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

## INTERNAL SEMINAR-REPORT

On behalf of Department of EEE, Project club has organized Internal Seminar on **"MATLAB in Power Electronics"** for second, third year EEE students on 19.03.2021. The main objective of the internal seminar is to provide basic introduction about MATLAB in Power Electronics using Simulink and its applications.

Beneficiaries: Total: 23 :(II, III Year Students)
Session: Seventh session (3.10 P.M to 4.00 P.M)
Venue: Electrical Machines Laboratory
Resource Person (Internal): Mr. J. Arokia Raj, Assistant Professor/EEE

Mr. J. Arokia Raj AP/EEE welcomed all the second and third EEE students. During his session, he started with basic questions about Purpose of Simulation and interaction to all the students. He introduced about the Simulink library and functions of each library tools and its applications. Then he has explained and construct the various important block used for power electronics converters and inverters in MATLAB Simulink files.

He has briefed about the different types of converters with some example and he shows the operation block setting parameters in MATLAB Simulink library tools. Similarly several types of power inverters were simulated using selectable modeling techniques and its Configurations.

Discussed and configure the following library tools.

- Electrical Sources and Elements.
- Motors and Generators.
- Power Electronics

## SNAPSHOTS



Mr. J. Arokia Raj, AP/EEE delivering Internal Seminar

**OUTCOME:**

- Students will be able to understand the theoretical knowledge on MATLAB Simulink.
- Students are able to understand the different types of power electronics converters and their functions.