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

Course Contents:

1. Introduction to programming using C#/Java
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#/Java
5. Mathematical Foundations (Probability, Combinatorics, Discrete Maths, etc.)
6. Unit Testing using MSTest/JUnit 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)

Project Guidance in Windows/Mobile App Development for Final Year Students