C++ STANDARD LIBRARY

The C++ Standard Library can be categorized into two parts:

- **The Standard Function Library:** This library consists of general-purpose,stand-alone functions that are not part of any class. The function library is inherited from C.

- **The Object Oriented Class Library:** This is a collection of classes and associated functions.

Standard C++ Library incorporates all the Standard C libraries also, with small additions and changes to support type safety.

The Standard Function Library:

The standard function library is divided into the following categories:

- I/O

- String and character handling

- Mathematical

- Time, date, and localization

- Dynamic allocation

- Miscellaneous

- Wide-character functions

The Object Oriented Class Library:

Standard C++ Object Oriented Library defines an extensive set of classes that provide support for a number of common activities, including I/O, strings, and numeric processing. This library includes the following:

- The Standard C++ I/O Classes

- The String Class

- The Numeric Classes

- The STL Container Classes

- The STL Algorithms

- The STL Function Objects

- The STL Iterators

- The STL Allocators

- The Localization library

- Exception Handling Classes

- Miscellaneous Support Library