



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

is Offering a Two Week Online Training/Internship Course

VIDYUT PRASIKSHANA (VIPRA)

on

SIMULATION TOOLS FOR ELECTRICAL & ELECTRONICS ENGINEERING

08th June – 20th June, 2020

For II Semester Electrical & Electronics Engineering Students

- ☞ **No Registration Fee**
- ☞ **Use the following Link for Registration**

https://docs.google.com/forms/d/e/1FAIpQLSduqLEE1X6MSx_HDlejTtmxlccCSgb6viMVjYP0Czt25tBLHA/viewform?usp=sf_link

Objectives of the Course

- To introduce various simulation softwares used in Electrical & Electronics Engineering.
- To provide a platform to know about modeling of Electrical & Electronic circuits.
- To improve the preparation and presentation skills of doing their mini-project/project.
- To make the student to visualize the concepts of Electrical & Electronics Engineering using simulation.

Expected Course Outcomes

After successful completion of the Program, the Student should be able to

- Model Electrical & Electronic circuits using different softwares.
- Generate the graphs for the analysis of data.
- Identify the bug in the program and also knows the procedure to debug the same.
- Infer various logical operations.
- Identify and use suitable software appropriately for validation the concepts.

Training/Internship Course Schedule

Day	Date	Timings & Activity	
		Fore Noon	After Noon
1	08/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
2	09/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
3	10/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
4	11/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
5	12/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
6	13/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
7	15/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
8	16/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
9	17/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
10	18/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
11	19/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers
12	20/6/2020	10:00 AM to 11:30 AM - Lecture 11:30 AM to 12:00 PM - Question & Answers	02:00 PM to 03:30 AM - Lecture 03:30 PM to 04:00 PM - Question & Answers

Topics to be Covered

- ✓ Basic MATLAB Programming
- ✓ Plots
- ✓ Matrices
- ✓ Logical operators
- ✓ Circuit Analysis
- ✓ Simple Power system
- ✓ Control Systems
- ✓ PSpice
- ✓ Inverters Design
- ✓ PWM Analysis
- ✓ Converter design using MATLAB
- ✓ Evaluation of Performance parameters
- ✓ Multi Level Inverter Topologies

CHIEF PATRON

Kavi Kireeti Dr. V. Malakonda Reddy, President, CBITS

PATRONS

Sri. N. Subash,
Secretary & Correspondent, CBES

Smt. D. Sandhya Sree,
Member and Chairperson, D&P, CBITS.

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Prof. P.V. Prasad, CoE , CBIT

CONVENER

Prof. G. Suresh Babu, Head, Department of **Electrical and Electronics Engineering**

Co-Convener

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