Institution Name: Bapurao Deshmukh College of Engineering, Maharashtra

Department of Electrical Engineering
B. E. VII Semester (2022-23)
Foss: SciLab

Following are the links for Video Lectures of Scilab (Spoken Tutorials). Click on individual links.

Lecture Number	Title of Video Lecture
1.	Introduction to Scilab and its benefits
2.	Self learning of Scilab through Spoken Tutorials
3.	The amazing resource of Scilab Textbook Companion
4.	Scilab Lab migration, Toolboxes and Forums
5.	Installing
6.	Getting Started
7.	Vector Operations
8.	Matrix Operations
9.	Conditional Branching
10.	Iteration
11.	Scripts and Functions
12.	Plotting 2D graphs
13.	Xcos Introduction
14.	File handling
15.	User Defined Input and Output
16.	Integration
17.	Solving Non linear Equations
18.	Linear equations Gaussian Methods
19.	Linear equations Iterative Methods
20.	Interpolation
21.	ODE Euler methods
22.	ODE Applications
23.	Optimization Using Karmarkar Function
24.	Digital Signal Processing
25.	Control systems
26.	Discrete systems
27.	Calling User Defined Functions in XCOS
28.	Simulating a PID controller using XCOS
29.	Developing Scilab Toolbox for calling external C libraries
30.	Developing Scilab Toolbox for calling Python and its functions
31.	Interactive Simulation in Xcos using slider
32.	User-defined variables in Xcos
33.	Loading and saving data in Xcos
34.	Conditional operations in Xcos
35.	Super Blocks in Xcos

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