



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Report on Value added course on **“PSCAD/ETAP”**

Event Type	:	Value Added Course (Offline Mode)
Date / Duration	:	22-08-2023 to 27-10-2023. (32 Contact hours)
Name of the event	:	Value Added Course-PSCAD/ETAP
Resource Person	:	Mr.P.Srihari, Sr. Assistant Professor ,EEE Dept.,LBRCE Mr.Ch.Rajesh, Sr. Assistant Professor, EEE Dept., LBRCE
Name of the Coordinator(s)	:	Mr.P.Srihari, Sr. Assistant Professor,EEE Dept.,LBRCE Mr.Ch.Rajesh, Sr. Assistant Professor, EEE Dept., LBRCE
Target Audience	:	B. Tech-VII Semester Students (A&B)
Total Number of students	:	124
Objective of the event	:	To get familiar knowledge of <b>“ PSCAD/ETAP software”</b> for simulating and analyzing power systems.
Outcome of event	:	Students acquired knowledge of <b>“PSCAD/ETAP software”</b> and applied it to conduct research work in their main project works.

**Description / Report on Event:**

The EEE department conducted value added course on **“PSCAD/ETAP”** for VII Semester Students from 22-08-2023 to 27-10-2023 in association with the IEEE student branch of LBRCE. During the training sessions, the students got the knowledge on the following topics.

- Introduction to PSCAD and ETAP software.
- PSCAD helps engineers model and study various aspects of electrical applications.
- Transient Analysis, Stability analysis, and understanding the dynamic behavior of power systems.
- ETAP is used to perform load flow studies and short circuit analysis.
- Optimal power flow.
- Power Factor correction
- Fault Analysis.
- Protection Coordination.

Photos:



Students attended for “PSCAD/ETAP” program.