

*One-Day workshop*

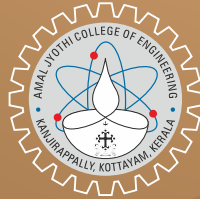
# “Active Learning of Power Electronics Using Sequel App”



03-11-2020



10.30 am to 03.30 pm



AMAL JYOTHI  
COLLEGE OF ENGINEERING  
KANJIRAPPALLY, KOTTAYAM



Organized by Dept. of EEE, Amal Jyothi College of Engineering  
in association with ISTE Kerala Section

## About The Program

SEQUEL is a general-purpose circuit simulation package developed by IIT Bombay. It provides a GUI for schematic entry and plotting. Several simulation examples related to electronics and power electronics, are included in the package.

## SEQUEL App for teaching

In active learning, the emphasis is on learning through activities. The activities are subject dependent. Circuit simulation provides an excellent way to engage students in additional activities. This formed the impetus behind the development of the app "SEQUEL CIRCUIT MOBILE" at IIT Bombay.

### RESOURCE PERSONS

Prof. Mahesh Patil, IIT Bombay

Ms. Minu Martin, IIT Bombay

Mr. Thomas Davis, IIT Bombay

### CO-ORDINATORS

Ms. Rani Chacko, AP-AJCE

Dr. S. N. Kumar, AP-AJCE

Mr. S Arun, AP-AJCE

Mr. Vinu Sankar, AP-AJCE

### ADVISORY COMMITTEE

Rev. Fr. Dr. Mathew Paikatt, Manager

Dr. Z V Lakaparampil, Principal

Dr. P C Thomas, HoD-EEE

### REGISTRATION

Registration fee: Nil

Online Registration for the Course through the below link

Google Form :

<https://forms.gle/qRPLrjpGWLrKaWfn8>

### FEATURES

- The project is sponsored by Tata Centre for Technology and Design (TCTD), IIT Bombay.
- The App is freely available in Google Play store
- A large number of ready-made simulation examples are made available with the SEQUEL App.

These can be used in courses on electronics and power electronics in a variety of ways:

- *Concept learning - Demonstration of basic concepts in the class*
- *Active learning - Assigning simulation exercises in which students tinker with parameter values and observes its effect on simulation results*
- *Design functionality - Simulation being used as a verification tool*

### ELIGIBILITY

This program is open to faculty members, research scholars, PG Students and Industrial personnel.

### CERTIFICATION

E-certificates will be provided to those participants who have attended the program without any absenteeism

### CONTACT

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