

CHIEF PATRON

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Coordinator - STTP

CONVENER

Prof. G. SURESH BABU
Head, Dept. of EEE

CO-COORDINATORS

Dr. N. VASANTHA GOWRI
Assistant professor, Dept. of EEE

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

Registration Fee : Free

IMPORTANT DATES

Last date for Registration : **17-02-2021**

Intimation of selection : **19-02-2021**

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 all the sessions and clear the exam with 60% marks.

FOR FURTHER DETAILS PLEASE CONTACT

E-mail: sttpee@cbit.ac.in

Mobile: 7702578106, 9052221446, 9866479770

REGISTRATION LINK

<https://forms.gle/Y7usarJ88XUCbt286>



**AICTE - Sponsored
Short Term Training Program
(STTP-Phase-III)**

on

**TRENDS & CHALLENGES OF
HYBRID ELECTRIC DRIVE
UTILITIES IN TRANSPORT
SECTOR**

22nd- 27thFebruary, 2021

Organized by

Department of Electrical & Electronics
Engineering
Chaitanya Bharathi Institute of Technology
(Autonomous under UGC)
Affiliated to Osmania University
Gandipet, Hyderabad – 500075
Telangana State, India.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

CBIT is one of the premier Engineering Institute in INDIA, pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 42 years by producing about 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the world. The Institute has been accredited by NBA--AICTE and NAAC--UGC. UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. The Grants received from AICTE/UGC are worth about Rs. 2.5 Crores. Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected to secure Placements in MNCs through College Career Development Center.



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 PG 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.17Lakh.

ABOUT THE STTP

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 transportation have emphasized

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

Topics to be covered in STTP

- Introduction, Trends of Electric Vehicle & Govt. Policies
- Hybrid Electric Vehicle and its performance
- Electric Vehicle Mechanics, Modeling & Vehicle to Grid Technology
- Modeling & Design of Power Converters for Electric Vehicles
- Design & Manufacturing of PM motor Drives for EVs
- Design & Manufacturing of Induction Machine Drives for EVs
- Energy Storage devices for EVs
- Charging Stations & Wireless Chargers
- PWM Techniques for Inverter

RESOURCE PERSONS

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries 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.