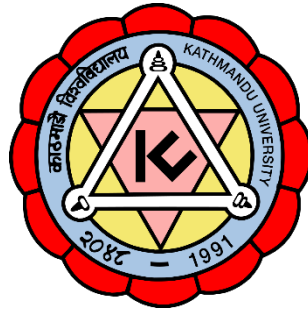# Kathmandu University

Department of Computer Science and Engineering

Dhulikhel, Kavre

Computer Graphics (COMP 342)

Mini Project Concept

Submitted to:

Mr. Dhiraj Shrestha

Department of Computer Science and Engineering
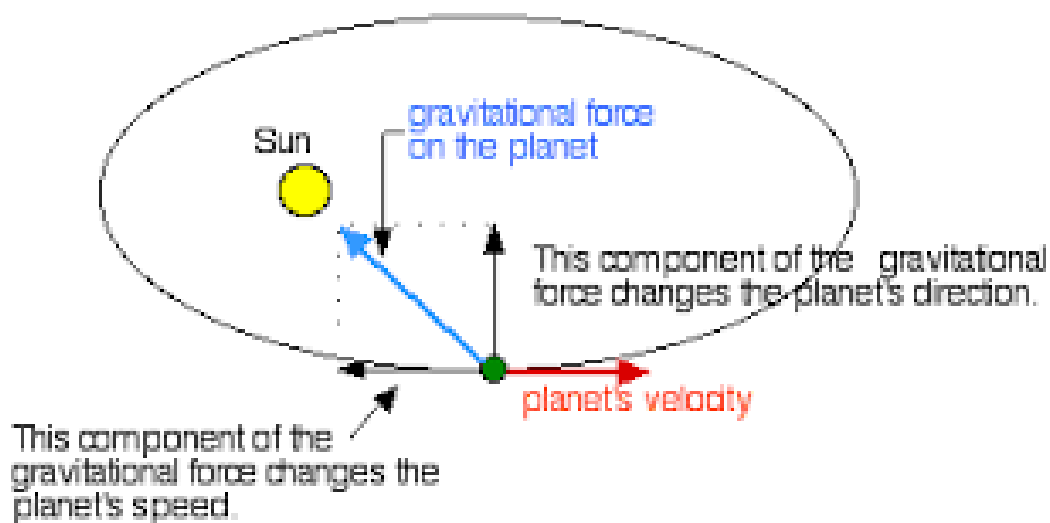
Submitted By:

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Roll no.: 15

CE-2019 3rd year/2nd semester

Submission date: 24th April, 2023

Planetary Orbit Simulation

For the mini project, I will try to simulate a simple two-dimensional view of an orbit of a planet in a star system. Gravitational Force attracts a lesser massive body towards the star while planets velocity tends to move it away in a straight line. They relatively form an orbit around the star in the shape of an ellipse as shown in the figure below.

Planet's orbit around a star

I will be using PyOpenGL library for the project and also, I may have to use PyGame whenever needed.