**ABSTRACT**

The solar system and its planets have been a mystery since a long time. Most of the people around the globe have many misconceptions about the planets, it’s satellites and their motions such as rotation about its axis and revolution around the sun. The motions of satellites around a planet have also been shrouded in a cloud of mystery for many people. A satellite is any object that is orbiting the earth, sun or other massive body. Satellites can be categorized as natural satellites or man-made satellites. The moon, the planets and comets are examples of natural satellites. Accompanying the orbit of natural satellites are a host of satellites launched from earth for purposes of communication, scientific research, weather forecasting, intelligence, etc.

This project aims to simulate the different motions of a satellite around a planet. It also provides top view and bottom view for better understanding of retrograde motion and angled motion along with normal motions of a satellite. This will help the common user to understand the complex science behind satellite motions.

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