studies stream and offers courses in Full-Time mode. Moreover, it also offers Degree programs, giving students a variety of credentials to choose from. The institute is approved by AICTE and they provide a variety of UG programs at a reasonable fee. Sindhudurg Shikshan Prasarak Mandal's College of Engineering (SSPMCOE) possesses a modern type of infrastructure with great quality ensuring the students' satisfaction, consisting of Auditorium, Boys Hostel, Cafeteria, Girls Hostel, Gym, Hospital / Medical Facilities, Hostel, Labs, Library, Shuttle Service and so on.

Highly qualified, experienced and dedicated faculties as per AICTE New Delhi, DTE Mumbai and Mumbai University Mumbai. Consistently Rankers in Mumbai University merit list and average 95% result every year. We are implementing the Outcome based Education as per "Washington Accord" standards with strong industry academia interaction and practical oriented training. Institute has ventilated and spacious class rooms fully fledged & modernized laboratories with drawing hall.

## ABOUT THE DEPARTMENT

The mission of mechanical department is to impart quality technical education to deserving students from fundamentals of engineering to high technology and to prepare them for high profile career. To facilitate transformation of students into good human beings, responsible citizens and competent

computer professionals with research attitude. Mechanical department is providing qualitative teaching of engineering subjects, conduct laboratories in way to accelerate competence to budding engineers to equip them with tools to meet the challenges in competitive world. The department has 10 teaching faculty, 6 lab assistants, and 5 workshop/machine shop assistants. Building upon the culture, values of universal science and research technologies which lay the groundwork in shaping the future in the fields of Mechanical engineering. The mechanical engineering is well equipped with advance 15 labs to provide real life experimental setup and impart quality technical education to deserving students from fundamentals of engineering to high technology and to prepare them for high profile career.

## ABOUT THE FDP

Renewable Energy Sources are rapidly making their way up the energy agenda due to the following three reasons. Growing price competitiveness: Gas, fossil fuels and other energy alternatives-each with their unique advantages-collectively pose a threat to power plant operators and end users: volatility and insecurity of price. Long-term certainty: Renewable energy sources have been heavily encouraged by policy measures and financial support, with the explicit aim of driving costs down through early deployment. Energy security: It explores five types of renewable energy sources including wind, solar, biomass, geothermal and hydropower.

## TOPICS TO BE COVERED

Solar Cell/Photovoltaic Cell, Solar Water Heating, Solar Thermal Electricity, Combining Technology with Biology for Efficient Energy Production and Use, Designing Sustainable Engineered Systems, PV sun tracking systems, Renewable Ocean Energy Conversion Systems, Wind Turbines and towers, High Performance Green Commercial Building Valuation, Renewable conversion technologies, Renewable Energy potential and status in India, Biodiesel and biomass Production, From Microalgae Commercializing Sustainable Energy Technologies

**SINDHUDURG SHIKSHAN PRASARAK  
MANDAL COLLEGE OF ENGINEERING.  
KANKAVLI-416602, DIST: SINDHUDURG,  
MAHARASHTRA, INDIA**

Website(official): [sspmcoe.ac.in](http://sspmcoe.ac.in)  
PHONE: 91-2367-299214/299442/299112

Accredited by NAAC with 'B+' GRADE.  
Approved by AICTE NEW DELHI, DTE Mumbai  
Affiliated to Mumbai University, Mumbai



## One Week Faculty Development Programme (FDP)

On

## RENEWABLE ENERGY RESOURCES: CURRENT STATUS, FUTURE PROSPECTS AND THEIR ENABLING TECHNOLOGY

**16 – 21 December 2024**

In Association with  
**AICTE Training and Learning (ATAL)  
Academy**  
**All India Council for Technical  
Education (AICTE), New Delhi**



Organized by  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
(Our Motto: "Technical Excellence with Positive Attitude")

## PARTICIPANTS

Faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry Bureaucrats/Technicians/ Professionals/ School Teachers and faculties of host institutions nominated by the Head of the institutions.

