NITTTR BHOPAL

EEE-4/2024-2025
SCILAB Software Programming
05-08-2024 to 09-08-2024
NITTTR Bhopal

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Rationale

The demand of simulation software has been increasing in areas of engineering, technology and research as per applications. Scilab is an open source numerical computational package/ high level computational language useful for simulation and data analysis. This programme will provide a hands-on learning experience of basic operation and utilization of Scilab and its toolboxes to solve simulation problems of analog and digital electronics circuits. This programs also includes interfacing of Arduino microcontroller through scilab-Arduino toollbox useful for low cost data acquisition.

Programme Outcomes

1.Use scilab Tool boxes for electronic simulation circuits
2.Design Basic electronic circuits in Scilab
3.Develop sequential and logic circuits
4.Design virtual lab experiments
5.Plot Graph in scilab
6.Equip technical teachers with the skills to use SCILAB tool boxes.
7.Interface Aurdino microcontroller through scilab

Programme Content

Basics of scilab, Console, Editor, Files , function, Matrix function , Operator, graphics , Xcos and its Tool boxes, Arduino interfacing with peripherals, Data acquisition System.

Target Group

Faculty of Electrical & Electronics Engineering and allied disciplines

Coordinator & Co-Faculty

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