



GRAPHICAL IMPLEMENTATION OF 3D ROUTE MAP OF BMSIT&M

Dr Anil G N(Associate Professor),Mr Anand R(Assistant Professor),
Mrs Ambika G N(Assistant Professor), Dept. of CSE
Tanuja S,Tanushree S



Introduction:-

Before GPS, before radar, and even before sonar, a traveler's best chance at finding the way around the big land was charts and maps. One of the mostly used maps are Road maps or Route maps. A road map or route map is a map that primarily displays roads and transport links rather than natural geographical information. This route maps can be implemented using OpenGL API .

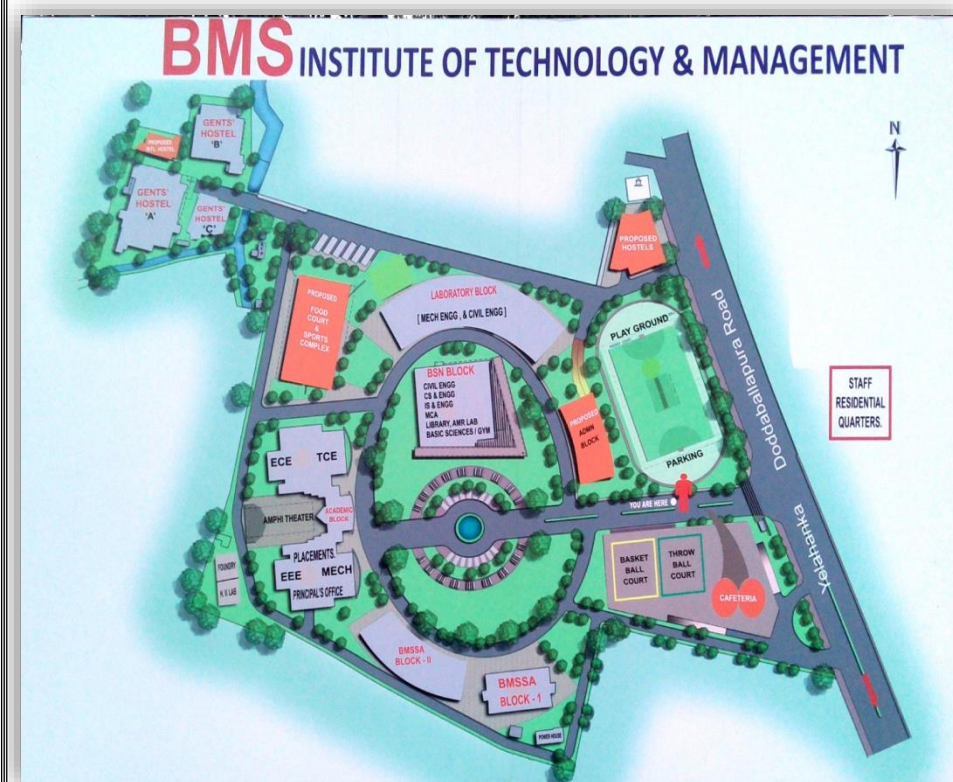
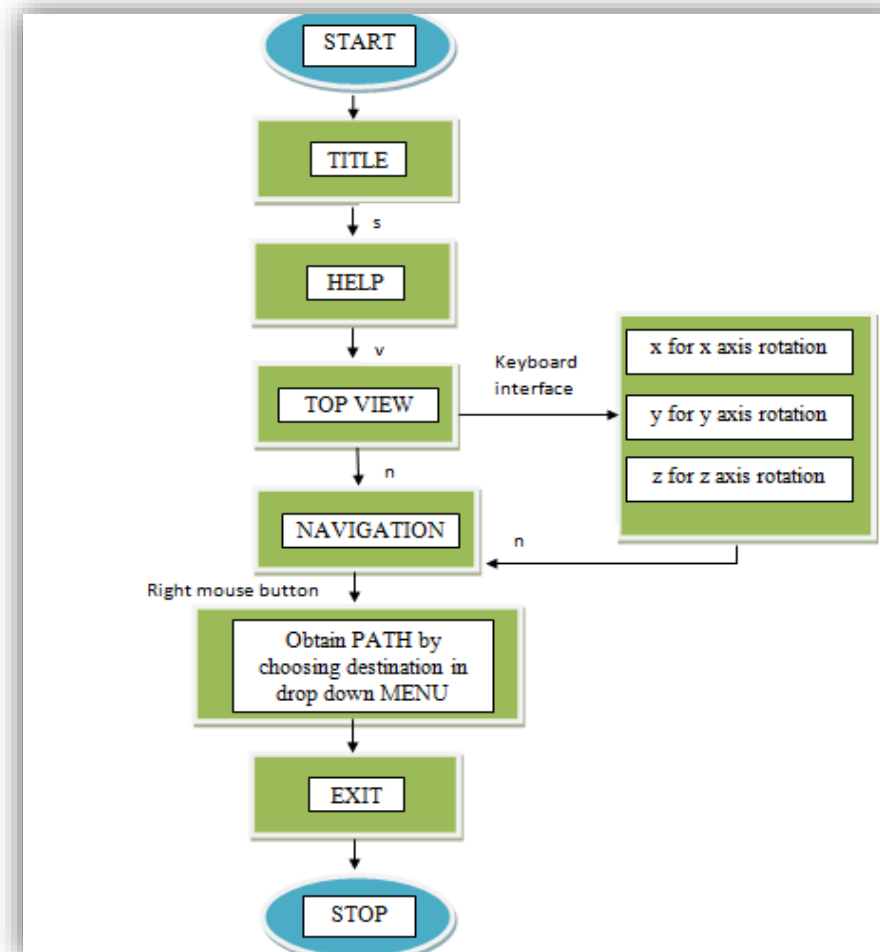


Fig. Route map of BMSIT & M College.

