



AICTE Training And Learning (ATAL)

Faculty Development Program

on

Recent Trends in Sustainable Power Generation: Pathways, Energy Storage, and Application

(August 05-10, 2024)



Celebrating 75 Years of Excellence
(Platinum Jubilee Celebration 1949-24)



Organized by

Department of Mechanical Engineering,
BIT Sindri

BIT Sindri, Dist: Dhanbad, Jharkhand-828123
Website: <https://www.bitsindri.ac.in>

Organizing Committee

Patron:

Prof. Pankaj Rai, Director, BIT Sindri, Dhanbad

Conveners:

1. Prof. Vijay Pandey
HoD, Dept. of Mechanical Engineering
2. Prof. Manoj Kumar
Professor, Dept. of Mechanical Engineering

Coordinator:

Dr. Yogesh Kumar Prajapati
Assistant Professor, Dept. of Mechanical Engg.

Co-Coordinator:

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About the Institute

BIT Sindri is one of the Premier Engineering Institutions in Jharkhand. The Department of Science and Technology, Govt. of Jharkhand, Ranchi, controls the Institute administration. It is affiliated to the Jharkhand University of Technology, Ranchi, which leads assessments, conducts examinations, and awards degrees. All the courses are approved by the All India Council of Technical Education (AICTE). Also, most undergraduate programs are accredited by the National Board of Accreditation (NBA), New Delhi.

About the Department

The Department of Mechanical Engineering, being among the oldest branches of BIT Sindri, was started in the year 1949. Ever since then, it has been playing a vital role in offering and producing skilled engineers to compete the upscaling industry demand. The department offers four years B.Tech degree program, and two years postgraduate (M.Tech) program along with PhD program in all domains of Mechanical Engineering.

About the FDP

Objective of this FDP is educate the professionals and researchers about renewable and sustainable energy by imparting a better understanding of this domain. This FDP will sensitize why and how to move towards sustainable energy and development? It will cover important types of renewable energy, latest storage techniques, applications and pathways. It also intends to serve as a forum to disseminate and discuss knowledge and recent advances in emerging net-zero emission technologies.

FDP Topic Highlights

1. Hydrogen energy production and storage
2. Key resources of renewable energy (solar, wind, hydro-power etc.)
3. Role of bio-energy and bio-fuel in sustainable development
4. Fuel cell technology and its application
5. Emerging methods of energy storage
6. Research methodology

Prospective Participants

Faculties, Research Scholars and PG students from AICTE approved institutions. Industry person and practitioners working in the areas of clean energy innovation. Selection of participants will be on first come first serve basis.

How to Apply

About Registration and Fee:

1. No Registration Fee
 2. Selection as per AICTE-ATAL guidelines, and first-cum-first-serve basis. **Maximum No. of participants are limited to 50.**
 3. Registration for this FDP may be done by **signing-up at the AICTE ATAL Portal.** Link is given below:
<https://atalacademy.aicte-india.org/login>
During registration, select the FDP name dated from August 05-10, 2024.
- TA and refreshment will be admissible as per ATAL FDP Norms.

Key Speakers

Prof. M. Pathak	Professor, Department of Mechanical Engineering, IIT Patna
Prof. S. Murugan	Professor, Department of Mechanical Engineering, NIT Rourkela
Prof. P. Chandra	Professor, Department of Mechanical Engineering, NIT Patna
Dr. S. Sarkar	Associate Professor, Department of Mechanical Engineering, IIT Dhanbad
Dr. M. S. Santosh	Sr. Scientist, CSIR-Central Institute of Mining and Fuel Research, Dhanbad
Dr. K. Raghuvanshi	Sr. Scientist, CSIR-Central Institute of Mining and Fuel Research,, Dhanbad
Dr. M. A. Hassan	Associate Professor, Department of Mechanical Engineering, NIT Jamshedpur
Dr. Shailesh Kr. Jha	Assistant Professor, Department of Mechanical Engineering, NIT Jamshedpur
Shri M. Kumar	Sr. Manager, Steel Authority of India (SAIL), Burnpur, Asansol
Shri D. Kumar	Sr. Manager, Hindustan Urvarak & Rasayan Limited (HURL) Sindri, Dhanbad

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REGISTRATION FORM

Name (Dr./Mr./Ms.) _____

Gender _____

Designation _____

Department _____

Institute/University/Company Name: _____

Address for communication _____

Email _____

Mobile No _____

Is your Institute approved by AICTE Yes/No?

Sign of the participant

SPONSORSHIP CERTIFICATE: This is to certify that Dr./Mr./Ms. _____ is an employee of our institute/company/organization. He/she is permitted to attend the program, if selected. He/she will be abide by the rules and regulations of the host Institute.

Signature of the Competent Authority
with date and seal