



HOPE Foundation's
Finolex Academy of Management & Technology,
Ratnagiri
Department of Electrical Engineering

Electrical Engineering Students Association



LTspice Circuit Simulation Workshop 2020

The technological advancements have helped electronic circuits to become an important part of human lives. About this, the electronic circuits can be designed and tested in various test cases of input and output signal requirements. Hence, it is very much necessary to make the students aware of the basics of electrical and electronic circuits so that the students can take efforts to develop and design the circuits. It will clear their concepts and lead to development and innovation in the field of Electrical and Electronics Engineering. Implementing and debugging hardware circuits directly is often not financially and technically feasible, hence simulating circuits initially is the solution.

The Workshop on Circuit Simulation was initiated by **Prof. Suhas H. Mhabadi**, head of the Electrical Engineering Department. The Department of Electrical Engineering in collaboration with the Electrical Engineering Students Association (EESA) arranged a **Workshop on Circuit Simulation using LTspice on 25th January 2020**. EESA faculty in-charge, **Prof. Mangesh S. Modak** along with **Prof. Leslie Fernandes** and **Prof. Nilashri Sakhalkar** took efforts to organize this workshop. A total of **39** students of S.E. Electrical Engineering actively participated in the workshop.

During subsequent sessions, **Prof. Leslie Fernandes** emphasized the analysis of DC circuits using network theorems and Kirchhoff's laws with transient analysis of series RL and series RC circuits. **Prof. Nilashri Sakhalkar** focused on analog circuits like OPAMP inverting adder, integrator, Schmitt trigger, astable multivibrator, etc. EESA Committee members **Mr. Navanath Mahadik** and **Mr. Sandeep Kulkarni** assisted the faculty members in the successful conduction of the workshop.



Photographs

Prof. Leslie Fernandes and Prof. Nilashri Sakhalkhar conducting the workshop

Workshop participants with Faculty Members



Workshop participants with Student Coordinators and Faculty Members