REGISTRATION FORM

ONE-DAY WORKSHOP
ON
"Finite Element Analysis (FEA) of Electrical Apparatus Using Magnet – Basic Approach"

07. 04. 2025

1. Name :
2. Designation :
3. Educational Qualification :
4. Institution Name :
5. Institution Address :
6. Address for Communication :
7. Email ID :
8. Mobile No :

CATEGORY

- Faculty ☐
- Research Scholar ☐
- UG/PG Student ☐

DECLARATION

I hereby declare that the above information is true to the best of my knowledge. I agree to abide by the hands-on training programme and shall attend the course for its entire duration.

Date :
Place:

Signature of the Participant

Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
No.173, Agharam Road, Selaiyur, Chennai - 600 073.

ELECTRO INFINITE

SCHOOL OF ELECTRICAL ENGINEERING

organizes

ONE-DAY WORKSHOP *on*

FINITE ELEMENT ANALYSIS (FEA) OF ELECTRICAL APPARATUS USING MAGNET – BASIC APPROACH

RESOURCE PERSON

Dr. LENIN N. C.
ASSOCIATE DEAN, GRANT & INNOVATIONS
PROFESSOR / SEE
VIT CHENNAI, CHENNAI

DATE: 07.04.2025
VENUE: EEE SMART ROOM

ORGANIZING COMMITTEE

CHIEF PATRON:

Dr. S. Jagathrakshakan, Founder & Chairman
Dr. J. Sundeep Aanand, President
Dr. Swetha Sundeep Anand, Managing Director

PATRON:

Dr. K. Vijaya Bhaskar Raju,Pro Chancellor
Dr. M. Sundararajan,Vice-Chancellor(i/c)
Dr. S. Bhuminathan,Registrar
Dr. R. Hari Prakash, Additional Registrar
Dr. R. M. Suresh, PVC - CoE
Dr. M. Sundararaj,Dean-Academics
Dr. P. Naveenchandran,Dean-R&D

CO-PATRONS:

Dr. M. K. Ilampoornan, Dean-IQAC
Dr. S. Prakash,Dean-SEE

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Mr. S. Siva Kumar, Assistant Professor / ECE
Dr. T. Divya, Assistant Professor / EEE

CO-ORDINATORS

Mr. M.J. Murali, Assistant Professor / EEE
Dr. J. Raji, Assistant Professor / EEE

ABOUT THE INSTITUTION

Bharath Institute of Higher Education and Research (BIHER), located in Chennai, Tamil Nadu, stands as a testament to the visionary leadership of Dr. S. Jagathrakshakan, its founder. Established in 1984 under the Sri Lakshmi Ammal Educational Trust, BIHER has evolved into a premier deemed-to-be university recognized by the UGC. Dr. S. Jagathrakshakan's mission of delivering quality education and fostering innovation has positioned the institution as a hub for academic and research excellence.

BIHER offers various undergraduate, postgraduate, and doctoral programs across engineering, medicine, law, arts, and management disciplines. Its world-class infrastructure, cutting-edge laboratories, and extensive libraries create an ideal learning environment. With a strong focus on research and industry partnerships, the institute consistently drives technological progress and societal transformation. Accredited by NAAC with an "A" grade, BIHER exemplifies Dr. S. Jagathrakshakan 's vision of empowering students to achieve global success and contribute meaningfully to society.

ABOUT THE SCHOOL

The School of Electrical Engineering was established in 1992 with two undergraduate programs, and in 2003, six postgraduate programs were introduced. The school also offers research programs (Ph.D.) in various fields of Electrical Engineering to meet the evolving demands of technical excellence. Research areas include Communication Systems, Wireless Networks, Signal and Image Processing, RF MEMS and MIC, Microwave Antennas, Optical Communication and Photonics, VLSI Technologies, IoT and Embedded Systems, Power Systems, Modern Electric Drives, Electric Mobility, and Renewable Energy. The B.Tech. program is accredited by the Accreditation Board for Engineering and Technology (ABET), USA.

The school is equipped with state-of-the-art facilities to support research at all levels, focusing on power electronics, renewable energy systems, control systems, and other interdisciplinary areas. With a dedicated faculty, support staff, and advanced teaching and research laboratories, the school is recognized for its excellence in research, teaching, and contributions to national development.

SCOPE OF THE WORKSHOP

This workshop deals with Finite Element Analysis (FEA) of Electrical Apparatus using MAGNET. The finite Element Method is a numerical method which is widely used in solving engineering design problems. Magnet is an electromagnetic simulation tool that is developed by Infolytica and uses FEM. Magnet is a software program that uses computational analysis to simulate and visualize magnetic fields generated by magnets in various designs. This workshop is aimed at students who are interested to explore the electromagnetic design. In this workshop, the discussion is to be carried out on the basics of magnetic field concepts and the design of electrical apparatus through training.

TOPICS TO BE COVERED

Topics to be covered *(but not restricted to),*

- Basic Magnetics
- Maxwell Equations
- Formulation for magnetostatic problem
- Introduction to vector potential
- Magnetic Circuits – EM & PM
- Finite Element Method
- Learn the basics of MagNet Capabilities
- How to perform a complete MagNet analysis step-by-step

REGISTRATION DETAILS

REGISTRATION FEES

Rs. 150/- for Students (Internal),
Rs. 200/- for Student (External)
Rs. 250/- for Research Scholars & Faculty Members

REGISTRATION LINK :
https://rb.gy/g5xe47

The registration fees can be paid through UPI

Payment Details:

A/C Name	: School of Electrical Engineering
Acc Number	: 4557002100003104
IFSC Code	: PUNB0455700
Bank Name / Branch	: Punjab National Bank, Selaiyur Branch

For Further details, Contact:

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