LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Affiliated to JNTUK, Kakinada & Approved by AICTE New Delhi,
Accredited by NAAC, An ISO 9001:2015 Certified Institution
L.B.Reddy Nagar, Mylavaram - 521 230, Krishna District, Andhra Pradesh, INDIA
Department of Aerospace Engineering
Website: http://lbrce.ac.in Email: hodaero@lbrce.ac.in Phone:08659-222933 Ext:513/515

Date: 04th Aug, 2022

Stake Holder Feedback Summary and ATR for the A.Y.:2021-2022

Students:

- The syllabus for the courses Flight Dynamics, Aerodynamics, Computational Fluid Dynamics, and Satellite Technology can be reduced
- The tools like Solid Works may be included
- In-depth knowledge about AUTOCAD and MATLAB is necessary
- Laboratory component is required for the Composite Materials and Additive Manufacturing
- Introduction to Space Technology and Space Mechanics have some similar content in syllabus.
- Unmanned Aerial Vehicle Systems (UAV) may be included as mandatory course.
- UAV may be considered as mandatory course
- More hand on practice required for laboratory sessions
- Improve number of industrial visits

Internal Faculty:

- Try to include AI/ML concepts
- 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:

- 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 semester 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.
- Inhouse made 3-D printer is available in the department. Faculty and students have been given training to work on this 3D printer. Aerofoils and nozzle are also made.
- Composite laminate preparation is made as part of laboratory experiment with fabrics, vacuum bagging and Hot-air oven
- The department is opening the personal contacts of the faculty and seeking help from the Alumni to improve the Core Placements.
- More number of Industrial Visits will be planned.

In-charge

Head of the Department

Head of the Department
Aerospace Engineering
Lakireddy Bali Reddy College of Engg.
MYLAVARAM - 521 230., Krishna Dt, A.P.