

DEPARTMENT OF MECHANICAL ENGINEERING

BOS MEETING HELD ON 5TH MAY, 2021

I. AGENDA

1. Approval of B. Tech Mechanical Engineering Regulations, Course Structure and Syllabus for NR20 and NR21 Regulations.
2. Approval of Basic Mechanical Engineering Syllabus of II Year Civil Engineering
3. Approval of Engineering Graphics Syllabus of I Year for All Engineering Branches
4. Approval of Engineering Mechanics Syllabus of I Year Civil and Mechanical Engineering
5. Approval of Engineering Workshop of I Year For All Engineering Branches
6. Any other point by the permission of Chair

II LIST OF MEMBERS ATTENDED

S. No.	Name of the Member	Designation	Responsibility
1	Dr. P Sekhar Babu	Principal, NRCM	Special Invitee
2	Dr. M Ashok Kumar	Professor & HoD, NRCM	Chairman
3	Dr. M T Naik	Professor, JNTUH	Member (JNTUH nominee)
4	Dr. G Venkata Subbaiah	Professor, MVSR Engineering College, Hyd.	Member (Subject expert)
5	Dr. G Raghu Babu	Professor, VNRVJIET, Hyd.	Member (Subject expert)
6	Mr. A Srinivas	Managing Director, Hara Corporation Private Ltd & Modulus Composites Private Ltd, Hyd.	Member (Industry)
7	Mr. M Madhu	Sr. Engineer-Technical Voltas Limited, Hyd.	Member (Alumni)
8	Mr. DVSS Satyanarayana	Assoc. Prof., NRCM	Member
9	Mr. D Sharan Kumar	Asst. Prof., NRCM	Member
10	Mr. S Venkatesh	Asst. Prof., NRCM	Member
11	Mrs. D Krishnaveni	Asst. Prof., NRCM	Member
12	Mr. R Sai Syam	Asst. Prof., NRCM	Member
13	Mr. P Satish Kumar	Asst. Prof., NRCM	Member

III MINUTES OF MEETING:

1. The meeting was held at the Department of Mechanical Engineering, NRCM, on 5th May, 2021 at 11.30 A.M, outside members joined in online mode.

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ESTD : 2007

2. The Chairman of BOS Committee has briefed about the rules and regulations stipulated by UGC and JNTUH, Hyderabad for Autonomous colleges after introducing all the members.
3. The Chairman of BOS presented the proposed Academic Regulations, Course Structure and Detailed syllabus to the board. The board approved the Academic Regulations, Course Structure for NR20, NR21 and suggested the following changes in the syllabus.
4. The following corrections are done as per the BOS member's recommendations:

I) In Thermodynamics Syllabus of II year I semester

i) It is proposed to make few changes in the Thermodynamics syllabus, the Committee after detailed deliberation resolved to delete the following topics:

(a) UNIT IV: Atmospheric air - Psychrometric Properties – Dry bulb Temperature, Wet Bulb Temperature, Dew point Temperature, Thermodynamic Wet Bulb Temperature, Specific Humidity, Relative Humidity, saturated Air, Vapour pressure, Degree of saturation – Adiabatic Saturation, Carrier's Equation – Psychrometric chart.

(b) Unit-V: Refrigeration Cycles: Brayton and Rankine cycles – Performance Evaluation – combined cycles, Bell-Coleman cycle, Vapourcompression cycle-performance Evaluation

II) In Renewable Energy Sources Syllabus of IV Year II semester (Open Elective)

i) Dr MT Naik Professor JNTUH suggested few changes in the subject. The Committee after detailed deliberation resolved to delete the following topics:

(a) Unit-III: Wind mill component design, economics and demand side management, energy wheeling, and energy banking concepts.

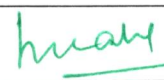
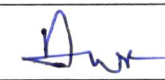
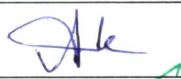
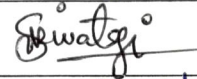
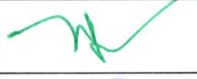
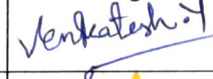


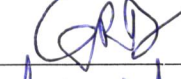

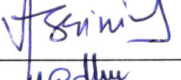

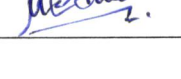
(ii) Unit-V: The Committee resolved to include the following topic:

(a) Types of Geothermal resources

iii) The Committee also resolved to include the following book title in References:

(a) Non-Conventional Energy Resources by B H Khan

5. The meeting was concluded by Vote of thanks given by the Chairman of BOS Committee.

S. No.	Name of the Member	Signature	S. No.	Name of the Member	Signature
1	Dr. P Sekhar Babu		8	Mr. DVSS Satyanarayana	
2	Dr. M Ashok Kumar		9	Mr. D Sharan Kumar	
3	Dr. M T Naik		10	Mr. S Venkatesh	
4	Dr. G Venkata Subbaiah		11	Mrs. D Krishnaveni	
5	Dr. G Raghu Babu		12	Mr. R Sai Syam	
6	Mr. A Srinivas		13	Mr. P Satish Kumar	
7	Mr. M Madhu				

Copy to: Principal