



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: 12th July, 2020

Minutes of Board of Studies (BOS) Meeting

- Chairman of BOS welcomed the members and presented the agenda of the meeting.
 - Discussion and finalization of modified course structure of R20 regulations
 - Discussion and finalization of syllabus and course outcomes of the semester I to IV
 - Salient features in R20 regulations
- BOS chairman presented the modified course structure of R20 regulations. The modification in structure as follows:
 - Universal Human Values is included in the place of Professional Ethics in the II semester
 - EPICS-I is placed in III semester (earlier it was in IV semester)
 - EPICS-II is placed in IV semester (earlier it was in V semester)
 - Aircraft Design (integrated Course) is converted into Aircraft design lab in VII semester
- Course structure of R20 is approved with following suggestions by BOS members:
 - The subject name Aerodynamics-II as Gas dynamics in IV semester.
 - The Engineering Physics course may be accommodated in the I semester instead of in the II semester.
 - On academic flexibility of students in VIII semester SPOC must be given as an option in addition to MOOCs to carry out the B. Tech project in MHRD / Research institutions for the complete semester.
 - In the pool of open electives, Data Analytics courses must be included.
- BOS members approved the course syllabus and course outcomes from I to IV semester with minor changes as follows:
 - In I semester Engineering Mechanics Lab – BOS members suggested to add Virtual experiment using IOT.
 - In III semester, Elements of Aerospace Engineering course – BOS members suggested to add a book “Flight without formulae” by Kermode
 - In IV semester Aerospace Materials and Manufacturing Technology course – BOS members suggested to change the course content in Unit II and to add basics of materials i.e Piezoelectric material, shape memory alloy, functional graded materials etc.,



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

- IT tool/computational usage in EPICS-I and EPICS-II is proposed by BOS members.
- In IV semester Thermal Engineering course – BOS member asked to replace the core course related to aerospace engineering by merging the Thermal Engineering syllabus with Engineering Thermodynamics course in III semester or the syllabus of Thermal Engineering need to be revised.
- BOS members asked to follow the policy and procedures prescribed by JNTUK on detention policy of students in R20.
- In any of the Mathematics course, the syllabus should be application oriented and it should be related to Aerospace applications - suggested by BOS members.
- In V semester, Internship course, BOS members asked to provide the minimum duration of 8 weeks for industrial internship.
- BOS members asked to ensure that the curriculum must be in-line with the present industry scenario i.e student must be trained with more number of IT tools in core Engineering domain.

| BoS-Chairman | University Nominee | Subject Expert (Academic) | Subject Expert, (Industry) | Alumni |
|--|---|--|--|---|
| <i>online</i> Dr. B. Eswara Kumar, Head of the Department Dept. of Aerospace Engineering LBRCE | <i>online</i> Dr. V. V. Subbarao Principal, JNTU N, Narasaraopet, JNTUK, Kakinada | <i>online</i> Dr. S. Thanigaiarasu, Professor & Head, Dept. of Aerospace Engineering MIT, Anna University, Chennai | <i>online</i> Mr. A. V. Ragupathy Scientist F, AFV, Assy, CVRDE DRDO, Avadi, Chennai | <i>online</i> Mr. V. V. Ajeshwar NDT Engineer, GMR Aerotechnic Ltd, RGI Airport, Samshabad, Hyderabad, Telangana-500108. |

| | |
|--|---|
| <i>online</i> Interim Member Dr. P. Lovaraju Professor-Dean Academics, Dept. of Aerospace Engineering LBRCE | <i>online</i> Internal Member Dr. L. Prabhu, Associate Professor, Dept. of Aerospace Engineering LBRCE |
|--|---|