

Problem Solving, Programming, Data Structures and Algorithms (C#.Net and Python)

Course Contents:

1. Introduction to programming using C#
2. Git and GitHub Fundamentals – Source Control
3. IDEs and Tools (VS Code, Visual Studio 2017, Jupyter Notebook, etc.)
4. Object Oriented Programming Fundamentals using C#
5. Mathematical Foundations (Probability, Combinatorics, Discrete Maths, etc.)
6. Unit Testing using MSTest and PyTest
7. Test Driven Development
8. Code Refactoring Fundamentals
9. Problem Solving Fundamentals
10. Algorithm Design and Structured Problem-solving Approaches
11. SQL Fundamentals
12. Bash Shell Scripting Fundamentals
13. PowerShell basics
14. Programming with Python Fundamentals
15. Advanced Python Programming
16. Data Structures and Algorithms

Guidance and Mentoring:

- Aptitude Preparation
- Problem Solving
- Hackathons
- Online Coding Contests
- Projects

Course Duration: 3 to 6 months

Course Fees: 15000 (can be paid in three instalments)