



DEBRAJ ROY COLLEGE

Accredited by NAAC with A Grade in 2011

SINCE 1949

Electronics & ICT Academy

(Under Ministry of Electronics and Information Technology, Government of India)

Indian Institute of Technology Guwahati, Guwahati, Assam, Pin 781039

Phone: +91-361-2583182, 2583009 Email: eictacad@iitg.ac.in

Faculty Development Programme on

"SCILAB and its Applications"

Date: 04-08 November 2019

Venue: Debraj Roy College, Golaghat

Date	Time	Topic
Day 1 (04-11-19)	09:30 am-10:00 am	Registration & Reporting
	10:00 am-10:30 am	Inauguration
	10:30 am-10:45 am	Tea Break
	10:45 am-01:00 pm	Getting Started with Scilab: Introduction, Development (History, features & applications), Installation, Work directory and important menus in Scilab
	01:00 pm-02:00 pm	Lunch
	02:00 pm-03:15 pm	Basic Operations and Input/Output with Scilab/ Error handling/Math built-in-functions
	03:15 pm-03:30 pm	Tea Break
	03:30 pm-05:30 pm	LAB-1: Working on Console MCQ-1
Day 2 (05-11-19)	09:30 am-11:00 am	Variable Handling and Management/ Creating and Working with Arrays
	11:00 am-11:15 am	Tea Break
	11:15 am-01:00 pm	Matrix operations/ Predefined functions for analyzing matrix
	01:00 pm-02:00 pm	Lunch
	02:00 pm-03:15 pm	Programming - Loops - Conditional statements - Handling .sci files
	03:15 pm-03:30 pm	Tea Break
	03:30 pm-05:30 pm	LAB-2: Working on script file/Editor MCQ-2
Day 3 (06-11-19)	09:30 am-11:00 am	Defining and modifying functions in Scilab
	11:00 am-11:15 am	Tea Break
	11:15 am-01:00 pm	Comparison between Script Files and Function Files, Handling Strings in Programming
	01:00 pm-02:00 pm	Lunch
	02:00 pm-03:15 pm	Logical Operators in Scilab Case Study
	03:15 pm-03:30 pm	Tea Break
	03:30 pm-05:30 pm	LAB-3: Application of Scilab in Calculus & Linear algebra MCQ-3
Day 4 (07-11-19)	09:30 am-11:00 am	Plotting and 2-D & 3-D Visualization
	11:00 am-11:15 am	Tea Break
	11:15 am-01:00 pm	Handling of Graphic window
	01:00 pm-02:00 pm	Lunch
	02:00 pm-03:15 pm	Labeling and Annotating Graphs
	03:15 pm-03:30 pm	Tea Break



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	03:30 pm-05:30 pm	LAB-4: Application on Scilab in Series expansion MCQ-4
Day 5 (08-11-19)	09:30 am-11:00 am	Programming idea of Some Numerical Techniques
	11:00 am-11:15 am	Tea Break
	11:15 am-01:00 pm	Project Work
	01:00 pm-02:00 pm	Lunch
	02:00 pm-03:15 pm	Project Work
	03:15 pm-03:30 pm	Tea Break
	03:30 pm-04:45 pm	Project Evaluation
	04:45 pm Onwards	Valedictory Session

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