**Topic of the Project:**

PLANETARY SYSTEM (SOLAR SYSTEM) using Three.js

**Description of the Project:**

In this project I have aimed to make a solar system including all the 8 planets rotating around the sun at a different speed.

I have made the planets as close as possible to the real looking ones by applying the terrains of the real planets over the spheres I created. The planets are revolving around the sun on the orbit that too is been plotted on the screen.

To give the solar system a bit of realistic thought I have added an asteroid field in between the two planets of MARS and JUPITER. Also I have tried to make the speed by which the planets are rotating around the sun and the distance of the planets from the sun in the same ratio as in real solar system.

In all I have given this project my all and made the best possible project that my knowledge permitted me in the given span of time.

**Benefits from Making the Project:**

I have learned all the basics concepts of Three.js thoroughly and brushed up my concepts by making this Project.

**Future Add-On’s:**

Dwarf planets can be added and some asteroids can also be added whose path trajectory will be at an extreme angle to that of the planets.

The concept of collisions between the asteroids can be added.

Asteroid Belt can be made more realistic.

All these add-on’s I was planning to do from my end but I lacked the knowledge about how to make this add-on. These I am thinking to add in the near future in the same project when I have acquired the knowledge to do so.