Title: A FEASIBILITY STUDY OF REGIONAL AIRCRAFTS FOR TURKEY

Reference: Aircraft Performance Calculations

Position Availability: 1 Student

Project Description:

In this study the general characteristics of regional aircrafts will be determined. The performance parameters of two different aircrafts, Airbus A318 and Boeing B737 which are the 130 seats capacity regional jets of nowadays, will be calculated and compared. The routes of the aircrafts will be chosen as the proper distances for THY like İstanbul-London and İstanbul-Moscow. The advantages or disadvantages of the regional jets will be determined according to higher seat capacity aircrafts.

Work Description:

- Determination of regional aircraft parameters.
- Calculation techniques for performance parameters.
- Comparison of two aircraft’s performance.
- Comparison of regional and higher seat capacity aircrafts.

Required Qualifications and Skills:

- Should have taken ME483
- MATLAB user