

भारतीय सूचना प्रौद्योगिकी संस्थान भागलपुर

Indian Institute of Information
Technology Bhagalpur

(Institute of National Importance Under Act of Parliament)



Hands-on Workshop

on

**Emerging Technologies in Electric
Vehicle**

8 - 12 March 2021



Patron

**Prof. Arvind Choubey
Director, IIIT Bhagalpur**

ABOUT IIIT BHAGALPUR

Indian Institute of Information Technology Bhagalpur (IIIT Bhagalpur) is one of the 25 IIITs set up by MHRD, Govt. of India. The institute holds the status of 'Institute of National Importance' under the act of parliament.

At present IIIT Bhagalpur offers three UG courses, B. Tech in Mechatronics Engineering, B. Tech in Electronics and Communication Engineering and B. Tech in Computer Science and Engineering. The institute will start PG & PhD courses from July 2021.

The department of Mechatronics Engineering is currently operating with four years undergraduate B. Tech program. The total sanctioned strength of the department is 30 which is likely to be increased to 60 per session. The syllabus of the department has been designed to provide knowledge in the areas of Mechanical design, Electrical design, Signal processing and Control, and Programming. The primary focus of our curriculum is to impart technical know-how to students, promote their problem-solving skills and innovation of new technologies. The department also offers number of optional courses to provide wide spectrum of options to the students to pursue their interest and encourages them to have project based learning.

HIGHLIGHTS OF THE WORKSHOP

It gives an opportunity to participants to get acquainted with development in the area of Electric Vehicle Technologies, Modelling & Simulation of Electrical Machines in Motor CAD, Ansys Maxwell, Modeling & Simulation of Electric Vehicle in Matlab-Simulink.

KEY POINTS

- Lectures from the experts of the field.
- Exposure of recent trends in Electric Vehicle Technologies.
- Introduction to Design and Finite Element Analysis of Motors for EV and HEVs
- EV Powertrain & its controller design
- Different aspects of charging & Vehicle Grid integration
- Hands-on practice on Ansys Maxwell & Ansys Motor-CAD
- Hands on session on Matlab – Simulink for Electric Vehicle Simulation

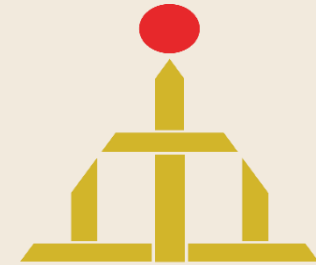
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भारतीय सूचना प्रौद्योगिकी संस्थान भागलपुर
Indian Institute of Information Technology
Bhagalpur

Department of Mechatronics Engineering

in association with

Entuple Technologies Pvt. Ltd.

&

MATHWORKS



Workshop Coordinators

Dr. Gaurav Kumar & Dr. Purnendu Mandal

Assistant Professor

Department of Mechatronics Engineering
IIIT Bhagalpur

Number of Seats (Tentative): 30

(on a first-come-first-serve basis)

Important Dates:

Early Bird Registration:—01 March 2021

Late Registration:—05 March 2021

Registration Fee: in INR

- Student: **500.00**
- Faculty: **700.00**
- Industry Person: **1000.00**

Registration Fee Includes:

- Access to Motor CAD & Maxwell
- Participation e-Certificate
- One-to-One doubt session (during hands-on training)

e-Certificate:

e-Certificate will be provided to the participants, with at least 75% attendance, upon successful completion of the program.

Mode of Payments*

For Internet Banking User:

Account Name: Indian Institute of Information Technology Society Bhagalpur

Account Number: 11270110047149

Bank Name: UCO Bank, Sabour, Bhagalpur.

IFSC Code: UCBA0001127

RESOURCE PERSONS

Internationally acclaimed faculty members from premier institutions like IIT, NIT, IIIT and abroad.

CONTACT DETAILS

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Phone: +91-8638810221

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REGISTRATION DETAILS

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

Designation

Department.....

Institute/Organization.....

Address

.....

Email:

Mobile Number

WhatsApp Number.....

Payment Details:

Online payment Reference number details

.....

..... Date

Amount.....

Signature of Applicant

Click the following link for online registration:

<https://forms.gle/T5UwxBcc2ytbJSNZ9>

CHIEF GUEST

Prof. Ashok Jhunjhunwala, Institute Professor, IIT Madras

SPEAKERS

Dr. S. Sashidhar, Asst. Professor, IIT GOA

Dr. Amitesh Kumar, Asst. Professor, NIT Patna

Dr. S.S.Saha, Professor, KGEC

Dr. Sanchari Deb, ERCIM Fellow, VTT, Finland

Dr. K K Prabhakar, Post Doctoral Fellow, IIT Delhi

Mr. Ramana Anchuri, Mathworks

Mr. Suraj S D, CEO, Decibels Lab

Mr. Ghanshyam Ambedkar, Entuple Technologies

ORGANIZING COMMITTEE**Patron**

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Dr. Purnendu Kumar Mandal, MEA, IIIT Bhagalpur

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