



VASAVI COLLEGE OF ENGINEERING (Autonomous)

9-5-81, Ibrahimbagh, Hyderabad-500031, Telangana, India

(Sponsored by Vasavi Academy of Education)

Phone: +91-40-23146003 Fax: +91-40-23146090, +91-40-23146080

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 29.07.2020

Minutes of the eleventh meeting of Board of Studies, Mechanical Engineering Department, held at 3.00 PM on 29.07.2020 (Wednesday) online (Zoom app).

Members Present:

Name of the Member	Designation
Dr. T. Ramamohan Rao	Chairman & HOD
Prof. M. Chandra Shekar Reddy	OU nominee
Dr. B. Venkatesham	Subject expert
Dr. Jeevan Jaidi	Subject expert
Dr. A.V.S.S. Kumara Swamy Gupta	Subject expert
Dr. L. Krishnanand	Subject expert
Mr. M. Srikantha Rao	Industry representative
Mr. Ravi Katukam	Alumni
Dr. K.Kishore	Faculty member
Dr. A. Srinivas	Faculty member
Dr. C. Gururaja Rao	Faculty member
Mr. K. Srinivasa Rao	Faculty member
Dr. S.Venkataiah	Faculty member
Dr. P. Venkateswara Rao	Faculty member
Dr. P.V.Gopal Krishna	Faculty member
Mr. K.Veladri	Faculty member
Mr. V.B.S. Rajendra Prasad	Faculty member
Mr. B.Radha Krishna	Faculty member
Dr. J. Anjaneyulu	Faculty member
Dr. P.V.S. Subhashini	Faculty member
Mr. M. Sudhakar	Faculty member
Mr. K.I. Spurgeon	Faculty member
Mr. D. Govinda Rao	Faculty member
Mr. B. Naga Manohar	Faculty member
Mr. B. Sandeep	Faculty member
Mr. N.B. Samba Murthy	Faculty member
Mr. S. Venkateswarulu	Faculty member
Mr. Md. Lughman	Faculty member
Mr. T. Krishna Chaitanya	Faculty member

Members not present:

Mr. Sanjay Kabra	Alumni
Mr. S. Sreekrishna	Faculty member

Dr. T. Ramamohan Rao, Chairman-BOS welcomed the members and introduced the new members and presided over the meeting. The following items on the agenda were taken up for consideration.

1. Confirmation of the minutes of 10th BOS meeting held on 22/02/2020

The Chairman and members reviewed the minutes of tenth BOS meeting held on 22.02.2020 and then confirmed.

2. Action taken report on the items of 10th BOS meeting held on 22/02/2020

The Chairman presented the action taken report for the suggestions given by the members of 10th BOS. The action taken report is shown in **Annexure-I**.

3. Review of Institute Vision & Mission, Department Vision, Mission, PEOs, PSOs and POs.

4. The Chairman presented the major achievements of the Department for the Academic Year 2019-20 in **Annexure-II**.

5. Review of the following for the BE students to be admitted during 2020-21:

- a. Scheme of instruction and examinations from I to VIII semesters.
- b. Syllabus for I and II semester courses.

The scheme of instruction and examination for the B.E. Semesters I to VIII and also the syllabus I and II semester courses for the AY 2020-21 were reviewed.

6. Review of the following for the BE students admitted during 2019-20:

- a. Scheme of instruction and examinations from III to IV semesters.
- b. Syllabus for III and IV semester courses.

The scheme of instruction and examination for the B.E. Semesters III to IV and also the syllabus III and IV semester courses for the AY 2020-21 were reviewed and the suggested changes were recorded in Annexure-III.

7. Review of the following for the BE students admitted during 2018-19:

- a. Scheme of instruction and examinations from V to VI semesters.
- b. Syllabus for V and VI semester courses.

The scheme of instruction and examination for the B.E. Semesters V to VI and also the syllabus V and VI semester courses for the AY 2020-21 were reviewed and the suggested changes were recorded in Annexure-III.

8. Review of the following for the BE students admitted during 2017-18:

- a. Scheme of instruction and examinations from VII to VIII semesters.
- b. Syllabus for VII and VIII semester courses.

The scheme of instruction and examination for the B.E. Semesters VII to VIII and also the syllabus VII and VIII semester courses for the AY 2020-21 were reviewed and the suggested changes were recorded in Annexure-III.

9. Review of the following for the ME (ADM) students to be admitted during 2020-21:

- a. Scheme of instruction and examinations from I to IV semesters.
- b. Syllabus for I and II semester courses.

The scheme of instruction and examination for the M.E.(ADM) Semesters I to IV and also the syllabus I and II semester courses for the AY 2020-21 were reviewed and the suggested changes were recorded in Annexure-III.

10. Review of the following for the ME (ADM) students admitted during 2019-20:

a. Scheme of instruction and examinations from III and IV semesters.

b. Syllabus for III and IV semester courses.

The scheme of instruction and examination for the M.E.(ADM) Semesters III and IV and also the syllabus III and IV semester courses for the AY 2020-21 were reviewed and the suggested changes were recorded in Annexure-III.

11. Introducing B.E. Honor's Degree program in Robotics for students to be admitted during 2020-21, guidelines, scheme and syllabus.

