Online Scilab Workshop

Registration starts on

📅 **8 September 2020**

FOSSEE, IIT Bombay is arranging online workshops to enhance your profile and skills in this lockdown situation. Now anyone can learn education software at the comfort of their home through these workshops. There will be two levels of these workshops:

ADVANCED
Scilab Workshop
📅 1 October 2020

BEGINNER
Scilab Workshop
📅 7 October 2020

Scilab is a free and open-source, cross-platform numerical computational package and a high-level, numerically oriented programming language. Scilab and Xcos are open source alternatives to Matlab and Simulink.

ADVANCED

Who can attend?:

Anyone who can create an Xcos TBC referring to a Scilab TBC OR code an existing Simulink simulation to Xcos, within the stipulated time

The workshop will cover the following topics:

- Graphical User Interface in Scilab
- Simulating a PID controller using Xcos
- Solving Differential equations in Scilab
- Solving nonlinear equations in Scilab
- Solving system of linear equations Gaussian Methods in Scilab and many more...

Benefits:

- Certificate for attending the Advanced Workshop
- Can get selected as TA for Beginner Level
- Learn to build an interactive GUI
- Learn to formulate and solve mathematical equations
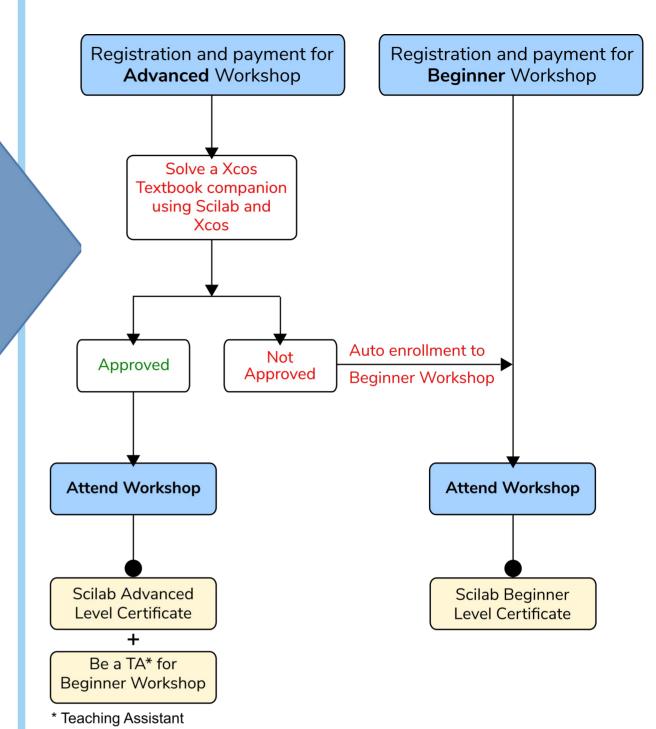
BEGINNER

Who can attend?:

As Scilab is not subject-specific, teaching faculty and students from all domains (engineering, sciences), polytechnic colleges, and PGT of schools, can attend. Industry professionals can also attend.

The workshop will cover the following topics:

- Vector and Matrix Operations
- Scripts, Functions and Conditional Branching
- Plotting 2D graphs
- Introduction to Xcos
- Calling User Defined Functions in Xcos and many more...

Benefits:

- Certificate for Scilab - Beginner Level Workshop
- Learn fundamentals of Scilab and Xcos
- Learn to write functions in Scilab
- Learn to create and simulate Xcos models

Flowchart:

Registration and payment for **Advanced** Workshop → Solve a Xcos Textbook companion using Scilab and Xcos

- Approved → Attend Workshop → Scilab Advanced Level Certificate **+** Be a TA* for Beginner Workshop
- Not Approved → Auto enrollment to Beginner Workshop

Registration and payment for **Beginner** Workshop → Attend Workshop → Scilab Beginner Level Certificate

* Teaching Assistant

Scan to Register

Limited seats

Contact us : eoutreach@it.iitb.ac.in

For more details visit: http://www.it.iitb.ac.in/nmeict/announcements.html

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Spoken Tutorial

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