



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
ACADEMIC YEAR 2020-2021(EVEN)**

INTERNAL SEMINAR-REPORT

Department of EEE has organized Internal Seminar on “Energy Storage Systems” for second, third year EEE students on 5.3.2021. The main objective of the internal seminar is to provide basic introduction about Energy Storage Systems and its functions.

Beneficiaries: Total: 24 :(II, III Year Students)

Session: Seventh session (3.10 P.M to 4.00 P.M)

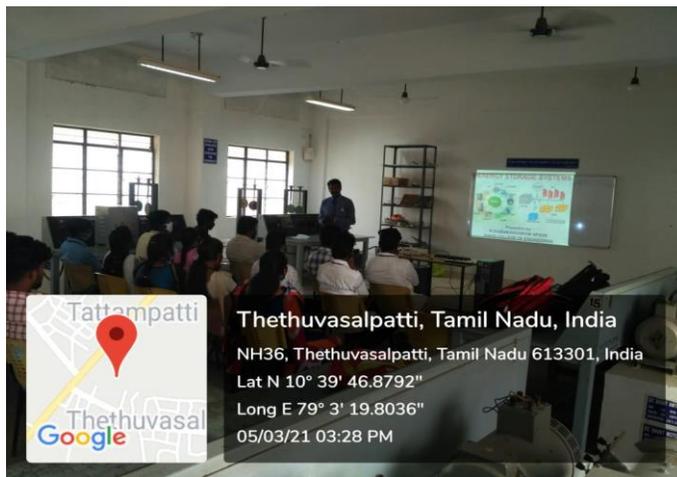
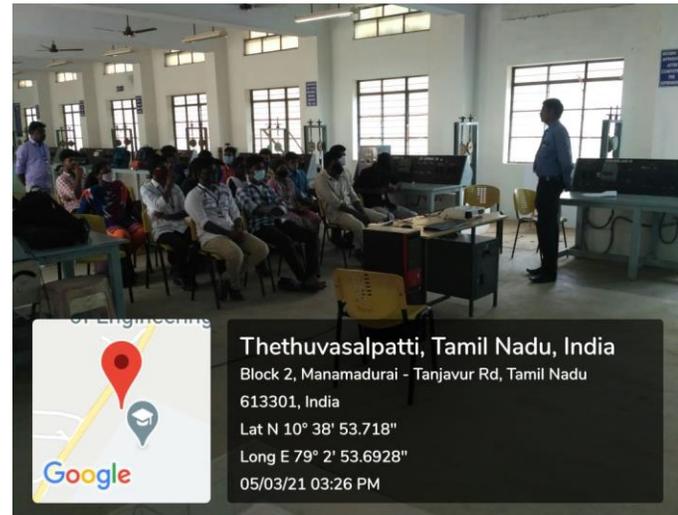
Venue: Electrical Machines Laboratory

Resource Person (Internal): Mr.R.Sundaramoorthi, Assistant Professor/EEE

Mr.R.Sundaramoorthi AP/EEE welcomed all the second and third EEE students. During his session, he started with basic questions about Purpose of Energy storage systems and interaction to all the students. He introduced about the definition and functions of Energy storage systems applications in various fields such as Transportation applications, Emergency applications and large scale applications. Then he has explained about concept of Battery Management Systems(BMS). He has briefed about the different Energy storage systems (ESS) Configurations, major interconnection issues, techniques and applications of ESS in Renewable Energy systems.

During the second part of the session, he shared the knowledge about Ultra capacitor and applications of Ultra capacitor. Finally, he gave an idea about comparisons of various parameters of Ultra capacitors and different case studies. At the end of the session, students interacted and asked questions about the importance of Energy storage and future development of energy storage systems.

SNAPSHOTS



Mr.R.Sundaramoorthi AP/EEE delivering lecture during Internal Seminar

OUTCOME:

- Students will be able to emphasize theoretical knowledge on importance of Energy Storage Systems (ESS).
- Students are able to understand the different types of Energy Storage Systems and basic knowledge about Ultra capacitors and its functions.
- Based on the case studies given in the presentation, Students shall select Energy Storage Systems area for their Mini Project work, final year Project work and PCE Activities.