The list of courses and syllabus of B.E. (ME) Honors program were reviewed and the suggested changes were recorded in Annexure-III.

The meeting concluded with a vote of thanks to the Chair.



Dr. T. Ramamohan Rao
Chairman, Board of Studies,
Department of Mechanical Engineering

Chairman
Board of Studies
Department of Mechanical Engineering
Vasavi College of Engineering (Autonomous)
Hyderabad - 500031.

Annexure-I

S.No.	Suggested points in 10th BOS	Action taken
1.	The Chairman presented the syllabus of Critical Thinking and Critical Reasoning courses which are introduced as Open Electives for IV and VI-Semesters respectively for all B.E. Programmes from the academic year 2019-20.	Done
2.	The Chairman presented the new pedagogical methods to enhance the quality of Teaching – Learning Process.	Practicing
3.	The members have suggested to introduce B.E. Mechanical Engineering - Honors program with an additional 18 to 20 credits starting from 5 th semester for advanced learners. They should be given an option to withdraw any time from the Honors program. The completed credits should be reflected on the marks sheet for the students opted for withdrawal from honors programme any time.	1. Implementing Honors program from AY 2020-21 (R-20) 2. If any student withdraw from Honors will get BE (Mech.) certificate only.
4.	To discuss about various opportunities to collaborate with Institutions / R&D organizations to enhance R & D and Consultancy culture in the Department. The members have suggested to apply for AICTE sponsored projects as part of their research proposals. It was also suggested to apply for centrally funded institutes of technology (CFIT) for Ph.D work for faculty of AICTE approved institutions to get permission.	One AICTE RPS applied waiting for approval. Title: Investigation on non-linear, fatigue and fracture behavior of elastomers and composite materials.
5.	It is recommended to publish papers with WOS / Scopus data/UGC approved journals.	Implementing

Major Achievements of the Department (AY 2019-20)				
Our College received "Best new LC" outside the top 100 local chapters based on the performance on NPTEL online certification courses and recognized as Active Local Chapter with rating "AA" on the eve of NPTEL SPOC felicitation cum awareness workshop of south zone at IIT Madras on 25.01.2020				
Department of Science and Technology sanctioned inter disciplinary Research project FIST with a sum of Rs. 60 lacs in the month Feb-2019. A new 3D printing and 3D scanner procured under this project which is yet to be installed.				
Eight Guest lectures organized to the students of BE. IV & VI semester				
Our faculty and students participated in the NPTEL, Coursera certification courses during the Academic Year 2019-20. 15 Faculty members and 71 students obtained the certificates.				
MoU with Industries: Avishkar Industries Pvt. Limited. CIMTECH Systems Pvt. Limited.				
Dr. P. Venkateswara Rao successfully completed NPTEL certification course on "Fluid Machines" and secured Elite plus Gold with 91% marks, 5 th among the registered candidates.				
Faculty and students publications (in AY 2019-20) <ul style="list-style-type: none"> International Conferences - 10 papers International Journals - 3 papers 				
Result Analysis				
Section	I sem	III sem	V sem	VII sem
Mech. Sec.A	62.5	50.76	82.08	84.93
Mech. Sec.B	79.66	50.84	67.18	89.23
ME (ADM)	81.81	-	-	-
Placements: 72%; Highest pay package – 12.0 lacs pa;				
Higher studies: 12 students went abroad for Higher studies				
Students participated in SAE-SUPRA, SAE-BAJA, HPVC student formula and went upto technical inspection stage.				
30 students completed their Project / Internship in industries like RCI, DRDL, BDL, CYENT, BHEL, CPDDAM-OU, Avishkar Industries, Mouktik in the present academic year 2019-20 and some are with paid internships.				



SAE - SUPRA



SAE - BAJA



ASME - HVPC

Annexure-III

S.No.	Suggested points in 11th BOS
1.	It is proposed to delete CBCS from AICTE model curriculum.
2.	Advanced Fluid Mechanics is proposed to be shifted from PE-4 to PE-1
3.	It is proposed to include ISO9000, Reliability Engineering topics in Professional Electives – Industrial Engineering category.
4.	It is proposed to have MOUs with DRDO, DRDL, RCI, ARCI etc.
5.	It is also proposed to include a topic on Drones in B.E. program.
6.	It is proposed to include industry favorite topics like machine learning in B.E. program by 2 to 3 percent.
7.	In Machine Drawing subject P/D hours to be allotted.
8.	In Mini Project and Theme Based Project, SEE hours to be zero.
9.	It is proposed to give suitable title for B.E. (ME) honors program in Robotics.
10.	The titles of Robotics-I and Robotics-II to be given specific titles.
11.	There should not be a minimum bar of 20 students for B.E. honors program.
12.	Honors program should not mandate paper publication but a project can be given with suitable number of credits.
13.	The title of Industrial Automation course in B.E. honors program to be changed to Industry 4.0
14.	It is proposed to include a project in place of mandatory paper publication in B.E. honors program.
15.	It is proposed to increase the credits to 68 for M.E. program from 67 credits.
16.	It is proposed to suggest a suitable title for Metallurgy of Metal Casting and Welding course in M.E.
17.	Syllabus to be discussed with BOS member based on the specialization of the corresponding Department faculty.