



**VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY(A)::VISAKHAPATNAM**

(Approved by AICTE, New Dehi and Permanently Affiliated to JNTUK, Kakinada)

(Re-Accredited by NAAC with 'A' Grade (CGPA of 3.41/4.00))

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**DEPARTMENT OF MECHANICAL ENGINEERING  
(UG - Accredited by NBA)**

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Lr.No:VIIT/Mech/BOS meeting/2020/06,Dated:05.08.2020

Minutes of 4<sup>th</sup> Board of Studies meeting of Department of Mechanical Engineering, Vignan's Institute of Information Technology held on 05-08-2020.

Time: 9.30 a.m. onwards.

Venue: Ekalavya Hall, II Floor, Main Block, VIIT, Visakhapatnam

**External BOS Members Attended:**

Dr. B Bala Krishna,  
Professor in Mech Engg & Principal.  
UCE, JNUTUK, Kakinada

Dr. Chandramouli Padmanabhan  
Professor, Dept. of Mech Engg,  
IIT, Madras

Dr. V Rama Krishna,  
Scientist 'E', NSTL,  
DRDO, Visakhapatnam

**Internal BOS Members Attended (List Enclosed):**

**Agenda**

1. To approve the Programme Structure & Detailed Syllabus of IV B. Tech. VR17 and II B. Tech. VR19 regulations (for the admitted batches from 2017 and 2019).
2. To approve the syllabus of Engineering Mechanics, Engineering Drawing and Engineering Drawing Practice for I B. Tech(AI&DS). courses
3. To approve the Program Structure & Detailed Syllabus of M.Tech. VR19.
4. Any other related matter with the permission of the Chair.

### **Suggestions for VR19:**

1. As per VR19, to formulate 160 credit system. It is better to round off the credits for a particular whole academic year instead to 0.5 credits. Hence promotion policy of students will be simplified.
2. It was suggested that even tutorial to be counted for credits as per norms, but the decision is left to the management.
3. It was suggested to include an experiment on properties of fuels in Applied Thermodynamics Lab for better understanding.
4. As per the previous BOS meeting suggestions to the number of electives should be limited to four subjects.
5. Every department should ask for their requirement of open electives from other departments. It is better to prepare exclusive list of electives from each department and can be modified as and when required.
6. M.Tech: It was suggested to change Course name from Dissertation phase to Project phase

### **Suggestions for VR17:**

1. Vibrations and acoustics Lab is introduced in IV B.Tech which is prior suggestion considered from the previous BOS meeting in utilization of R&D laboratory by students.
2. An experiment was suggested for measuring damping coefficient and natural frequency to be included in Vibrations and Acoustics Laboratory.
3. Simple simulation problems to be implemented in commercial software packages such as ANSYS for Computational Fluid Dynamics course.
4. To incorporate activities related to application oriented in Computer Graphics

### **Resolutions:**

1. The Programme Structure for IV year B.Tech VR17 regulation (w.e.f. 2017 admitted batch) II Year B.Tech VR19 regulation (w.e.f. 2019 admitted batch) and M.Tech VR19 are approved after incorporating above suggestions and modification as attached.
2. Total credits of particular academic year are rounded off to the whole number for an academic year to simplify promotion policy of students.
3. An experiment is included for studying properties of Fuels in Applied thermodynamic lab as recommended.

4. Activities are modified rather than just presenting seminar to doing some application oriented things related to the course of Computer Graphics.
5. A simple simulation on fluid flow in 2D channel as an activity is included in the course of Computational Fluid Dynamics.
6. An experiment on measuring natural frequency and damping coefficient is included in Vibrations and Acoustics Lab.
7. Syllabi for open electives and Engineering Mechanics and Engineering Drawing Practice for I year B.Tech (Artificial Intelligence & Data science) can be adopted as approved by respective department BoS.
8. The syllabi for courses taught by Mechanical Department for B. Tech. Mechanical Engineering and courses offered by Mechanical Department for other branch students as open electives are approved as attached.
9. Course name for M.Tech VR19 is changed from Dissertation phase to Project phase.

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for V. Rama Krishna

*Ch-Sw*

(Ch. Siva Rama Krishna)  
HoD & Chairman-BoS