USN:1BM18CS117

**GRAPHICS EDITOR**

Purpose:

The Graphics Editor Software is an interactive application that allows the user to create, edit, layout, save, and print arbitrary models or graphs. The vision of the software is to provide an interactive yet simple way to design the models and export them as a soft copy or a hard one.

Scope:

The system will be offline based so as to work on it wherever and however the condition is without the requirement of the internet. The software promises even the professional engineers ineasily developing the software models without much effort.

Functional Requirements:

* It contains the toolbox which contains tools like: Line, Circle, Rectangle, Arc, Polygon,
* Parallelogram, Text, Draw, Eraser
* Color box or palette
* Standard toolbar with options for New, Open, Save, toolbox and Text Toolbox.
* One integrated view to users for toolbar, color box, menu, and graphic screen.
* Ability to group several drawings into one i.e. complex drawing.
* Provision of zoom in and zoom out.
* Different shadings of line tools are provided.

Non-functional requirements:

* The system should be easy to handle.
* System should give expected results.
* The response time should be small.
* The database should be secure.