



ABOUT THE INSTITUTE

BIT, Sindri started as College of Mechanical and Electrical Engineering in 1949 under the dynamic leadership of Prof. D. L. Deshpande, Director, regarded as the architect of the institute. It has a sprawling campus of about 450 acres of land near the eastern bank of river Damodar at a distance of 28Kms from Dhanbad railway station linked by rail as well as road. The institute is fully residential for students as well as teaching and non-teaching staff. The institute is administratively governed by the Department of Science and Technology, Government of Jharkhand and is academically affiliated to Jharkhand University of Technology, Ranchi. All the offered UG and PG 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 11 disciplines of engineering namely Mechanical, Electrical, Metallurgy, Production & Industrial, Chemical, Electronics & Communications, Civil, Mining, Computer Science, Information Technology, and Cyber Security. Additionally, the institute also offers M.Tech specializations and Doctorate.

ABOUT THE DEPARTMENT

This is the pioneer branch at the institute in 1949. The department offers 4 years B.Tech. Degree course with an annual intake of hundred students. It also offers Doctorate Degree and M.Tech. Degree course with specialization in Control System and Power System. It is also look after an electrical sub-station and maintain the distribution line of BIT campus. The department pose well equipped laboratories required in all the three courses.

ONE-WEEK WORKSHOP ON Electric Vehicle & Its Key Components

(Hybrid Mode)

Under

Platinum Jubilee Celebration

19th – 24th July, 2024

Time: 10:30 a.m.

Venue: A-26



Organized by

Department of Electrical Engineering

BIT Sindri, Dhanbad

Jharkhand-828123 (INDIA)

www.bitsindri.ac.in

WORKSHOP OVERVIEW:

In recent years, electric vehicles (EVs) have revolutionized the automotive industry, offering sustainable transportation solutions with reduced environmental impact. This workshop aims to provide participants with a comprehensive understanding of electric vehicles, their key components, and the technological advancements driving the EV industry forward.

WORKSHOP OBJECTIVES:

- **Introduction to Electric Vehicles:** History, evolution, and current trends in the electric vehicle market.
- **Key Components of Electric Vehicles:** Detailed exploration of batteries, electric motors, power electronics, and charging infrastructure.
- **Technological Innovations:** Overview of the latest advancements in EV technology and future trends.
- **Environmental Benefits:** Understanding the environmental impact and sustainability aspects of electric vehicles.
- **Challenges and Opportunities:** Identifying challenges in widespread adoption and exploring opportunities in the EV sector.

WHO CAN ATTEND

This workshop would be beneficial to the Research Scholars/ UG/PG Students/ Faculties/ Academicians/ Scientists/ Other Professionals from Industry and Research Institutes.

Benefits to Participants:

- Gain insights into the latest advancements in electric vehicle technology.
- Understand the integration of key components crucial for EV performance and efficiency.
- Network with professionals and experts in the electric vehicle industry.

CERTIFICATION

E-certificate will be provided to those participants who have attended the program with minimum 80% attendance.

Our Key Expert Speakers



Mr. Abhijit Kulkarni
Altair Product Manager,
DesignTech Systems



Mr. Suraj S D
Founder & CEO,
Decibels Labs



Mr. Sandeep Ramagiri
Technical Manager
EM Solutions,
Altair Engineering



Mr. Atanu Saha
Regional Manager - East,
DesignTech Systems



Mr. Sandip Yadav
Regional Technical Manager,
Data Analytics (India & GCC),
Altair Engineering



Mr. Gaurav Bhatt
CFD Engineer,
DesignTech Systems



Mr. Chandra Kumar M
Technical Manager
Power Electronics,
Altair Engineering



Ms. Angel Shiny
Application Engineer
HF Electromagnetics DesignTech
Systems



Dr. Adrish Bhaumik
Post Doctoral Fellow, Dept. of E&CE,
National University of Singapore



Mr. Lovish Jaiswal
Head, Technical Sales, APAC Region
Syngient Technologies Pvt. Ltd.,
Gurugram, India



Mr. Roman Mokri
Head – International Technical Sales
Sanlab Simulation Inc., Turkey



Mr. Nilesh Thankre
Product Manager – EPD Division
Entuple Technologies Pvt. Ltd.



Mr. Dipesh Ranjan Sahoo
Head of R&D & Chief Trainer,
SkyySkill Academy



Dr. Abhisek Pal
Assistant Professor, Dept. of E&IE,
Thapar Institute of Engg. & Tech.



Mr. Lokendra Gupta
Manager – North India
Chroma ATE Inc., USA (Quantel
Technologies India Pvt Ltd.)



Mr. Mehmet Tosun
Senior Technical Specialist (AR/VR)
Sanlab Simulation Inc., Turkey



Mr. Himansu Sekhar Panda
CEO
SkyySkill Academy



Mr. Anikash Rath
Head of Manufacturing,
SkyySkill Academy

ORGANIZING COMMITTEE

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- Prof. Anuj Kumar Pandey
- Prof. Rakesh Rohan
- Dr. Biswaranjan Mishra

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Registration: No fee for registration

Link for Registration: <https://forms.gle/SeJruXut4Cb5FYT98>

Last date of registration: **18/07/2024**