19 February 2020

CTIS 222 2020 Spring Project Proposal

Konya Space Program

# project members

### Aytuğ Berk Şengül

### Burak Türksever

# project scope

* The Project is going to be used for creating and launching rockets by the private spaceflight company called SpaceĞ.
* The company is located in Sarayönü/Konya.
* It is a management information system.
* Users are able to create virtual spacecrafts with an interactive craft designer in which the software gives feedback to user generally about craft’s mass, dry mass, thrust-to-weight ratio and its aerodynamic properties on differents layers of the atmosphere.
* A spacecraft may have modules such as command module, supply module, fuel tanks, rocket engines, stage separators, communication devices. These modules may be grouped as different stages just as real life.
* If the time lets us, it will possibly have seed based random solar system generation in order to simulate flight mechanics within other solar systems with different gravitational fields.