



VASAVI COLLEGE OF ENGINEERING (Autonomous)

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(Sponsored by Vasavi Academy of Education)

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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 25.05.2018

Minutes of the ninth meeting of Board of Studies, Mechanical Engineering Department, held at 11.00 AM on 21.05.2019 (Tuesday) 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
Mr. Srikanth	Special invitee & Alumni (Manager, Hyundai Motors)
Mrs. S. Kirthana	Alumni
Dr. G.V. Ramana Murty	Faculty member
Dr. K.Kishore	Faculty member
Dr. A. Srinivas	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

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Members not present:

Dr. N.K. Singh	Industry representative
Dr. P.V.S. Subhashini	Faculty member
Mr. M. Sudhakar	Faculty Member
Mr. Md. Lughman	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 8th BOS meeting held on 17/05/2018

The Chairman and members reviewed the scheme and syllabus of B.E. and M.E. courses for the AY 2018-19 which were presented during the eighth BOS meeting held on 17.05.2018 and then confirmed.

2. Action taken report on the items of 8th BOS meeting held on 17/05/2018

The Chairman presented the action taken report for the suggestions given by the members of 8th BOS. The action taken report is shown in Annexure-I.

3. Review of Institute Vision & Mission, Department Vision, Mission, PEO's, PSO's, PO's and CO's.

The Chairman reviewed Institute Vision & Mission, Department Vision, Mission, PEO's, PSO's, PO's and CO's

4. Note on the Department achievements.

The Chairman reviewed Department achievements for the AY 2018-19 which are shown in Annexure-II.

5. Review of the following for the BE students to be admitted during 2019-20:

- 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 for I and II semester courses for the AY 2019-20 were reviewed and the suggested changes were recorded in Annexure-III.

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

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

The scheme of instruction and examination for the B.E. semesters III to VIII and also the syllabus for III and IV semester courses for the AY 2019-20 were reviewed and the suggested changes were recorded in Annexure-III.

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

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

The scheme of instruction and examination for the B.E. semesters V to VIII and also the syllabus for V and VI semester courses for the AY 2019-20 were reviewed and the suggested changes were recorded in Annexure-III.

8. Review of the following for the BE students admitted during 2016-17:

- 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 for VII and VIII semester courses for the AY 2019-20 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 2019-20:

- 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. semesters I to IV and also the syllabus for I and II semester courses for the AY 2019-20 were reviewed and the suggested changes were recorded in Annexure-III.

10. Review of the following for the ME (ADM) students admitted during 2018-19:

- 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. semesters III to IV and also the syllabus for III and IV semester courses for the AY 2019-20 were reviewed and the suggested changes were recorded in Annexure-III.

11. Other items.

11.1 It proposed to use a colour coding system during the presentation for the subsequent BOS meetings for scheme and syllabus to save time.

i) Scheme

New courses to be introduced	-	Green colour
Courses to be deleted	-	Red colour

ii) Syllabus

Topics to be deleted	-	Red colour
Topics to be added	-	Green colour


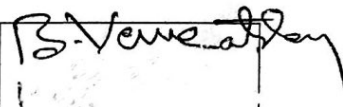

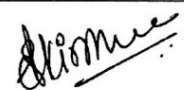
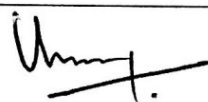
11.2 It is proposed to discuss new courses, major changes in the scheme and the syllabus during the beginning of the BOS meetings followed by routine matters.

11.3 It proposed to prepare a check list sheet for the syllabus of each course to include signature of those who prepared the syllabus and those who checked the syllabus and also the faculty member who prepared the syllabus should include % of syllabus change.

11.4 A PG student of M.E. (ADM) who has studied B.E. Mechanical Engineering in Vasavi College of Engineering may be given concession in Skill Development course as he / she would have undergone the same course during the B.E. course and the students should be encouraged to take-up a MOOCs course.

It has been resolved that the Chairman will be signing all the syllabus copies for UG & PG programs, discussed in the present meeting, indicating the approval of BOS.

