



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC-AUTONOMOUS)

Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi  
Recognised Research Center, Accredited by NAAC, NBA for CSE, ECE, EEE, ME & MBA  
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Recognised as Scientific & Industrial Research Organization by DSIR of DST



**Department of Mechanical Engineering**

**Program Assessment Committee - Minutes of Meeting**

Date: 08/08/2020 and 09/08/2020

The meeting was conducted through online mode, with the main aim of addressing and reviewing the assessment method for attainment of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs).

**Agenda:**

1. Computation of previous results and analysis of Course Outcomes (COs), Program Outcomes (POs), and Program Specific Outcomes (PSOs) for the academic year 2019-20.
2. Discussion on assessment methods to achieve attainment level in R-18 Regulation for UG syllabus.
3. Discussion on Department Vision and Mission.
4. Any other matter with the permission of the Chair.

**Participants:**

1. Dr. T. N. Sreenivasa
2. Dr. G. Harinath Gowd
3. Dr. P. Suryanarayana Raju
4. Dr. Prasanna Kumar Duvvi
5. Dr. Senthil Kumar J S
6. Dr. S. Thamizhmanii
7. Dr. Uday Krishna Ravella
8. Dr. S. Baskaran
9. Dr. G. Mallikarjunachari
10. Dr. Nagesha K. V.
11. Dr. Shankernath V.

**Minutes:**

1. Agenda for the BOS meeting to be conducted on August 16<sup>th</sup> 2020 is presented by Dr. P. Suryanarayana Raju
2. Minor modifications regarding the schedule, amount of time that needs to be allotted for each agenda topic and inclusion of the IAAB recommendations were suggested by Dr. Uday Krishna Ravella, Dr. S. Baskaran and Dr. Prasanna Kumar Duvvi. The suggestions were incorporated in the agenda.
3. A new pattern of evaluation was suggested by the PAC for a few courses like Engineering Analysis, Machine Learning for Mechanical Engineers, Thermal Engineering and CAD/CAM. The pattern

suggested was 2-0-2 for L-T-P. Dr. G. Harinath Gowd was assigned the responsibility of finalizing the evaluation pattern for these subjects.

4. Project based learning, Self-study and open book policy during exams was suggested by Dr. T. N. Sreenivasa. It was proposed to be placed before the BOS for their approval. Framing of evaluation pattern and regulation was assigned to Dr. G. Harinath Gowd.
5. With regards to the 2-0-2 type courses, Dr. Uday Krishna Ravella suggested that students submit project as part of the completion of the course. The inclusion of the project would enhance the self-study ability of the student and also the team skills of the student. He suggested that at least 20 to 40 marks be allotted for project submitted by the students. Dr. G. Harinath Gowd was assigned the task of reviewing the UGC and IIT regulations regarding the implementation of self-study and project submission as part of the completion of course.
6. Dr. Uday Krishna Ravella suggested that students taking the CAD/CAM course has to learn more on CNC coding and implementing it practically. Project based implementation is suggested for this course as well. Dr. G. Harinath Gowd suggested that the regulation 6.7 clause be implemented so that we can incorporate these suggestions.
7. Dr. Prasanna Duvvi and Dr. Uday Krishna Ravella suggested that it's high time we create new laboratories. It was suggested that Electrical Vehicles laboratory and Robotics laboratory be introduced.
8. Dr. P. Suryanarayana Raju suggested that at least three course be offered as basic core courses as part of the minor program.

## Day 1 (08/08/2020)

1. Curriculum
  - a. Add computational tools in courses
  - b. We start with DEs first and include the practical tool in exams as well.
2. Teaching and Learning
  - a. Encourage textbook reading
  - b. Inhouse publishing of textbooks/reference materials
  - c. No question banks!
3. Evaluation
  - a. Strict correction?
4. Co and Extra Curricular
  - a. GRE/IELTS teaching by Department faculty
  - b. Industrial visits
  - c. GATE Training
  - d. Industry Labs
5. Mentoring
  - a. Students from different years
  - b. Teachers should motivate the students
  - c. Mentor should not change often
  - d. Dining with mentees (Going to Horseley hills every Saturday!?)
  - e. Stay in touch with parents
6. Infrastructure
  - a. Reading room
  - b. Counselling room
  - c. AV room
  - d. Comedy club
7. Policies and Procedure
  - a. Mandatory English communication in Department
  - b. Get feedback from students regularly
  - c. For all department level services to the student should be routed through mentors
  - d. Mentor to sign on OE and DE selections of the students
  - e. 75 % attendance should be mandated at course level

## Day 2 (09/08/2020)

1. FDPs, workshops, seminars and industry visits are not conducted in AY 2019-20
  - a. Identify coordinators for each of the key activities.
  - b. Two coordinators per each activity will improve the continuity the first coordinator will be the owner and the second one plays a supporting role (associate coordinator).
  - c. The concerned coordinators should review and monitor the progress at regular intervals.
  - d. IQAC has to provide regular inputs.
2. Effectiveness of the GATE classes, Dassault Systemes and Siemens Labs
  - a. Should start from the second year.
  - b. Start a GATE club, raise money and procure books, online tests and other material for shared usage
  - c. Conduct a separate review on Industry labs to chalk out plans.

3. Parents teachers meeting to be conducted on the first day of classes.
  - a. Get the interests of the students in presence of their parents.
  - b. This could be done over the phone.
4. Mentoring
  - a. Interaction day between employed graduates, students and mentors.
  - b. Divide the mentoring responsibility among faculty and senior students.
5. Student community activities
  - a. Student association has to become active for communicating the ideas and issues
  - b. Activities like movies, music and dance on campus for the students
  - c. Club activities should enhanced.