



RAJARAJESWARI COLLEGE OF ENGINEERING

Mysore Road, Bengaluru - 560 074



Report on Half Day FDP on “Sequel App for Teaching Electronics courses” Organized by Department of EEE on 16th August, 2018



Dr. M.B.Patil, Professor, Department of Electrical Engineering, IIT Bombay

Research Interests:

- *Circuit simulation*
- *Semiconductor device modelling and simulation*
- *Real-time simulation of power electronic circuits and systems*

The program was commenced with the thoughts of almighty of GOD. Dr. A. S. Murthy, Professor of Dept of EEE welcomed the Chief Guest, **Dr. M.B.Patil, Professor, Department of Electrical Engg, IIT Bombay** with bouquet of flowers. Almost 20 faculties including outside participants registered for the FDP. Prof. Pavan Kumar K R, Asst. Prof. Dept. of EEE presented the brief bio-data of the Expert Speaker to the gathering.

Workshop on Sequel App for Teaching Electronics Courses

This workshop is related to Sequel APP, an App developed at IIT Bombay for teaching electronics and power electronics. The idea behind this app is the following:

First, the teacher solves a numerical problem based on a certain topic and shows relevant simulation results in class. Next, the students are asked to work out "what if" cases (e.g., what will happen if a resistor value is changed). The students work out the solution and verify their answers using Sequel App on their mobiles. We believe that this additional step of checking out their understanding using an App will enrich the learning experience of the students.

In the FDP, the expert covered the examples of Network theorems, Digital circuits, and Op-amp linear circuits.

The topics currently covered in Sequel App are network theorems, diode circuits, common-emitter amplifier, op-amp linear circuits, Schmitt trigger, oscillator based on Schmitt trigger and digital circuits.

To download Sequel App: Please visit

<https://play.google.com/store/apps/details?id=in.ac.iitb.ee.SequelMobile>

OR search for "SEQUEL circuit mobile" in the App store.

(Currently, the App works on the Android platform.)

Documentation on problems available with Sequel App can be viewed at https://www.ee.iitb.ac.in/~sequel/sequel_app.html

The session was very interactive and the knowledge shared by the speaker uplifted the faculties to a level forward. The expert was felicitated with mementos by Management of Rajarajeswari College of Engg., Bengaluru. Also the presence of Mr. Prashanth Udupa, Developer of Sequel App grace the occasion. The Expert distributed the certificates to all participants. The program was concluded with the Vote of Thanks by Prof. Sincy Elezebeth Kuruvilla , Asst. Prof. Dept .of EEE.



