



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME)

Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India


DEPARTMENT OF MECHANICAL ENGINEERING

Date: 14-07-2020

The Board of Studies (BoS) meeting of the Mechanical Engineering Department in virtual mode through Microsoft Teams is scheduled on 16-07-2020 at 02.30 PM to discuss the following agenda points.

Agenda Points for BOS meeting

- (1) R20 Course Structure- Both UG (Mechanical Engineering) and PG (Thermal Engineering)
- (2) Syllabi of the courses upto IV Semester- B.Tech.
- (3) Syllabi of the M.Tech courses.
- (4) Inputs and feedback reviews from stake holders on R20 Course Structure
- (5) Discussion on Research and Development activities.
- (6) Discussion on Blended Teaching and Learning Process
- (7) Approval of list of examiners for the A.Y. 2020-21.
- (8) Attainment of Course Outcomes COs of ODD semester for A.Y:2019-20
- (9) Discussion on Quality of project works for academic year 2019-20
- (10) Minor degree
- (11) Any other matter with the permission of chair


Dr.S.Pichi Reddy

HOD/Chairman, BOS

Dept. of Mechanical Engineering
LAKIREDDY BALI REDDY COLLEGE OF ENGG.
MYLAVARAM-521 230., KRISHNA DT, A.P.

Minutes of BoS Meeting Held on 16-07-2020

(1) R20 Course Structure- Both UG (Mechanical Engineering) and PG (Thermal Engineering)

- The professional core component according to AICTE is 48, but the component in the R20 regulation is 58. It is requested to look into this matter and if the variation is allowed it can be kept as it is. The percentage variation is around 20 percent and it can be allowed.
- In the first semester 20 credits are allotted and it's seems to be heavy. There is also orientation program and the class work need to be planned excluding the orientation program.
- In the second semester, environmental science it is a mandatory course is introduced. It's better if it is placed in the second year so that the lateral entry students will also study.
- EPICS may be too early to be introduced at the second year level. If possible it may be shifted to later semester depending on convince. It can also be made as a mandatory course.
- Production Technology and Modeling Lab should be renamed with Production Technology Lab as it is not possible to carry the modelling of the production processes.
- Suggested: In the machine drawing, one unit can be of modelling so that the components of the machine drawing can be drawn using software's like CATIA. The subject can be renamed as computer aided machine drawing and the external exam will be of conventional type which includes part drawing and assembly drawing. For the modelling internal evaluation with 10 marks is allowed.
- If possible, Operations research can be made as a regular subject as it is important for GATE examination. If not possible, it can be made as program elective.
- In Industrial Economics and Management, it is requested to include the economics part and if not possible, it can be made as Industrial Management. Also can include few parts of operations research.
- It is requested to complete the MOOCs before VIII semester so that the students have a facility to go to an industry and do a project for the entire semester.

- Geometrical dimensions and tolerances can be included as a main subject as it is having relevance in core industries. If not possible, it can be included as a unit in Metrology and Instrumentation subject.
 - Seminar is not included in the course structure, if not possible Internship can be renamed as Internship with Seminar.
- 2) Syllabi of the courses upto IV Semester- B.Tech.
- In Engineering Workshop, it is requested to include 3D printing also.
 - In Metallurgy and Material Science it is recommended to include Powder Metallurgy.
 - In the Engineering Mechanics and Fuels Testing Lab, cover the theory of the fuels testing and conduct the experiments.
 - Course Educational Objectives may or may not be kept in the syllabus. It has to be determined at the institute level.
- 3) M.Tech course structure and the syllabus.
- In the second semester- PC- Design of Solar and Wind Energy Systems can be renamed as Renewable Energy Technology.
 - The mini project can be renamed as mini project with seminar to include the seminar term in the course structure.
 - The Advanced Heat and Mass Transfer syllabus is similar to B.Tech apart from 5th unit. It is requested to include 2D concepts and finite different methods.
 - In Turbo machinery subject, include steam turbines instead of nozzles.
 - In Advanced Fluid Mechanics, replace the laminar flow with the viscous flow.
 - Disaster Management- verify whether it is mandatory for all the branches.
 - In hybrid electric vehicles, it is recommended to include photovoltaic cells and fuel cell based hybrid vehicles.
 - Rename the Refrigeration and Air-conditioning as Refrigeration and Cryogenics.
- 4) Inputs and feedback reviews from stake holders on R20 Course Structure
- It is requested to collect more number of inputs from the stake holders and try to incorporate the inputs in the R20 structure.
- 5) Discussion on Research and Development activities.
- The R&D publications are satisfactory and try to increase the number of publications and the sponsored projects.
 - The number of Ph.D scholars need to be increased as the department is a recognised research center under JNTUK-Kakinada.

6) Discussion on Blended Teaching and Learning Process

- In order to overcome the internet connectivity problems during the online teaching, it is requested to use the learning management system (LMS) and recorded videos.
- Requested to conduct polling during lecture to keep the students active.
- The content should be self explanatory as the teaching is in online.

7) Approval of list of examiners for the A.Y. 2020-21.

The list of examiners submitted is approved.

8) Attainment of Course Outcomes COs of ODD semester for A.Y:2019-20

The course outcomes for the odd semester are approved.


9) Discussion on Quality of project works for academic year 2019-20

- The quality of projects is satisfactory as they include the projects from various streams of mechanical engineering. Also projects with models, projects on materials and projects on cognitive science are present.

10) Discussion on Minor Degree.

For mechanical students, the Minor Degree in other disciplines of engineering can be introduced with 18 to 20 credits for the meritorious students with a CGPA of 8.0 and above. The study of minor degree need to start from V semester with well defined course structure covering the core courses of the concerned branch. The course structure for the minor degree need to be approved in the BoS meeting of the concern branch.

The BoS chairman expressed sincere thanks for all the members for attending the meeting and for providing valuable suggestions. The meeting concluded at 5.00 PM


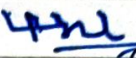


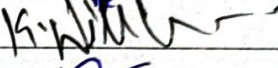

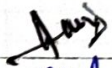
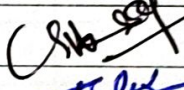
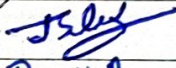

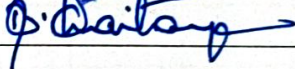


Dr.S.Pichi Reddy

HOD-Chairman, BOS

HEAD
Dept. of Mechanical Engineering
LAKIREDDY BALI REDDY COLLEGE OF ENGG
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Signatures of BOS members

	BOS Members	Signature
1.	Dr.S.Pichi Reddy	
2.	Dr.A.Gopala Krishna	Attended in online
3.	Dr.A.Venu Gopal	Attended in online
4.	Dr.A.V.S.S.K.S.Gupta	Attended in online
5.	Mr. R.Yogananda Reddy	Attended in online
6.	Mr. V.Sethu Ram	Attended in online.
7.	Dr.P.V.ChandraSekhar Rao	
8.	Dr.P.Vijay Kumar	
9.	Dr.P.Ravindr Kumar	
10.	Dr.K.Dilip Kumar	
11.	Dr.V.Dhana Raju	
12.	Dr.MurahariKolli	
13.	Dr. N. Sunil Naik	Not attended.
14.	Mr. S.Srinivas Reddy	
15.	Mr. J.Subba Reddy	
16.	B.Sudheer Kumar	
17.	Mr. B.Chaitanya	


Head of the Department

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