

Workshop Objectives

- ❖ This three-day workshop on "Real-Time Simulation Techniques for Power System Transient Analysis" is designed to provide learners with a comprehensive understanding of the Fundamentals of Power System Transients.
- ❖ The workshop will focus on Explore the principles and benefits of real-time simulation in the context of power system analysis.
- ❖ Learners will also be trained to Familiarize participants with state-of-the-art tools and methodologies for real-time transient analysis.
- ❖ Develop skills for analyzing transient behaviors and interpreting results to inform decision-making and system design.

Workshop Outcomes

After completion of this workshop, participants will be able to:

- ❖ Enhanced Understanding of Transients and Real-Time Simulation.
- ❖ Proficiency in Using Real-Time Simulation Tools
- ❖ Ability to Analyze and Mitigate Power System Transients.
- ❖ Awareness of Cutting-Edge Technologies and Trends.
- ❖ Creation of Custom Simulation Models.
- ❖ Confidence in Applying Simulation to Research and Industry.

Contact Details

Dr.M.Balasubbareddy
Coordinator
Mobile: +91-9885308964
Email Id: balasubbareddy_eee@cbit.ac.in

Chief Patron

Sri. N. Subash
President, CBIT

Patron

Prof. C. V. Narasimhulu
Principal, CBIT

Coordinators

Dr. M. Balasubbareddy
Professor & HoD, Dept. of EEE

Dr. P. Venkata Prasad
Professor & CoE, Dept. of EEE

Co-coordinators

Dr. P. Kowstubha
Associate Professor, Dept. of EEE

Dr. T. Sukanth
Assistant Professor, Dept. of EEE

Advisory Committee

P.V.R. Ravindra Reddy
Vice Principal (Administration)

Dr. K. Krishnaveni
Vice Principal (Academics)

Dr. P. Ravinder Reddy
Director & Head of R&E Hub

Dr. A.D. Sarma
Advisor, R&D

Dr. U.K. Choudhury
Advisor, I&I

Dr. D. Krishna Reddy
Director, R&D

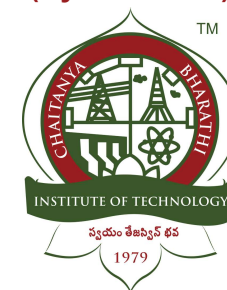
Department of Electrical and Electronics Engineering



Scheme for Promotion of Academic and Research Collaboration

Three Day Indo-US International Workshop on Real-Time Simulation Techniques for Power System Transient Analysis

05th – 07th December 2024
(Hybrid Mode)



Chaitanya Bharathi Institute of Technology

(Autonomous under UGC)
Affiliated to Osmania University
Kokapet (Village), Gandipet,
Hyderabad – 500075
Telangana State, India.

www.cbit.ac.in

Chaitanya Bharathi Institute of Technology (CBIT)

CBIT is one of the premier Engineering Institutes in India, a pioneer in Telangana State, which is at the idyllic surroundings of Gandipet Lake, Hyderabad. The college offers 12 UG and 10 PG programs. It has been standing as a temple of knowledge for the past 45 years by producing more than 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the world. CBIT Students are prepared and perfected to secure Placements in reputed MNCs. The Institute has been accredited by NAAC – UGC with 'A++' Grade and several programs are accredited by NBA – AICTE. The UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. Stringent Academic Standards, Industry Compliant Teaching Methodology, Research Projects from Private and Public Sector organizations Industries in Engineering and Management and Consultancy Practice, enabled the Institute to establish its Identity in Technical Education and is ranked as one of the best amongst Private Engineering Colleges in both the Telugu Speaking States.

About Department

CBIT started the Electrical & Electronics Engineering UG program in 1994 and has been accredited 5 times since 2004 by NBA. The recent accreditation in 2021 is for 6 years. The intake was increased from 60 to 120 in the Academic Year 2013-14. The Department started offering a PG course in Power Systems and power Electronics in 2006 with an intake of 18 and was accredited by the NBA in the year 2016. The department has received grants worth around ₹90 lakhs from AICTE under RPS, SPARC, MODROBS, FDP, STTP, etc. The Department is offering consultancy services worth ₹21 lakhs in collaboration with Foreign Universities in Renewable Energy Systems. The Department is also certified by ISO 9001:2015. The Department is recognized as a Research Centre in 2017 by Osmania University to carry out research for the award of Ph.D. degrees.

About Workshop

This three-day workshop on “Real-Time Simulation Techniques for Power System Transient Analysis” is taking place in hybrid mode. The workshop is meant to train faculty members, Scholars, and students regarding the effective utilization of emerging technologies such as real-time simulation for handling critical power systems transient analysis. Real-time simulation has emerged as a powerful tool to model and study these phenomena accurately and efficiently, providing critical insights for designing robust systems and testing control strategies. The presentations will be made by expert faculty members from world-renowned resource persons from premier institutions, and professional educators from universities abroad, viz. FAMU-FSU College of Engineering (USA), and some industry experts. Seats are limited in physical mode, and they are assigned on a first-come, first-served basis.

Workshop Registration Link

<https://forms.gle/5Lx6hUo49FrSQqDA6>



No Registration Fee

Resource Persons

Dr. Omar Faruque

Associate Professor
FAMU-FSU College of Engineering Tallahassee,
USA

Ms. Sophia Owais

Research Scholar
FAMU-FSU College of Engineering Tallahassee,
USA

Dr. Lini Mathew

Professor and Head, Electrical Engineering
NITTTR, Chandigarh, India

Dr. Ritula Thakur

Associate Professor, Electrical Engineering
NITTTR, Chandigarh, India



EEE department Front View