

Weekly schedule – Feb 2024

Week No.	Session 1 topic	Session 2 topic	Activities
Week 1	Introduction to the Module - The Module Descriptor - Weekly Schedule - Moodle Brief introduction to Abstract Thinking - PowerPoint	Brief introduction to Variables and operators: - Variables - data types - Operators (Arithmetic and Boolean) - Control structures (brief)	Q and A Individual Exercises Note-taking activity
Week 2	Week 1 Recap Decomposition of Problems - IPO Chart	IPO Chart Exercises Pseudocode (Control structure) - Sequence - Selection (IF) - Iteration (Loop)	
Week 3	Week 2 Recap Introduction to Flowchart - START/END - INPUT/OUTPUT - FLOW - DECISION - PROCESS - CONNECTOR	FLOWCHART Exercises - Questions on Moodle	Provide the questions one-by-one and let the students work individually, walk around and help. And finally workout the solution for the whole class with the students taking their feedback into consideration. Follow the same procedure for the next exercise
Week 4	FLOWCHART and PSEUDOCODE	FLOWCHART and PSEUDOCODE	Ask the students to write pseudocode for the flowchart exercises, walk around and help the students. And finally workout the solution for the whole class with the students, encourage the students to guide you for the solutions.

Week 5	Recap of Flowchart and Pseudocode Software Testing - Intro. to Trace table	Application of Trace Table - Exercises	Provide the questions one-by-one and let the students work individually, walk around and help. And finally workout the solution for the whole class with the students taking their feedback into consideration. Follow the same procedure for the next exercise
Week 6	Mock Test	Mock Test Feedback	Write the solution to the Test questions by asking the students (brain storming, Q & A), let the students provide you the answers, consider all correct alternatives.
Week 7	Assessment 2 – explanation/discussion	IPO Table Variables/Data types Flowchart Pseudocode Trace Table	Select and use of any of the given flowchart questions to teach following 5 key elements.
Week 8	Preparation/ Revision for In-class Test	In-class Test (Exams conditions apply)	
Week 9	Assessment 2 – Discussion Requirements Analysis - Requirement features list Prioritisation technique	Requirements Analysis - Requirement features list Prioritisation technique	
Week 10	Revision and Assessment Workshop	Revision and Assessment Workshop	