

Annamacharya Institute of Technology & Sciences

(AUTONOMOUS)

New Boyanapalli, Rajampet – 516126

DEPARTMENT OF MECHANICAL ENGINEERING

Minutes of 10th BOS Meeting held on 07/07/2019

- The 10th Board of Studies was held in the department of mechanical engineering on 07/07/2019 at 11:30 PM.
- Agenda for individual meeting of Board of studies.
 1. To prepare syllabi for I & II B.Tech and PG Courses (R19 Regulations).
 2. To suggest panel of examiners list to the academic council for approval.
 3. Any other item with permission of chair.
- **Members Attended:**
 1. **Chair Person:** Dr.A.Hemantha kumar, Professor& Head, Dept. of Mechanical Engineering, AITS, Rajampet
 2. **University Nominee:** Dr. A. Ramakrishna Rao, Director, Sri Padmavathi college of Engineering, Tirupati.
 3. **Academic Experts:** Dr. G.Satheesh Kumar, Professor, Dept. of Mechanical Engineering, SSN College of Engineering.
 4. **Alumni Representative:** K.Bhargav Ram, Hyndai 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. To prepare syllabi for I & II B.Tech and PG Courses for R19 Regulations, brief discussions were happened on course structure and each subject syllabus.
2. Received recommendations for ME – R19 regulations as below:
 - i. Mandatory course in I Semester - Constitution of India recommended to be replaced with Essence of Indian Traditional Knowledge in IV Semester.
 - ii. Python course can be an elective instead of regular subject.
 - iii. C & Data structure can be included in python as one or two units instead of separate course in the II semester.
 - iv. To reach the level of conducting experiments in Physics & C Chemistry laboratories as per APSCHE, alternative source is to be identified for those labs at PG colleges in around for demonstration.
 - v. Suggested to have a better name for 'English for competitive exams' in V Semester.
 - vi. 'Numerical Methods, Probability and Statistics' subject in IV Semester syllabus has to be considered for rearrangement with more content of Probability and statistics.

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- vii. Engineering Mechanics subject recommended including with simple case studies for better understanding of students without disturbing syllabus.
 - viii. Applied Thermodynamics-II course in V Semester can be removed and its content can be brought into one unit and include in any thermal related courses.
 - ix. Recommended to include 'hyper mesh software lab' in any semester if possible.
 - x. Recommended to introduce dynamic analysis software ADAM for M.Tech-Machine Design.
3. Discussed on Panel of Examiners list to the academic council for approval.

Minutes of Meeting:

- As per the recommendations done by the BOS, it is resolved that, ME ~~R19~~ R19 course structure I & II Year with syllabus is approved.
- PG Course - M.Tech Machine Design, course structure and syllabi is approved.
- Suggestions which are given for ME - R19, III and IV Year course structure and subjects are taken into consideration and will review to include in course structure for further submission to BOS.
- Panel of Examiners list to the academic council for approval.



HOD

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

1. Attendance of BOS Meeting
2. Pictures of meeting conducted in dept.

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Minutes of 11th BOS Meeting held on 05/10/2020

- The 11th Board of Studies was held in the department of mechanical engineering on 05/10/2020 at 11:30 AM.
- Agenda for individual meeting of Board of studies.
 1. To prepare syllabi for III & IV B.Tech (R19 Regulations).
 2. Any other item with permission of 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. **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. To prepare syllabi for III & IV B. Tech for R19 Regulations, brief discussions were happened on course structure and each subject syllabus.
2. Received recommendations for ME – R19 regulations as below:
 - i. As per AICTE recommendation should have to include 'Human Values' course in B. Tech course so asked for approval to include 'Human Values' course at III-I or III-II.
 - ii. Recommended to Maintain the same number of credits recommended by AICTE for maximum categories and then if needed increase with core subject credits.
 - iii. In course structure no where there is information about course name like 'B. Tech in Mechanical Engineering' try to input it.
 - iv. Recommended to change the title of the subject 'Rapid Prototyping' as it is old title can include new update suitable titles by searching which are opt to the content
 - v. III Year: Machine tools syllabus framing is good but 'Merchant Circle Diagram' more used in industry should be included.
 - vi. Better to include some more experiments in 'Theory of Machines lab, Metrology Lab and Machine tools Lab' as per standards

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- vii. In 'Heat Transfer' some of the concept are missing (Natural and force convection, boiling and condensations concepts)
 - viii. By the end of IV year student will get good exposure to all the subjects and are eligible to join in any industry as they are studying more job oriented subjects.
 - ix. Automation and Robotics: Suggest adding one practical session to understand better and helps students to think creatively helps in Project phase.
 - x. Entrepreneur development: Unit 5: Include Make in India & Made in India policies to understand better ways to become entrepreneur.
 - xi. Total Quality Management: Unit 4: Include DFMEA & PFMEA concepts and their applications in industries
3. Projected the III Year and IV Year subject's syllabus with differences, which are recommended by college faculty and other BOS members of previous meeting between R17 and R19 regulations and got good appreciation for showing a change of 12 to 15 percent for previous subjects and adding 12 new core courses to R19 regulations.


Minutes of Meeting:

- As per the recommendations done by the BOS, it is resolved that, ME R – 19 course structure III & IV Year with syllabus is approved.
- It is resolved that as per AICTE recommendation to include 'Human Values' course in UG B.Tech course.
- Approved to increase from 160 credits to 162 credits as human values is added.
- Suggestions received from BoS members are considered and reviewed with internal BoS members and course coordinators for further implementation in to the courses.

Encl:

1. Attendance of BOS Meeting
2. Google drive links of meeting videos

- https://drive.google.com/file/d/171FU5hqF5ha5Qbzy_Pa8qj_qZbXHjQeb/view?usp=sharing
- https://drive.google.com/file/d/1W_I2obQ8MPnk_YvAjVUy709ZSax370is/view?usp=sharing


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