



# VASAVI COLLEGE OF ENGINEERING (Autonomous)

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(Sponsored by Vasavi Academy of Education)

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With effect from AY 2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING

Date: 04.04.2018

Minutes of the seventh meeting of Board of Studies, Mechanical Engineering Department, held at 10.30AM on 04.04.2018 (Wednesday) at the Department of Mechanical Engineering, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad.

### Members Present:

Prof. G.V. Ramana Murthy	Chairman & Head
Prof. SriramVenkatesh	OU nominee (OU Hyderabad)
Dr. B. Venkatesham	Subject expert (IIT Hyderabad)
Dr. Jeevan Jaidi	Subject expert (BITS Hyderabad)
Dr. N.K. Singh	Industry representative (BHEL R&D)
Smt. S. Kirthana	Alumnus / Faculty member
Dr. K. Kishore	Faculty member
Dr. T. Ramamohan Rao	Faculty member
Mr. K. Srinivasa 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
Dr. P.V.S. Subhashini	Faculty member
Mr. K.I. Spurgeon	Faculty member
Mr. D. Govinda Rao	Faculty member
Mr. B. Naga Manohar	Faculty member
Dr. A. Srinivas	Faculty member
Dr. S.Venkataiah	Faculty member
Mr. P. Venkateswara Rao	Faculty member
Mr. M. Sudhakar	Faculty member
Mr. N.B. Samba Murthy	Faculty member
Mr. Md. Luqman	Faculty member

### Members not present:

Mr. B. Sandeep	Faculty Member
Mr. S. Venkateswarulu	Faculty member
Mr. T. Krishna Chaitanya	Faculty member

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Chairman welcomed the members and readout the agenda points for discussion.

### 1. **Finalisation of scheme of instruction and syllabus for V and VI semesters of BE Program under CBCS for academic year 2018-19.**

- 1.1 The scheme of instruction and syllabus for V and VI semesters are revised under CBCS scheme.
- 1.2 In V-semester Basics of 3D printing (1 credit), Introduction to Robotics, Basics of Entrepreneurship (2 credits) are introduced as Open Elective IV and V respectively for students of other branches.
- 1.3 In the VI-semester Basics of Mechatronics (1 credit), Optimization Methods for Engineers, Advances in Entrepreneurship (2 credits) are introduced as Open Elective VI and VII respectively for offering to students of other branches.
- 1.4 BOS opined that the open elective courses offered to other branches can as well be offered to students of Mechanical Engineering Department also. The matter will be taken-up to Academic Council for their decision.
- 1.5 A mini project is introduced in V-semester to enable the students to take-up investigative study in the field of Mechanical Engineering.
- 1.6 Dynamics lab and Metrology lab are combined as a single lab with title Dynamics and Metrology Lab in the VI-semester.
- 1.7 CAD Lab is introduced in VI-semester in lieu of CAD/CAM Lab to enable the students to have more practice in modelling and assembly. CAM Lab is included as separate laboratory course in VII-semester.
- 1.8 The title of the course Finite Element Techniques is modified as Finite Element Analysis in line with the course content. Similarly the title of the course CAD and Computer Graphics modified as Geometric Modeling.
- 1.9 Professional Elective-I is introduced in the VI-semester offering four courses, one each in the specialization of Design Engineering (Vibration Analysis and Noise Control), Manufacturing Engineering (Manufacture and Inspection of Gears), Thermal Engineering (Computational Fluid Dynamics) and Industrial Engineering (Production and Operations Management).
- 1.10 14 experiments are listed as against 12 originally indicated in Dynamics and Metrology Lab and CAD Lab. However the number of experiments to be conducted shall be 12 only. The Committee advised to ensure that all the laboratory courses will have the same number of experiments.

The scheme of instruction and examination with the above modifications / inclusions has been approved.

### 2. **Approval of scheme for III and IV semesters under CBCS for academic year 2018-19.**

- 2.1 The scheme of instruction for III and IV semesters under CBCS are revised incorporating 60 marks for SEE and 40 marks for CIE for the students admitted during 2017-18.
- 2.2 However the syllabus remains unchanged as was followed earlier for 70/30 scheme.

The scheme of instruction with the above modifications has been approved.

### 3. **Approval of revised syllabus for Finishing School - IV (Technical Skills) for VI semester students of BE Program for AY 2017-18.**

- 3.1 Revised syllabus is prepared for Finishing School-IV during the AY 2017-18 incorporating CATIA V5 (for 36 hrs.), Hyperworks (for 36 hrs.) and Python programming (for 12 hrs.).

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- 3.2 The Chairman BOS explained the changes in terms of syllabus, examination scheme and the necessity for modification to the members.

The scheme of instruction and syllabus with the above modifications for Technical Skills-IV has been approved.

4. Result analysis of odd semester students for AY 2017-18.

- 4.1 Chairman presented the result analysis of the odd semester students for the AY 2017-18 for information.

- 4.2 The Committee expressed its concern for the poor performance of I-semester students. It was suggested that subject wise failure analysis may be presented in the next meeting.

5. Remedial classes for both odd and even semesters during AY 2017-18.

- 5.1 Remedial classes are being conducted for courses where most of the students have backlogs in the previous two semesters.

- 5.2 The Committee suggested that those students who are required to attend the remedial classes must maintain a minimum percentage of attendance for appearing in the supplementary examination.



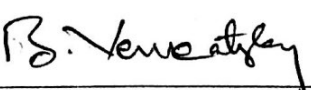


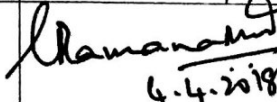
6. To approve the revised course outcomes prepared for all the courses (CBCS& Autonomous) incorporating the features of performance, condition and criteria.

- 6.1 Revised course outcomes are prepared by concerned faculty for all the courses based on performance, condition and criteria which are useful for course outcome attainment from AY 2016-17 onwards as per Tier-I format.

- 6.2 The Committee gave its concurrence for the modified course outcomes.

7. Chairman informed the Committee about the model curriculum issued by AICTE for students joining in the AY 2018-19. It is proposed to discuss the scheme of instruction and syllabus in a meeting to be held in the month of May 2018 exclusively for this purpose.

8. It has been resolved that the Chairman will be signing all the syllabus copies, discussed in the present meeting, indicating the approval of BOS.

Prof. Sriram Venkatesh OU Nominee		Dr. N.K. Singh Industry Expert	
Dr. B. Venkatesham Subject Expert-1		Dr. Jeevan Jaidi Subject Expert-2	
Mrs. S. Kirthana Alumnus	 4/4/19	Dr. G.V. Ramana Murty Chairman, BOS	 4.4.2018