



GUJARAT TECHNOLOGICAL UNIVERSITY

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Date: 29-10-2018

CIRCULAR

Interested faculty members and students may register for the following webinar which is going to be held on Tue, Oct 30, 2018 3:30 PM - 4:30 PM IST.

Virtual Academy: "Remote Lab system for Analog Electronic Circuits - Session 1"

Tue, Oct 30, 2018 3:30 PM - 4:30 PM IST

Registration URL: <https://attendee.gotowebinar.com/register/4754891205075706882>

Description:

Engineering education is all about "Do Engineering" rather than read and write. But in the conventional engineering education, most of courses are theory based and few laboratory courses students are unable to visualize the concepts. In Electronics engineering course "Do Engineering" is even more essential as most of the courses deal with circuits. The circuit concepts can be better conveyed by faculty and understood by doing experiments along with theory classes. Unfortunately, in the conventional engineering education, in most of the time there is no synchronization between the two. This is due to infrastructure limitations and time constraints. In the present laboratory courses, students get limited time to conduct experiments, they will be satisfied if they get output, students won't think of various analysis that can be performed on the same circuit.

As a solution to this, we have developed Remote Lab system using National Instruments product Analog Discovery to conduct Analog Electronic Circuits. Using which user can conduct experiments remotely. Using this remote lab system, 25+ experiments with 120+ variations can be conducted. This remote lab is designed in such that user feel like as though it's being conducted in lab. Many analysis like, time response, Bode plots and spectrum can be performed.

In this webinar series, we Demonstrate how to use Remote Lab system developed at Department of Telecommunication Engineering, SIT, Tumakuru. It's recommend that webinar participants to have installed with Team viewer 12 so that Experiments can be contacted remotely during webinar itself.

Presenter:

Dr. K C Narasimhamurthy,
Professor,
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Tumakuru Karnataka.

Sd/-
Registrar (I/c)