

C++ & INTRODUCTION TO OBJECT ORIENTED PROGRAMMING LANGUAGE (1WEEK)

COURSE CONTENT

- Introduction to the course
- Programming and C++ language
- Differences between C and C++
- References and reference semantics
- Function overloading
- Classes
- Const,static and friend functions
- Operator overloading
- Composition
- Namespaces
- Standard string class
- Inheritance
- Runtime polymorphism and virtual functions
- Runtime type identification
- Templates
- Multiple inheritance
- Standard template library (STL)
- Iostream classes