

Third workshop on
“Application of MATLAB for Engineering Computations”

January 10-12, 2014

(Hands-on Experience Oriented Programming Skill Development Program)

Schedule of AMEC-III

Day 0 (09/01/2014)	11:30-13:00	Introduction to MATLAB User Interface, Basic Operations
	13:00-14:30	Lunch Break
	14:30-15:30	Using MATLAB as Calculator
	15:30-16:00	Tea Break
	16:00-17:00	Programming Basics
Day 1 (10/01/2014)	9:30-10:00	Registration
	10:00-10:10	Inauguration and Welcome Address
	10:10-11:10	Session 1: MATLAB Applications demonstration, CAD Applications and visualisation, Generating text files, optimisation etc.
	11:10-11:30	Tea Break
	11:30-13:00	Session 2: Handling Variables, Data Format, Expressions and Matrices, Conditional/logical Statement
	13:00-14:00	Lunch Break
	14:00-15:00	Session 3: Execution Control, Loops, Writing Functions
	15:00-15:20	Tea Break
	15:20-16:50	Session 4: Nesting Functions, Data Input/Output in Various Format
16:50-17:00	Question & Answer session	
Day 2 (11/01/2014)	10:00-10:10	Informal Discussion
	10:10-11:10	Session 5: 2D Plotting Visualization Using MATLAB
	11:10-11:30	Tea Break
	11:30-13:00	Session 6: 3D Plots, Modifying plots using property editor, Automating Plots
	13:00-14:00	Lunch Break
	14:00-15:00	Session 7: Applications of Symbolic Math
	15:00-15:20	Tea Break
	15:20-16:50	Session 8: Introduction to Simulink and create simulation using simulink
16:50-17:00	Question & Answer session	
Day 3 (12/01/2014)	10:00-10:10	Informal Discussion
	10:10-11:10	Session 9: Building Graphical User Interface (GUI)
	11:10-11:30	Tea Break
	11:30-13:00	Session 10: Building GUI's by own, Generating Executable Files and Stand-Alone Applications
	13:00-14:00	Lunch Break
	14:00-15:30	Session 11: Polynomials, curve fitting and interpolations
	15:30-16:30	Session 12: Development Tools and Programming Techniques, Debugging and Trouble shooting programs, Projects/Case studies Demonstration, Handling data in MS Excel
	16:30 onwards	Valedictory and Certificate Distribution followed by High Tea