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Head, Dept. of Mechanical Engineering

Dr. T. MURALI KRISHNA
(Coordinator-STTP & Member secretary-PMC)
Associate Professor, Department of EEE

CO-COORDINATORS

Sri M. NAGARAJU,
Assistant professor, Dept. of EEE

Dr. N.V. PHANENDRA BABU,
Assistant professor, Dept. of EEE

Registration Fee

Free

IMPORTANT DATES

Last date for Registration : **30-10-2020**

Intimation of selection : **31-10-2020**

HOW TO APPLY

The applicants should fill the Registration Form through Google Forms using below link

E-certificate will be issued to those Participants who attend 80% of the sessions and clear the exam with 60% marks.

FOR FURTHER DETAILS PLEASE CONTACT

E-mail: stpeee@cbit.ac.in

Mobile: 7702578106, 7013526685, 9866479770

REGISTRATION LINK

<https://forms.gle/keJiThYkyxaGqwf9>



AICTE – Sponsored SHORT TERM TRAINING PROGRAM (STTP)

Phase - II

on

TRENDS & CHALLENGES OF HYBRID ELECTRIC DRIVE UTILITIES IN TRANSPORT SECTOR

02nd – 07th November, 2020

Organized by

**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(Autonomous)

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institutes in INDIA, in Telangana State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous.



ABOUT THE DEPARTMENT

CBIT started Electrical & Electronics Engineering UG course in 1994 and was accredited thrice i.e. in years 2004, 2008 & 2013 by NBA. The intake was increased from 60 to 120 from the Academic Year 2013-14. The Department started offering a

course in Power Systems & Power Electronics in 2006 with an intake of 18 and was accredited by NBA in the year 2016. The Department has highly qualified and experienced faculty. The Department is having well equipped labs with latest Hardware & Software. The Department is also certified by ISO 9001:2008. The Department is recognized as Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degree. The Department is keen on developing consultancy services and welcomes funding research from outside agencies. The Department in the year 2019-20 has received a funding of Rs.2,72,000 under AICTE-STTP Scheme for MATLAB Research Methodology project, Rs. 3,00,000 under AICTE-STTP scheme for Hybrid Electric Utilities Project and Rs.11,00,000 under AICTE-RPS Scheme for Development of Low-Cost Flexible Quality Conditioner to Mitigate Power Quality Issues and MODROBS for special electrical machines to the tune of Rs.17 Lakh.

ABOUT THE FDP

Deterioration in air quality, global warming, and a decrease in petroleum resources are becoming the major threats to human beings. More and more stringent emissions and fuel consumption regulations are stimulating an interest in the development of safe, clean, and high-efficiency transportation. It has been well recognized that electric, hybrid electric, and fuel-cell powered drive train technologies are the most promising solutions to the problem of land transportation in the future. In recent decades,

the research and development activities related to of high efficiency, clean, and Modern Electric, Hybrid Electric, and Fuel Cell Vehicles safe transportation.

TOPICS TO BE COVERED IN STTP

- ✚ Over View of Electric Vehicle & Govt. Policies
- ✚ Hybrid Electric Vehicle and its performance
- ✚ Electric Vehicle Mechanics and Modelling
- ✚ Power Converters for Electric Vehicles
- ✚ PM motor Drives for EVs
- ✚ Induction Machine Drives for EVs
- ✚ High Energy Batteries
- ✚ Charging Stations & Wireless Chargers
- ✚ Testing & Certification
- ✚ PWM Techniques for Inverters

RESOURCE PERSONS

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries like Tata Motors, and host Institution.

TARGET GROUP

The STTP is expected to benefit Engineers, Scientists, Researchers and Academicians who are working / Teaching / studying in the area of Hybrid Electric Vehicles.