



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
L.B.Reddy Nagar, Mylavaram - 521230, Krishna District, Andhra Pradesh, India
Department of Aerospace Engineering

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Date: 09-06-2018

Minutes of Board of Studies (BOS) Meeting

- BOS chairman presented the agenda of this meeting and mentioned that the major agenda point is to discuss on AICTE Model Curriculum to implement forthcoming R19 Regulations (WEF:2019-20).
- The BOS members recommended the Equivalent/Substitute courses as listed below for students readmitting into R14 to R17 regulations.

Readmitting into III Semester	No Substitute courses are required
Readmitting into IV Semester	Environmental Studies course is offered in III semester of R14 regulations. However the same course is offered in IV semester of R17 regulations. He/she has to register for Professional Ethics and Human values.
Readmitting into V Semester	Theory of Machines is offered in IV semester of R14 regulations. But in R17 it is listed in Program Elective I courses in V semester. So, he/she should opt for other than this course in Program Elective I.
Readmitting into VI Semester	Aircraft Structures II is offered in V semester of R14 regulations. But in R17 it is offered in VI semester. So, he/she may be offered Engineering Economics and Accountancy. He/she has studied Aircraft Performance in V semester of R14 regulations, he/she may offered Aircraft Stability and Control in the VI semester of R17 regulations instead of Flight Dynamics.
Readmitting into VII Semester	Mechanics of Composites is offered in VI semester of R14 regulations. But in R17 it is offered in VII semester. So, he/she may be offered Aerospace Materials.
Readmitting into VIII Semester	Since only program elective courses are offered in VIII semester of R17 regulations, he/she has to choose the electives accordingly.

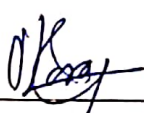

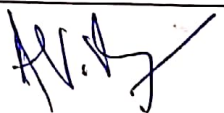
➤ The following number of courses are identified by considering total credits as per the AICTE model curriculum, January 2018.

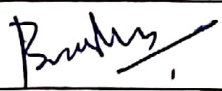


Program Core Courses: Engineering Fluid Mechanics, Engineering Thermodynamics, Strength of Materials, Elements of Aerospace Engineering, Aerodynamics I, Aircraft Structures, Manufacturing Technology, Elements of Heat Transfer, Aerodynamics II, Aircraft Propulsion, Aircraft Systems and Instruments, Flight Dynamics, Instrumentation, Measurements, and Experiments in Fluids.

Program Core Laboratory Courses: Fluid Mechanics & Hydraulic Machinery, Strength of Materials, Applied Thermodynamics, Manufacturing Technology, Heat Transfer, Aerodynamics, Propulsion, Aircraft Structures, Aircraft Component Modeling and Analysis, Aircraft Design.

Program Elective Courses: Theory of Machines, CAD/CAM, Non-Destructive Testing, UAV System Design, Advanced Structural Analysis, Computational Fluid Dynamics, Finite Element Methods in Engineering, Mechanics of Composites, Rocket Propulsion, Aerodynamics of Missiles and Launch vehicles, Combustion in Aerospace Vehicles, Experimental Stress Analysis, Space Mechanics, Applied Gas Dynamics, Introduction to Space Technology, Theory of Elasticity, Introduction to Smart Structures, Boundary Layer Theory, Advanced Propulsion Systems, Theory of Plates and Shells, Aero Engine Repair and Maintenance, Helicopter Engineering, Wind Engineering, Cryogenics, Aero Elasticity.

- All the major course outcomes were reviewed and approved with minor modifications.
- A certification program on Hypermesh was suggested in the department calendar of events for the AY 2018-19.
- The BOS members have made suggestions on applying for sponsored research projects.
- BOS members approved the list of external examiners for the AY 2018-19.
- Suggested some methodologies in teaching and learning process.
- It has been advised to prepare a separate self-appraisal form as per the cadre (Assistant Professor, Associate Professor and Professor).

	Not Attended		
Dr.P.Lovaraju Chairman Head of the Department Dept. of Aerospace Engineering LBRCE	Dr.V.V.Subbarao University Nominee Professor Dept. of Mechanical Engineering JNTUK, Kakinada	Dr.S.Thanigaiarasu Subject Expert, Academic Associate Professor Dept. of Aerospace Engineering MIT, Anna University, Chennai	Mr.A.V.Ragupathy Subject Expert, Industry Scientist E, AFV, Assy, CVRDE DRDO, Avadi, Chennai

		
Dr.B.Eswara Kumar Professor LBRCE	Dr.S.R.DhineshKumar Associate Professor LBRCE	Mr.L.Prabhu Sr.Assistant Professor LBRCE