



**One
Week**

Faculty Development Programme

(Virtual Mode)

On

“Emerging Technology in Electrical & Allied Engineering”

(ETEAE-2022)

Date:

(27-31 Jan 2022)

Organized by

**DEPARTMENT OF ELECTRICAL
ENGINEERING**

BIT Sindri,

Dhanbad, Jharkhand-828123 (INDIA)

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www.bitsindri.ac.in

About the Institute

BIT, Sindri was started as College of Mechanical and Electrical Engineering in 1949. The institute grew and flourished rapidly during the early days under the dynamic leadership of Prof. D. L. Despande, Director, who is regarded as the architect of the institute. The institute is located at a distance of 28 kms from Dhanbad railway station linked by rail as well as road. It has a sprawling campus of about 450 acres of land near the eastern bank of river Damodar. The institute is fully residential for students as well as teaching and non-teaching staff.. The institute is administratively controlled by department of Science and Technology, Government of Jharkhand and academically it is affiliated to Jharkhand University of Technology, Ranchi for conducting examinations and awarding degrees. All courses are approved by AICTE and most of the undergraduate programs are accredited by the NBA.

The main aim of the institute is to provide valuable human resources for the industry and society through excellence in technical education and research for sustainable development. The college offers B.Tech courses in 10 disciplines of engineering namely Mechanical, Electrical, Metallurgy, Production & Industrial, Chemical, Electronics & Communications, Civil, Mining, Computer Science, and Information Technology besides ten M.Tech specializations and Doctorate.

The college possesses modern amenities which include multimedia auditoriums, seminar rooms, class rooms, a state of-the art well-stocked rich E- library, well-equipped modern laboratories and campus wide network & State of Art Siemens lab which is regarded as Centre of Excellence to meet the industry demand. The wide range of activities on campus, fully residential hostels, good sports facilities and never dying zeal of staffs and students for pursuit of excellence provides a pleasant and intellectually stimulating, proactive, conducive environment to students to feed their curiosities / interest and help them to prepare for the professional, academic and social life.

About the Department

The Department of Electrical Engineering was started in the year 1949 when the institute was born. The department offers four years B.Tech. Degree course with an annual intake of hundred students. Postgraduate program is also offered leading to M.Tech. degree with specialization in Control System and Power System and Doctorate program. The department is also looking after an electrical sub-station and is maintaining distribution line of BIT campus.

The department has well equipped laboratories required for Undergraduate, Postgraduate and Doctorate programs. The important laboratories include: Computer Lab, Control System Lab, Microprocessor Lab, Electrical Machines Lab, Instrumentation Lab, Circuit Lab, High Voltage Lab and Electrical Workshop. The prestigious million volt Atkinson High Tension Laboratory of the department is considered as first of its kind in India in the yesteryears.

About the Course

The aim of this one week FDP is to enlighten the participants in regards to the advancement in Electrical & Allied Engineering, which will be helpful for them in their future endeavors in teaching learning and research activities. This course includes innovative lectures, demonstration and visualization in recent trends and technology.

Objective

The objective of the FDP is to bring together the experts from industry and academia to share their experience and exchange their knowledge related to Emerging technologies in the areas of Electrical Engineering. The FDP will eventually open opportunities for teaching learning, research and consultancy in the upcoming areas of Electrical Engineering.

Theme

The main themes are:

- Power System
- Control and Instrumentation
- Renewable Energy
- Power Electronics
- Optimization techniques
- Other relevant topics

Who Can Attend

Faculty members, Research scholars (PG and Ph. D) looking to expand their knowledge about Advancement in Electrical & Allied Engineering. This can also be fruitful for persons working in different industries related to Electrical engineering.

Eminent Speakers

Dr. C K Panigrahi,
Professor, KIIT,
Bhubaneswar

Prof. M.Rizwan ,
Professor ,
DTU, Delhi

Dr. A K Chaudhary,
Assistant Professor,
BIT Sindri

Dr. Arup Kumar Goswami,
Associate Professor,
NIT, Silchar

Dr. Md. Abul Kalam, HOD,
Associate Professor,
BIT Sindri

Dr. Nirmala Soren
Associate Professor,
BIT Sindri

Dr. H M Dubey ,
Associate Professor,
BIT Sindri

Dr. Ravi Shankar,
Assistant Professor
NIT, Patna

**** Three (03) Eminent
speaker from Industry**

Organizing Committee

Patron

Prof. (Dr.) D. K. Singh, Director, BIT, Sindri

Program Chair

Dr. Md. Abul Kalam, Head of Department,
Asso. Prof., EE, BIT Sindri

Convener

Prof. (Dr.) Pankaj Rai, Professor, EE, BIT,
Sindri

Course Coordinator

Dr. Vineet Shekher, Asso. Prof., EE, BIT
Sindri

Dr. Hari Mohan Dubey, Asso. Prof., EE, BIT
Sindri

Course Co- Coordinator(s)

Dr. Nirmala Soren , Asso. Prof., EE, BIT Sindri

Contact Persons:

Dr. Vineet Shekher

Contact Number's:+91- 9034147386

Email: vineet.ee@bitsindri.ac.in

Registration Link:

<https://forms.gle/LvSDGqmu4hVrtn9d9>

Last Date of Registration: 23 January 2022

*No registration fee to attend/join this
FDP*

*E-Certificate will be provided to all the
Participants.*

*Note: Detailed Schedule will be sent to you to your
registered mail ID.*

Vision of the Department

To emerge as a globally recognized centre in the field of Electrical Engineering to provide valuable human resource and ambience for innovative research for sustainable development of industry and society.

Mission of the Department

- To offer state-of-the-art undergraduate, post graduate and doctorate programmes by providing a conducive environment towards outcome-based teaching learning process with knowledge and skill creation, suitable for contemporary and future needs of industry.
- To promote creative ambience in order to generate new knowledge by conducting quality research in collaboration with Electrical, Electronics and allied industries.
- To bridge the gap between industry and academia by framing curriculum and syllabi based on industrial and societal needs so that competency of the students matches the upcoming challenges in education, profession and life.
- To instil moral and ethical values among the students through holistic personality development so as to ensure human intellectual capacity to its full potential.

Program Specific Outcomes

PSO1: Ability to utilize the knowledge acquired from basic science, basic computing and electrical engineering courses to work in multi-disciplinary environment and to cater the diversified needs of industry and Academia.

PSO2: Ability to identify and solve different technical issues related with electrical engineering by integrating the knowledge acquired from the curriculum and industry- academia interaction.

PSO3: Able to demonstrate effective communication and inter-personal skills with management principles for career and professional advancement