**CSEN1131P - SOFTWARE ENGINEERING LAB**

**EXPERIEMENT-1**

**Implement weather modeling using the quadratic solution in stages: hard-coding variables keyboard input, read from a file, for a single set of input, multiple sets of inputs. save all versions, debug, fix problems, create a Github account.**

**Your Github Link:**

**Programs link from your account:**

**Name of the Student:**

**Complete Roll No:**

**TASK -1**

**Implement weather modeling using the quadratic solution with hard coding variables (fixed variable values give in program)**

**Screenshot of program**

**Screenshot of plot**

**TASK -2**

**Implement weather modeling using the quadratic solution with hard coding variables through keyboard input by user**

**Screenshot of program**

**Screenshot of plot**

**TASK -3**

**Implement weather modeling using the quadratic solution with hard coding variables read from a file**

**Screenshot of program**

**Screenshot of plot**

**TASK -4**

**Implement weather modeling using the quadratic solution with hard coding variables for multiple sets of inputs**

**(multiple sets of variable values given in program or file or user input and print all sets of graphs in one plot and specify those sets values)**

**Screenshot of program**

**Screenshot of plot**

**TASK -5**

**Implement weather modeling using the quadratic solution with combination of hard coding variables (fixed) and user input through keyboard and specify the type of graphs with values**

**Screenshot of program**

**Screenshot of plot**

**Description of libraries methods or functions from the above all programs**