**Abstract**

Simple 2D graph plotting is a mini-project implemented on C++ platform to plot two dimensional graphs. The program takes mathematical data from the user as input and generates a corresponding graph on the Cartesian plane in DOS window. The main module used in the program is <**graphics.h**> which include various predefined functions to achieve drawing lines, circles, mouse applications, etc..

The program flow continues in a hierarchical manner and after selecting a choice a new DOS window is opened and the graph is drawn in that window using GUI. After choosing which graph to be drawn we also provided an option to choose between different colours with which to be drawn. The axes are automatically constrained to the range of the graph. Graph can be analysed easily by getting the coordinates of any point in the graph by moving the mouse to that respective point.