

Fourth workshop on
“Application of MATLAB for Engineering Computations”
 December 01-05, 2014
 (Hands-on Experience Oriented Programming Skill Development Program)

Schedule of AMEC-IV

Day 1	9:30-10:00	Registration
	10:00-10:10	Inauguration and Welcome Address
	10:10-11:10	Session 1.1: MATLAB Applications demonstration
	11:10-11:30	Tea Break
	11:30-13:00	Session 1.2: Introduction to MATLAB User Interface, Basic Operations
	13:00-14:30	Lunch Break
	14:30-15:30	Session 1.3: Using MATLAB as Calculator
	15:30-15:50	Tea Break
	15:50-17:20	Session 1.4: Programming Basics
	17:20-17:30	Question & Answer session
Day 2		
	10:00-10:10	Informal Discussion
	10:10-11:10	Session 2.1: Handling Variables, Data Format, Expressions and Matrices,
	11:10-11:30	Tea Break
	11:30-13:00	Session 2.2: Execution Control, Loops, Writing Functions
	13:00-14:30	Lunch Break
	14:30-15:30	Session 2.3: 2D Plotting Visualization Using MATLAB
	15:30-15:50	Tea Break
	15:50-17:20	Session 2.4: Nesting Functions, Data Input/Output in Various Format
	17:20-17:30	Question & Answer session
Day 3		
	10:00-10:10	Informal Discussion
	10:10-11:10	Session 3.1: 3D Plots, Modifying plots using property editor, Automating Plots
	11:10-11:30	Tea Break
	11:30-13:00	Session 3.2: Building Graphical User Interface (GUI) Basics
	13:00-14:30	Lunch Break
	14:30-15:30	Session 3.3: Polynomials, curve fitting and interpolations
	15:30-15:50	Tea Break
	15:50-17:20	Session 3.4: Introduction to Simulink and Creating simulation using simulink
	17:20-17:30	Question & Answer session
Day 4		
	10:00-10:10	Informal Discussion
	10:10-11:10	Session 4.1: Building GUI's by own, Generating Executable Files and Stand-Alone Applications
	11:10-11:30	Tea Break
	11:30-13:00	Session 4.2: Development Tools and Programming Techniques, Debugging and Trouble shooting programs,
	13:00-14:30	Lunch Break
	14:30-15:30	Session 4.3: Applications of Symbolic Math
	15:30-15:50	Tea Break
	15:50-17:20	Session 4.4: Image Processing
	17:20-17:30	Question & Answer session
Day 5		
	10:00-10:10	Informal Discussion
	10:10-11:10	Session 5.1: Numerical Methods
	11:10-11:30	Tea Break
	11:30-13:00	Session 5.2: Projects/Case studies Demonstration, Handling data in MS Excel, Hardware control
	13:00-14:30	Lunch Break
	14:30-15:30	Session 5.3: CAD Applications and visulisation, Reading writing text files
	15:30 onwards	Valedictory and Certificate Distribution followed by High Tea