Annamacharya Institute of Technology & Sciences

(AUTONOMOUS)

New Boyanapalli, Rajampet – 516126

DEPARTMENT OF MECHANICAL ENGINEERING

Minutes of 12th BOS Meeting held on 21.01.2021

- The 12th Board of Studies was held in the department of mechanical engineering on 21.01.2021 at 11:30 AM.
- Agenda for individual meeting of Board of studies.
  1. To approve 4 year B. Tech course structure for R20 Regulations
  2. Detailed syllabi approval for I B. Tech (I & II Semesters) and PG R20 regulations
  3. Any other item with the permission of the chair

- **Members Attended:**
  1. **Chair Person:** Dr. A. Hemantha Kumar, Professor& Head, Dept. of Mechanical Engineering, AITS, Rajampet
  2. **University Nominee:** Dr. Samuel, Professor, Dept of Mechanical Engineering, IIT Madras
  3. **Academic Experts:** Dr. G. Satheesh Kumar, Professor, Dept. of Mechanical Engineering, SSN College of Engineering.
  4. **Alumni Representative:** K.Bhargav Ram, Hyundai Motors Ltd, Hyderabad
  5. **Internal Members:**
     i.   Dr. D. Krishna Mohan Raju, Professor, Dept. of Mechanical Engineering, AITS, Rajampet.
     ii. G. Suresh Babu, Assistant Professor, Dept. of Mechanical Engineering, AITS, Rajampet.
     iii. C. Ramanjaneyulu, Assistant Professor, Dept. of Mechanical Engineering, AITS, Rajampet.

As per Agenda the following discussions happened:

1. R20 course structure of ME branch is clearly displayed and explained about incorporating 'Skill Courses' newly for 10 credits as per APSCHE recommendation.
2. Semester wise the detailed distribution of ESC, PEC and OEC courses are explained.
3. Received recommendations for ME – R20 regulations as below:
   i.   Engineering Graphics – I & II in two semesters by conventional method is good, for having knowledge to core ME students in the view of core ME jobs.
   ii. Auto CAD in skilled oriented course should have only 2D - drafting and 3D – sketching, where as in semester IV, CAD Machine Drawing Lab should have 3D modelling software's like CATIA, Pro-E and Solid works for analysis purpose.
   iii. CAD Machine drawing Lab in Semester IV should be of both modelling and drafting.
   iv. Recommended advanced content like 'Machine Learning using Python' as a overview course, instead of 'Data Structures using Python', where data structures can be part of this 'Machine Learning.'

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  v. In semester VI, there is CAD/CAM subject and same lab with analysis part with software's like CATIA, Pro-E & ANSYS can be approved.

  vi. In semester I there is 'Communicative English' subject and Lab, same way, in semester V there is 'Professional Communication' – what sort of differences can be had, need clarification with syllabus.

  vii. Approved to MOOCs as one OEC and MOOCs/Interdisciplinary Subject in another OEC but strictly another OEC should be interdisciplinary even it may be MOOC course.

  viii. CAD labs are 3 in whole course structure, instead recommended to restrict for 2 CAD labs one with drafting, modelling and another with assembly and analysis.

  ix. When we remove one CAD as 'Skill Course' then we can utilize the institute 'Siemens Skill Center' as lab in to skill course.

  x. Approved of newly introduced subject 'Engineering Materials' which is evolved from old 'Material Science Engineering' with new topics and content.

Minutes of Meeting:

- As per the recommendations done by the BOS, it is resolved that, ME R-20 course structure for 4 years is approved.

- It is resolved that as per APSCHE the new 'Skill Courses' can be introduced in to R-20 course structure for 10 credits.

- In I Semester, Engineering Graphics – I syllabus and in II Semester, Engineering Graphics – II, Engineering Mechanics syllabi are approved.

- It is resolved and approved to incorporate the 'Engineering Materials' as new course in II semester with suggested modifications in syllabus.

HOD

Head of the Department
Mechanical Engineering
Annamacharya Institute of Technology & Sciences.
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Encl:

1. Attendance of BOS Meeting
2. Google drive links of meeting videos
   - https://drive.google.com/file/d/1PHezMfAqcn36M7fPLK7PC2lVn2oXAcMP/view?usp=sharing