

Prospective Experts: (i) Dr. Amey Karkare, IITK

Module details of Introduction to Programming: A Pedagogical Approach

S.No	Module Name	Topics
1.	Introduction	introduction, Basic Concepts, Familiarize with lab and programming environment
2.	Branching	Branching and Loops Designing programming questions for Branching and Loops
3.	Functions & Recursion	Arrays, Functions, Recursion, Designing programming questions for Arrays, Functions and Recursion
4.	Data structures & algorithms	Simple Data structures and Algorithms Designing programming questions for Data structures and Algorithms
5.	Testing & debugging	Testing, Debugging, and How to Evaluation Student Submissions
	Examples cases	Case studies

Principal Coordinator - Academy	Co- Principal Coordinator - Academy	Participating Academies and Local Coordinator Details
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