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

Prof. Sriram Venkatesh OU Nominee	 21/5/2019	Dr. B. Venkatesham Subject Expert-1	
Dr. Jeevan Jaidi Subject Expert-2		Mrs. S. Kirthana Alumnus	
Dr. T. Ramamohan Rao Chairman, BOS			

Action Taken Report of 8 th BOS Meeting		
S.No.	Suggested points in 8 th BOS	Action taken
1.	PG syllabus for Engineering Research Methodology and IPR needs revision in terms of units and content.	Revised
2.	Pedagogy studies may be included in PG program instead of Sanskrit for technical knowledge as an audit course II.	Included
3.	Value Analysis and Value Engineering is to be renamed as Basics of Value Analysis and Value Engineering	The title was revised as per the suggestion.
4.	Mathematics-IV in semester-IV may be replaced with a PE course.	Mathematics-IV is renamed Numerical Methods, Probability & Statistics and the remaining part of Mathematics-IV is being offered as an OE course w.e.f R-19 scheme.
5.	Certified agencies and the title of the courses may be identified for MOOCs courses.	NPTEL and Coursera are identified for MOOCs certification
6.	The students who pursue B.E. (Honors) program may be asked to opt for some PG program core / elective courses to make up for the required credits in addition to the MOOCs courses.	This could not be implemented as the schedule for UG and PG programs is not the same. UG students are encouraged to pursue MOOCs courses for the additional 12 credits to get the BE (Honors) degree. Moreover Academic Council has not yet incorporated the feature in the regulations.
7.	In Engineering Workshop-II, 3D printing (Demo) may be replaced as Additive Manufacturing (Demo) under Machine shop.	Implemented from AY 2018-19.
8.	Hydraulic machines part to be clubbed with Thermal Turbomachines and to be renamed as Turbomachines	Found not feasible as the corresponding laboratories are handled by different Departments.

Annexure-II

Major Achievements of the Department (AY 2018-19)
NBA extended the period of accreditation by one more year based on Pre-qualifiers for M.E. (ADM).
Department of Science and Technology sanctioned inter disciplinary Research project FIST with a sum of Rs. 60 lacs in the month Feb-2019.
Mr. P. Venkateswara Rao, Associate Professor obtained Ph.D from Osmania University.
Our faculty and students participated in the NPTEL, Coursera certification courses during the Academic Year 2018-19. 14 Faculty members and 20 students obtained the certificates.
<p>Dr. P. Venkateswara Rao successfully completed NPTEL certification course on "Principles of hydraulic machines and system design" and secured Elite Gold 2nd position based in his performance in the examination.</p> <p>Mr. N.B. Sambamurthy successfully completed NPTEL certification course on "Concepts of Thermodynamics" and secured second rank at National Level.</p> <p>Mr. V. Pramod successfully completed NPTEL certification course on "Engineering Metrology" and secured second rank at National Level.</p>
<p>Faculty and students published (in AY 2018-19)</p> <ul style="list-style-type: none"> • International Conferences - 17 papers • International Journals - 5 papers
<p>One of our final year student Mr. Avanish Athreya secured 686 Rank in GATE 2019</p> <p>Another student Mr. Sai Sathvik secured 92 percentile in CAT 2019</p> <p>57% of our eligible students secured placement during 2019-20</p>
Students participated and got 5th position in Student Design Challenge-2019 in the ASME's Global E-Fests 2019, During 1-3 Feb 2019 Organized by VIT, Vellore
<p>Students participated in Asia-Pacific Human Powered Vehicle Challenge (HPVC 2019)</p> <p>During 1-3 Feb 2019, Organized by VIT, Vellore and obtained 10th Rank in Design, 13th rank in Drag and 14th Rank in Endurance.</p>
ED Cell-VCE has received the Best Innovation Cell in Undergrad Summit organized by Stumagz, Hyderabad.

1. It is proposed to include Arduino tool in the programming course.
2. It is proposed to introduce a new course on Design of Electric Vehicles in Automobile Engineering stream.
3. It is proposed to combine
 - (a) Vehicle Body Engineering and Automotive Aerodynamics
 - (b) Automotive Chassis Components and Automotive Transmissioninto a single course.
4. It is proposed to restructure all the units in the course of Materials Engineering.
5. It is proposed to change the title of Basic Thermodynamics (OE) to Basic Heat Transfer for Electronic Systems.
6. It is proposed to bring curved beams from unit-V to unit-I in Machine Design course.
7. It is proposed to change the title of the course Renewable Energy Systems to Renewable Energy.
8. It is proposed to review the syllabus in the courses of Automobile Engineering stream in line with ARAI, Pune.
9. It is proposed to change the title of the course Non-traditional and CAM to Non-conventional and CAM.
10. It is proposed to identify the courses in Non-conventional and CAM to be grouped as Non-conventional: Mechanical, Non-conventional : Chemical.
11. It is proposed to review the syllabus of Fluid Mechanics & Hydraulic Machines and Kinematics of Machines.
12. It is proposed to shift the M.E. (ADM) III-semester regular courses into MOOCs courses to enable the student to work full time on Project Phase-I.