

Q6. Curriculum Overview.

- Programming Fundamentals.

- Variables, Loops, Control Flow, Functions, Recursive Functions, Arrays (1D, 2D, ND).

- Advanced Topics.

- Pointer, STL, Templates, Headers, and Includes, Exception Handling, Compilation Process.

- Object Oriented programming
 - Object, Classes, Abstraction, Inheritance, Polymorphism, Operator Overloading.
 - Embedded in homework, several design principles & patterns.

- Modern C++ 11/14/17
 - Move Semantics, Perfect Forwarding, Variadic Template, Folding Expressions, Smart Pointers, Lambda Expressions, Wrappers (Optional), Variant, any, functional and more.

- Extensive set of quizzes, practice, homework and projects.