## INSTRUCTIONS TO PARTICIPANTS

→ Participants can sign up and register for the program in AICTE ATAL website link:

<https://www.aicte-india.org/atal>

Or

<https://atalacademy.aicte-india.org/signup>

→ The FDP will be conducted in OFFLINE mode only.

→ Soft copy of identity proof of Institute/Organization is to be submitted.

→ Permission letter issued by Principal/ authority as per format is to be submitted

No Registration Fee for the participants. Registrations will be accepted on the first come first serve basis.

## Important Dates:

FDP Start Date: 16.12.2024

FDP End Date: 21.12.2024

Number of Participants is limited to 100

A test shall be conducted at the end of Program and Participants will be awarded a Certificate of participation by the ATAL Academy. The Certificate shall be issued to those Participants who put in a minimum of 80% attendance and score a minimum 70% marks in the test. E-certificate will be provided by the ATAL Academy.

## ADDRESS FOR REGISTRATION

### CORDINATOR

**Prof. Dr. Duradundi Sawant Badkar**

Professor, Dept. of Mechanical Engg.

Email: [atalfdp@sspmcoe.ac.in](mailto:atalfdp@sspmcoe.ac.in)

Mobile: 9421816280, 9620397797

### CO CORDINATOR

**Prof. Sachin Vilas Vanjari**

Head Deptt. Of Mechanical

Engg Email: [atalfdp@sspmcoe.ac.in](mailto:atalfdp@sspmcoe.ac.in)

Mobile: 9422381052

## RESOURCE PERSONS

**Dr. Suresh H. Jangam shetti,**

Vice Chancellor, Haveri University,  
Haveri, Karnataka,

**Dr. J. L. Bhagoria,**

Professor, Maulana Azad National Institute of Technology,  
Bhopal-462003

**Dr. Chetan Singh Solanki,**

Associate Professor,  
Department of Energy Science and Engineering,  
IIT Bombay, Powai, Mumbai-400076

**Dr. Joshua Earnest,**

Professor, National Institute of Technical,  
Teachers Training and Research (NITTR),  
Bhopal

**Dr. S. B. Thombre,**

Professor, Department Of Mechanical Engineering,  
Vishvesvaraya National Institute Of Technology (VNIT)  
Nagpur, South Ambazari Road, Nagpur-440010,  
Maharashtra, India

**Dr. Yashwant Kashyap,**

Assistant Professor, National Institute of Technology  
Karnataka, Surathkal, Mangalore-575025.  
Karnataka, India

**Dr. Duradundi Sawant Badkar,**

Principal & Professor, SSPM College of Engineering,  
Kankavali-416602, Maharashtra

**Dr. Nagaraj Bnanapuramath,**

Professor, KLE Technological University,  
B.V.B, College Egg & Tech. Hubballi, Karnataka

**Dr. Vikas Kumar,**

Professor, Maulana Azad National Institute of Technology,  
Bhopal, M.P

**Dr. D Venkatramanan,**

Assistant Professor, Department of Energy,  
Science and Engineering, IIT, Bombay, Powai,  
Mumbai-400076

## CHIEF PATRONS

**Hon'ble Shri Narayan Rane**

Founder, SSPM, Member of Parliament\

**Hon'ble Sou. Neelam Rane**

Chairperson, SSPM

**Hon'ble Shri. Nilesh Rane**

Vice-Chairman, SSPM, MLA-Maharashtra State

**Hon'ble Shri. Nitesh Rane**

Secretary, SSPM, MLA-Maharashtra State

## PATRON & CHAIRMAN

**Dr. Duradundi Sawant Badkar,**

Principal, SSPM's College of Engineering

## CORDINATOR

**Dr. Duradundi Sawant Badkar,**

Professor, Dept. of Mechanical Engineering

## CO-CORDINATOR

**Prof. Sachin Vilas Vanjari**

Head, Dept. of Mechanical Engg.

