

Annamacharya Institute of Technology & Sciences

(AUTONOMOUS)

New Boyanapalli, Rajampet – 516126

DEPARTMENT OF MECHANICAL ENGINEERING

Minutes of 14th BOS Meeting held on 16/05/2022

- The 14th Board of Studies was held in the department of mechanical engineering through online 'Microsoft teams' on 16.05.2022 at 11:30 AM.
- Agenda for individual meeting of Board of studies.
 1. To review the B.Tech. Programme R20 first year syllabus/course contents.
 2. To review the structure of 160 credits scheme (R20) with reference to core courses, professional electives (PECs), open electives courses (OECs) and skill bases/skill oriented/soft skills courses.
 3. To consider the revision in the courses and course scheme of Minor Programme.
 4. To consider the revision in the courses and course scheme of Honors Programme.
 5. To consider and approve the panel of examiners for external examination for the session 2022-23.
 6. Any other item with the permission of the chair.
- **Members Attended:**
 - **Chair Person:** Dr. A. Hemantha Kumar, Professor & Head, Dept. of Mechanical Engineering, AITS, Rajampet.
 - **Academic Experts:** Dr. G. Jaya Chandra Reddy, Professor & Head, Mechanical Engineering Dept., Y.S.R Engineering College of Yogi Vemana University, Proddatur.
 - **Academic Experts:** Dr. N. Venkaiah, Assoc. Professor of Mechanical Engineering, Dean of Students Affairs, Indian Institute of Technology Tirupati, Tirupati.
 - **University Nominee:** Dr. M. Ravi Sankar, Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology Tirupati, Tirupati.
 - **Industry Expert:** Mr. P. Balasankar, Automotive Engineer, Chennai.
 - **Internal Members:**
 - i. Dr. P. V. Sanjeev Kumar, Associate Professor, Dept. of Mechanical Engineering, AITS, Rajampet.
 - ii. Dr. B. Venkatesh, Associate Professor, Dept. of Mechanical Engineering, AITS, Rajampet.
 - iii. Mr. G. Suresh Babu, Assistant Professor, Dept. of Mechanical Engineering, AITS, Rajampet.

As per Agenda the following discussions happened:

1. R20_ME_first year course Structure and syllabus displayed and explained.
2. Review on 160 credits allotted all over the course and allotment of credits to Professional Core Course (PCC) – 51 credits, Professional Elective Courses (PEC) – 15 credits, Open Elective Courses – 12 credits and Skill Oriented Courses (SC) – 10 credits.
3. HOD - chairman proposed an amendment for syllabus change in 'Semester IV (Second year)' – "Theory of Machines" (PCC - 20A341T) subject and displayed for discussion with two different proposals because this syllabus was prepared in combining 'Kinematic of

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- Machinery' and 'Dynamics of Machinery' subjects became very vast and required suggestions for removing few unimportant topics for the benefit of students.
4. R20_ME Regulations offers B.Tech. Minor Degree from ME branch to other branch students and in this regard displayed the subjects list and syllabus which are going to offer by the ME dept are displayed and discussed for suggestions.
 - a. Suggestions received from external members to keep basic subjects of ME branch such that other branch student get overlook on ME.
 - b. Suggestion by external members that other branches minor subjects offered should be discussed among all branches HODs and should be finalized in benefit of student for gaining knowledge.
 5. R20_ME Regulations offers B.Tech. Honors Degree for ME branch students, displayed 4 different pools with different mechanical streams and proposed to suggest any new subjects or advanced subjects can be offered to ME students.
 - a. Suggestions received from external members that selection of subject from each pool has to be done for each semester not all the subjects from single pool or stream.
 - b. Suggested to make sure that pre-requisite criterion should be satisfied before a student selects an honor subject.

Minutes of Meeting / Action Taken:

1. Approved proposed amendment for syllabus change in 'Semester IV (Second year)' – "Theory of Machines" (PCC - 20A341T) subject and taken action to incorporate the new syllabus in curriculum.
2. Approved proposed four minor subjects and recommended to add subjects 'Basic Thermodynamics & Basic Mechanical Engineering'. Action taken by adding the two new suggested subjects and syllabus in to list of 6 subjects for minor degree in ME.
3. Information is passed to the principal about discussing and sharing of minor subjects among all the branches and finalizing the list, for the benefit of student knowledge as suggested by external BOS members.
4. Approved proposed subjects for honors degree with four pools and one subject from each pool has to be selected in each semester by student. Action taken by changing a few pre-requisites of the honor subjects and the same is incorporated in the curriculum with syllabus.


HOD

Encl:

1. Attendance of BOS Meeting
2. Google drive links of meeting videos
 - <https://drive.google.com/file/d/1VAKAc6FRELnknNr9zSTIAgg8lonB7jM/view?usp=sharing>
3. Approved list of Minor and Honors Subjects of ME Dept.
4. Approved new syllabus of 'Theory of Machines'.