

Date: 11th Jan, 2022

Stake Holder Feedback Summary and ATR for the A.Y.:2020-2021

Students:

- Programming languages like Python and others may be included
- The syllabus for the courses Basic Electrical Electronics Engineering (BEEE), Flight Dynamics, Aerodynamics, Computational Fluid Dynamics and Satellite Technology is heavy.
- The courses like Data Base Management Systems (DBMS) and Automobile Engineering may be included.
- The tools like MATLAB, Solid Works, ABACUS, Openfoam may be included
- In-depth knowledge about AUTOCAD is necessary
- Laboratory component is required for the Composite Materials and Additive Manufacturing
- Introduction to Space Technology and Satellite Technology courses have some similar course content. In addition, Introduction to Space Technology and Space Mechanics have some similar content in syllabus.
- Unmanned Aerial Vehicle Systems (UAV) may be included as mandatory course.
- Improve number of industrial visits
- UAV may be considered as mandatory course
- More hand on practice required for laboratory sessions

Internal Faculty:

- Advanced content in the Aircraft systems and instruments may be included
- Computational methods for courses related aerodynamics and aircraft structures may be included.
- The concept "Method of Variation of Orbital Elements" of UNIT-IV of Space Mechanics course may be removed.
- The topic "Non-Reactive Gas Mixtures" may be removed from the Engineering Thermodynamics course content. In addition, the concept of "Properties of Pure Substances" may be brought to Initial Units of the course content.
- Metallurgy Material Science and Manufacturing Technology may be combined.
- Remove Unit-IV (Principle Stresses) form Strength of materials and add in the Aircraft Structures-I (IV Semester)
- Add FGM topic in UNIT-I instead of Unit-V in MOC (17AE24) course and remove Functionally Graded Materials topic
- Partial Differential equations may be strengthened in application point of view in the DELA (17FE04) course. Basic of Complex functions may also be included.

Parents:

- Try to improve the on-campus placements in core sector
- Counsel the students such that they can improve the mental health
- Motivate the students towards higher-education
- Advanced courses training/certification programs may be conducted


Employer:

- Courses on 3-D printing may be included
- In-depth knowledge on Manufacturing processes is needed
- Improved knowledge on CATIA 3D experience is necessary
- More design software may be included

Action Taken Report:

- The suggestions on the curriculum improvements are noted and the same will be discussed in PAC and BOS.
- MATLAB as a laboratory course is already included in IV sem of R20 curriculum
- Student certification courses will be planned for the Advanced AutoCAD, solid works, 3-D printing and others in the current or upcoming academic years.
- The department is opening the personal contacts of the faculty and also seeking help from the Alumni to improve the Core Placements.
- More number of Industrial Visits will be planned soon which are not there during the COVID-19 pandemic.
- Instructions are given to the faculty such that more hands on practice should be given to the students in the laboratories

25/10/2022
In-charge


Head of the Department

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