**Computer Graphics laboratory Project Report**

**Aim:** To implement Standard Math’s Interactive Animations using OPENGL.

Animations include as follows:

1. Formation of Conic Sections namely Circle, Ellipse, Parabola, Hyperbola.
2. Cross-section of Cone to show different Conic Sections.
3. Animations to prove some Standard Limits.

Namely, lim x->0 (**sin(x) / x**) = 1 and lim x->0 (**tan(x) / x**) = 1

**Potential Users:** +1 , +2 Standard Students.

**Potential Work:** To Understand the Major concepts in mathematics using Animations.

**Description:**

**Progress:**

1. Completed the Formation of conic sections.
2. Animations to prove some Standard Limits.

**On Progress:** Cross-section of cone to show different Conic Sections**.**

**Limitations:**