Dear Student

Greetings from Univariety!

Aeronautical / Aerospace Engineering is one of the most challenging fields of engineering with a wide scope for growth. This field deals with the development of new technology in the field of aviation, space exploration and defence systems. It specialises in the designing, construction, development, testing, operation and maintenance of both commercial and military aircraft, spacecrafts and their components as well as satellites and missiles.

As Aerospace Engineering involves design and manufacture of very high technology systems, the job requires manual, technical as well as mechanical aptitude. Aeronautical engineer's usually work in teams under the supervision of senior engineers, bringing together their skills and technical expertise. Though highly paid, the work is very demanding. An aeronautical engineer needs to be physically fit and fully dedicated to his work. One needs to be alert, have an eye for detail and should have a high level of mathematical precision to be successful.

The specialisations includes in areas like structural design, navigational guidance and control systems, instrumentation and communication or production methods or it can be in a particular product such as military aircrafts, passenger planes, helicopters, satellites, rockets etc. Engineers may work in areas like design, development, maintenance as well as in the managerial and teaching posts in institutes. They find a very good demand in airlines, aircraft manufacturing units, air turbine production plants or design development programmes for the aviation industry. Aerospace environment is sophisticated with rewarding career opportunities involving leading-edge technology.

Admission & eligibility to pursue Aerospace Engineering:

The basic eligibility criteria for a B.E/B.Tech is (10+2) examination with science subject such as Maths, Physics and Chemistry. For IITs, it is mandatory to qualify in the Joint Entrance Examinations Advanced (JEE Advanced). The duration for the a B.E/ B.tech is 4 years.

To know more about the test and the pattern ,kindly go through the links below:

https://www.univariety.com/test/Joint-Entrance-Examination--Main/7abc2cbe

https://www.univariety.com/test/Joint-Entrance-Examination-Advanced/ad4dcfc1

Top Aeronautical Engineering (B.Tech) colleges:

1) Institute of Aeronautical Engineering, Hyderabad

2) India Institutes of Technology - Mumbai, Chennai, Patna, Kharagpur etc

3) National Institute of Aeronautical Engineering, Dehradun

4) Madras Institute of Technology

5) School of Aviation Science and Technology, Delhi

6) SRM University, Chennai (SRM Chennai)

We hope the above information has helped you achieve clarity with regards to your query. Below, please rate your satisfaction level with this response. Also, feel free to write to us if you have any further queries.

Regards,

Team Univariety