



# VASAVI COLLEGE OF ENGINEERING (Autonomous)

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

(Sponsored by Vasavi Academy of Education)

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## DEPARTMENT OF MECHANICAL ENGINEERING

Date: 22.02.2020

Minutes of the tenth meeting of Board of Studies, Mechanical Engineering Department, held at 11.00 AM on 22.02.2020 (Saturday) at the Department of Mechanical Engineering, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad.

### Members Present:

Name of the Member	Designation
Dr. T. Ramamohan Rao	Chairman & HOD
Prof. Sriram Venkatesh	OU nominee
Dr. B. Venkatesham	Subject expert
Dr. Jeevan Jaidi	Subject expert
Dr. G.V. Ramana Murty	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
Mr. S. Sreekrishna	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. T. Krishna Chaitanya	Faculty member

### Members not present:

Dr. N.K. Singh	Industry representative
Mrs. S. Kirthana	Alumni
Dr. K.Kishore	Faculty member

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

**1. Confirmation of the minutes of 9<sup>th</sup> BOS meeting held on 21/05/2019**

The Chairman and members reviewed the minutes of ninth BOS meeting held on 21.05.2019 and then confirmed.

**2. Action taken report on the items of 9<sup>th</sup> BOS meeting held on 21/05/2019**

The Chairman presented the action taken report for the suggestions given by the members of 9<sup>th</sup> BOS. The action taken report is shown in **Annexure-I**.

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

**4. 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.**

**5. The Chairman presented the new pedagogical methods to enhance the quality of Teaching - Learning Process.**

**6. The members have suggested to introduce B.E. Mechanical Engineering - Honors program with an additional 18 courses starting from III 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.**

**7. 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.

**8. Other items.**

It is recommended to publish papers with WOS / Scopus data/UGC approved journals.

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



Dr. T. Ramamohan Rao  
Chairman, BOS

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



**Annexure-I**

<b>S.No.</b>	<b>Suggested points in 9<sup>th</sup> BOS</b>	<b>Action taken</b>
1.	It was proposed to restructure all the units in the course of Materials Engineering.	Done
2.	It was proposed to change the title of Basic Thermodynamics (OE course) to Basic Heat transfer for electronic systems	Done
3.	It was proposed to bring Curved Beams from unit-V to Unit-I in machine Design Course.	Done
4.	It was proposed to change the title of the course from Renewable energy systems to Renewable energy.	Done
5.	It was proposed to change the title of Non-traditional and CAM to Non-Conventional and CAM.	Done
6.	It was proposed to identify the courses in Non-Conventional and CAM to be grouped as Non-Conventional: Mechanical Non-Conventional: Chemical	Done
7.	It was proposed to review the syllabus of Fluid Mechanics & Hydraulic Machines and Kinematics of Machines.	Done
8.	It was proposed to shift the ME III-sem regular courses to MOOCS courses to enable the student to work full time on project Phase-I	Uniform policy is to be maintained
9.	It was proposed to include Arduino tool in the programming Course	Proposed to include in Technical Skills
10.	It was proposed to introduce a new course on Design of Electric Vehicles in Automobile Engineering Stream.	Proposed to start in the next academic year
11.	It was proposed to combine (a) Vehicle body engineering and Automotive Aerodynamics (b) Automotive Chassis components and Automotive transmission into a single course.	Same number of electives as other streams needs to be maintained
12.	It was proposed to review the syllabus of Automobile Engineering courses in line with ARAI, Pune.	Done

Major Achievements of the Department (AY 2019-20)				
Our College received " <b>Best new LC</b> " outside the top 100 local chapters based on the performance on NPTEL online certification courses and recognized as <b>Active Local Chapter</b> 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. 10 Faculty members and 60 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 <sup>th</sup> among the registered candidates.				
Faculty and students publications (in AY 2019-20) • International Conferences - 3 papers • International Journals - 4 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: 69.3%; Highest pay package – 12.0 lacs pa;				
Higher studies: 11 students went abroad for Higher studies				
Students participated in SAE-SUPRA student formula and went upto technical inspection stage.				
Industrial visits organised to the students of present B.E. VI-Sem. and M.E. II-sem. 1) Avishkar Industries Pvt. Limited 2) CIMTECH Systems Pvt. Limited				
25 students are doing their Project / Internship in industries like RCI, DRDL, BDL, CYENT, BHEL, CPDDAM-OU, Avishkar Industries, Cognizant technologies, Mouktik, SCI, Insight Hydraulics etc. in the present academic year 2019-20 and some are with paid internships				