Project Guidelines
AE-673A
2020-21 I Sem

About the project

- AE673 project consists of a project report followed by a 5 minute presentation.
- Projects are to be done groupwise.
- Each group will give one presentation (using ppt) on zoom. A soft copy(in ppt format only) of the project presentation (no more than 7 slides) should be emailed to me on or before ***November 15th ,2020*** so that I can upload the presentations on computer on ***November 16th***.

About the project

- Additionally a soft copy (in pdf format only) of the project report should be emailed to me on or before ***November 15th, 2020*** (Sunday) on two different email Ids namely:

skamle_iitk@yahoo.co.in

vivekkh@iitt.ac.in

- Presentations to be held during the next weekend on ***November 21 and November 22***.

About the project

- The file name of the presentation MUST be rollno_ppt.ppt. The file name of the project report MUST be rollno_report.pdf. The word rollno must be replaced by your roll number e.g. y1111_ppt.ppt
- There is a late penalty of 2 marks per day (total project marks are 15) for late submission. 1 Mark will be deducted for not giving the proper file names.
- ***Project Weightage is 15%***

About the project

- **Three parts to the project**:

PART-A: Use a software (such as stellarium)and find the position (RA, declination, altitude and azimuth) of the sun, moon and the other planets at the day and time of your birth.

***If you do not know the time of your birth, use 9 AM as the time.**

About the project

- **PART-B**: Using the time and date of your birth, find the RA and declination of the sun using kepler's laws and software such as MATLAB. Compare with the results in PART-A.
- **PART-C**: Choose the project assigned to you. Collect information about the space vehicle system, trajectory with regard to that space mission etc.

See the motion of stars and track the satellites

- Stellarium is a free open source planetarium for your computer.

http://stellarium.org/

- To track Megha Tropiques

http://www.n2yo.com/?s=37838

- To Track International space station

http://iss.astroviewer.net/observation.php