

## LAB 6

### DATA CONVERSION IN C++

In this lab, students shall write and run different programs related to *basic to user defined, user defined to basic, and user defined to user defined data conversions* in C++ programming language. Following programs with different task number shall be covered in this lab:

#### **Task #1:**

Write a program in CPP to convert the distance in meters entered by the user into distance in feet and inch using the concept of **basic to user defined** data conversion.

#### **Task #2:**

Write a program in CPP to convert the distance in feet and inch entered by the user into distance in meters using the concept of **user defined to basic** data conversion.

#### **Task #3:**

WAP in CPP to convert the co-ordinates from Cartesian system to polar system using the concept of **user defined to user defined** conversion by writing **conversion routine in source class**.

#### **Task #4:**

WAP in CPP to convert the co-ordinates from Cartesian system to polar system using the concept of **user defined to user defined** conversion by writing **conversion routine in destination class**.