Objectives:-

- ✓To show the navigation path through BMSIT&M using OpenGL.
- ✓Effective usage of c++ language.
- ✓To provide a variety of route options like menus, commands etc.
- ✓To provide multiple interfaces by either using keyboard or mouse.
- ✓To make user friendly application supporting with all information required.
- ✓To show navigation in top, front and 3d views.

Flow Chart :-



Snapshots:-

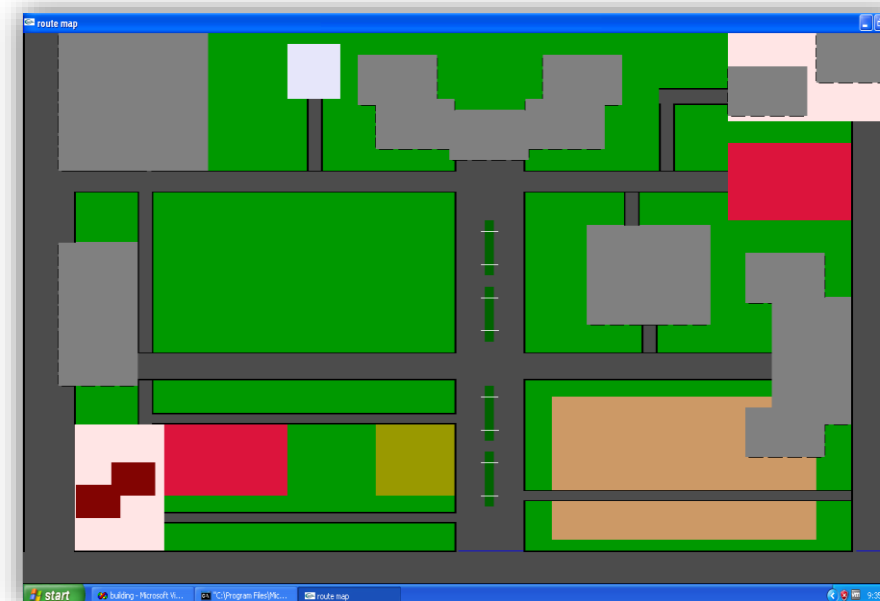


Fig.Top View

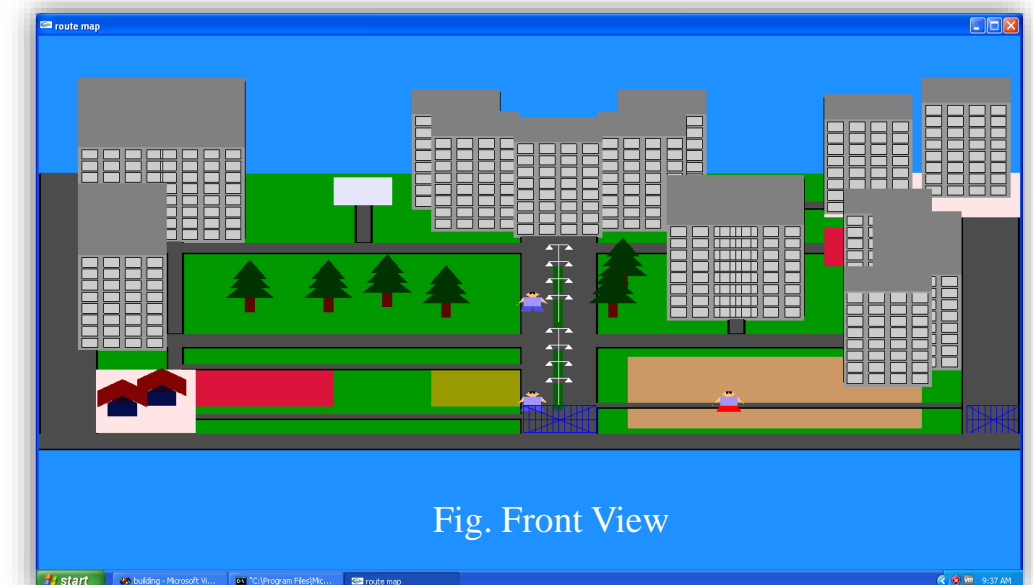


Fig. Front View



Fig. Obtaining the path

Future Enhancement:-

- ✓Detailed graphical implementation can be done .
- ✓Collision detection algorithm can be added.
- ✓Perspective views can be added and camera viewing options can be given.
- ✓More than one path can be shown .

Conclusion:-

If you are a visitor to BMSIT&M you can use this 3D ROUTE MAP to navigate the entire campus without any hurdles in your way.