In Collaboration
With
TEQIP – III

One Week
Faculty Development Programme

On

"Recent Advancement in Electrical & Allied Engineering"

(RAEAE-2021)

July 12th to 16th, 2021

Organized by

DEPARTMENT OF ELECTRICAL ENGINEERING
BIT Sindri,
Dhanbad, Jharkhand-828123 (INDIA)
Phone: 0326-2350495, 2350496
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, the then Director, who is regarded as the architect of the institute. The institute is located at 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 controlled administratively by the Department of Higher, Technical Education & Skill Development, Govt. of Jharkhand. 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, Chemical, Electronics & Communications, Civil, Mining, Computer Science, and Information Technology besides 10 M.Tech. specializations. The college possesses modern amenities which include multimedia auditoriums, seminar rooms, classrooms, 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, conductive 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 program and 2 year M.Tech program in Control system and Power System specialization.

The department is also looking after an electrical sub-station and is maintaining a 14 Km distribution line of BIT campus.

The department has well equipped laboratories required for undergraduate and postgraduate 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 about 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 recent advancement 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

Prof. (Dr.) Narendra Kumar Professor, EE, DTU, Delhi
Prof. (Dr.) Pankaj Kumar GM (Electrical and Inst.), RKM Powergen, Chhattisgarh
Dr. Preeti Prabhakar Chairperson, EE, GJUS&T-Hisar, Haryana
Dr. Sunil Kumar Chaudhary, Prof, EE, GCET, Greater Noida ,UP
Dr. R.K Viral Associate Prof, Amity University, Noida
Dr. Sumit Asstt. Prof., EE, GJUS&T-Hisar,Haryana
Dr. H.M Dubey Asso. Prof., EE, BIT Sindri
Dr. Shalini Rai, HCE, Sonepat, Haryana
Dr. Divya Asija Professor, EE, Amity University, Noida

Organizing Committee

Patron

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

Advisory Committee

Dr. Upendra Prasad – Dean Academic Cum PC TEQIP, BIT Sindri
Dr. R. C Jha, BIT Mesra
Dr. A.K Singh, Professor, NIT Jamshedpur
Dr. Niranjan Kumar, Professor, NIT Jamshedpur
Dr. F Ansari, Prof., EE, BIT Sindri
Prof. Rekha Jha, Asso. Prof., EE, BIT Sindri
Prof. (Dr.) Nirmala Soren, Asso. Prof., EE, BIT Sindri

Program Chair

Prof. (Dr.) D.K Tanti, HoD, Electrical Engineering

Convener

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

Course Coordinator(s)

Dr. Vineet Shekher, Asso. Prof., EE, BIT Sindri
Dr. Ramjee Prasad Gupta, Asso. Prof., EE, BIT Sindri

Course Co- Coordinator(s)

Dr. Abul Kalam, Asso. Prof., EE, BIT Sindri
Dr. Hari Mohan Dubey, Asso. Prof., EE, BIT Sindri
Mr. Anuj Kr. Pandey, Asst. Prof., EE, BIT Sindri

Contact Persons:

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Registration: Before July 09th, 2021

https://docs.google.com/forms/d/e/1FAIpQLScYgRCmWZe5DGXgd7bHbsMTLedL7BoEo3yUNxe1ap8NIbnKjg/viewform?usp=sf_link

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 center 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, postgraduate and doctorate programs 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 sciences, 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 interactions.

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