

Competitive programming with C, C++, Java or Python

1. Pick one Language either C, C++, Java or Python
2. Mathematics of Time and Space Complexity
3. Data Structures and Algorithms
4. Competitive programming questions and practice

*Note : After selecting a programming language, the students will be assessed and trained in the selected programming language so that they can start their coding journey effectively.

Object Oriented Programming & Design

1. Object
2. Class
3. Inheritance
4. Polymorphism
5. Abstraction
6. Encapsulation
7. Coupling
8. Cohesion
9. Association
10. Aggregation
11. Composition

*Note : The sessions will be conducted in C++, Java and Python respectively so that the student can understand the concepts effectively.

Web Design with HTML, CSS & Javascript

1. Hypertext Transfer Protocol (HTTP)
2. Web services
3. Designing Static Front end using Html & css
4. JavaScript to implement dynamic behavior
5. Web Hosting

Build Your Own Database

1. Data Modeling
2. Relational Data Model
3. Normalization
4. Transaction and Concurrency
5. SQL queries, ORM & No-SQL

Machine Learning with Python

1. Supervised Learning
2. Unsupervised Learning
3. Semi-supervised Learning
4. Feature Learning
5. Reinforcement Learning

Guidance for your Coding Projects in UG, PG & PhD

I will help you with my technical and coding skills to solve your hurdles in finishing your academic projects and teach you the necessary skills to finish your projects on your own.

Be it a research project or engineering project, I make you catch fish not just provide you a fish.