



PRAGATI ENGINEERING COLLEGE

(Autonomous)

ADB Road, Surampalem, E G Dt. A P - 533 437

(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, Accredited by NAAC with 'A' Grade)

(Recognized by UGC Under Sections 2(f) and 12 (B) of UGC act. 1956)

Ph. 08852 - 252233, 34. Website: www.pragati.ac.in

DEPARTMENT OF MECHANICAL ENGINEERING

Date: 29-07-2019

CIRCULAR

All the members of Board of Studies (BoS) are here by informed that there will be a meeting on 3rd and 4th August 2019 for discussing the following agenda.

Agenda:

1. Discussion on proposed course structure of R19 regulations of B.Tech & M.Tech and ratification of the same.
2. Discussion on proposed B.Tech First Year and Second Year courses syllabi & M.Tech courses syllabi and ratification of the same.
3. Discussion on ratification of new courses introduced in R19 Regulation.
4. Discussion on ratification of course objectives, course outcomes and CO-PO mapping.
5. Ratification of the proposed model papers for internal and external examination of both theory and laboratory courses.
6. Finalization of text books and reference books.
7. Discussion on ATR as per suggestions given by stake holder
8. Any other item.



Copy to:

1. All members of BoS.
2. Department circular file.



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DEPARTMENT OF MECHANICAL ENGINEERING

Date: 03-08-2019

Minutes of meeting of B.Tech & M.Tech Board of Studies (BoS) of Mechanical Engineering conducted on 3rd and 4th August 2019 for approval/ratification of R19 regulation.

Members Present:

BOS-CHAIRMAN

Dr. B.S.V. Rama Rao

Professor and Hod

Mechanical Engineering Department

Pragati Engineering College

UNIVERSITY NOMINEE

Dr. A. Swarna Kumari

Professor

University College Of Engineering, JNTUK

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EXTERNAL-EXPERT

Dr. Ch. Srinivasa Rao

Professor

Department Of Mechanical Engineering

University College of Engineering

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Dr. E. Anil Kumar

Professor

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INTERNAL MEMBERS

- Dr. S. Sambhu Prasad - Faculty Member
- Dr. G. Satish - Faculty Member
- Mr. P. Sukumar - Faculty Member
- Mr. G. Avinash - Faculty Member
- Mrs. Ch. Vasantha Lakshmi - Faculty Member
- Mr. D.J. Johnson - Faculty Member
- Mr. A.V. Ramana Rao - Faculty Member

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Proceedings:

- The meeting began at 10.00AM in the R&D Laboratory. The Chairman of the Board Dr. B.S.V. Rama Rao welcomed all the members for the meeting.
- The Chairman explained the Vision, Mission of the College and the Department and the agenda for discussion and requested the members to give their valuable inputs.
- The external experts suggested to add new courses in the curriculum by following the AICTE guidelines.
- With respect to point 1 of agenda, the following changes were suggested in B.Tech course structure:
 - The course Design of Machine Members was suggested to divide in to two courses i.e., Design of Machine Members I and Design of Machine Members II.
 - The title for course, Engineering Graphics and Drafting was changed to Engineering Drawing, common to all the branches.
 - The courses in professional electives are arranged according to the specialization such as Thermal Engineering, Machine Design, CAD/CAM and Industrial Engineering.
 - The course Refrigeration & Air Conditioning in Professional Elective-I is shifted to Professional Elective-III.
- With respect to point 1 of agenda, the following changes were suggested in M.Tech course structure:
 - The course Nano Technology in Elective-I is replaced with Concurrent Engineering.
 - The course Modeling and Simulation of Manufacturing Systems is replaced with Product Design and Development.
 - The course Concurrent Engineering in Elective-III is replaced with Flexible Manufacturing Systems.
 - The course Materials Technology in Elective-IV is replaced with Rapid Prototyping.
 - The Laboratory, Modeling and Analysis of Manufacturing Processes, is replaced with Advanced CAM Lab.

- With respect to point 2 of agenda, the following changes were suggested in B.Tech syllabi:
 - The topics of Scales and Introduction to AutoCAD were added in Engineering Drawing.
 - The topics of Stress-Strain diagram for brittle and ductile materials, Principal planes and principal stresses (both analytical and graphical methods) to be added in Mechanics of Solids.
 - The topic, Compounding of steam turbines was added in Applied Thermodynamics.
- With respect to point 3 in agenda, discussion are done and total 09 No of new courses were finalized.
- With respect to point 4 in agenda, discussions are done and suggestions were made.
- The external experts suggested identifying courses that would enhance the employability skills and also suggested to add few value added courses for the students.
- The external experts are suggested to prepare rubrics for all the Theory, Laboratory, Mini project/Term Paper, Seminar and Project for assessment of the same.

Resolutions:

The following resolutions have been made in the meeting

- The changes suggested were thoroughly discussed and the course structure of R19 regulations of B.Tech & M.Tech is finalized and approved.
- The syllabus for B.Tech & M.Tech course was thoroughly discussed, finalized and approved. BOS Chairman is authorized to endorse the syllabus.
- The members ratified course objectives, course outcome and CO-PO mapping for all the courses in the course structure.
- The members ratified 09 new courses for B.Tech R19 regulation.
- The members ratified 03 new courses for M.Tech R19 regulation.
- The proposed model papers for internal and external examination of both theory and laboratory courses were discussed and ratified.
- It is resolved to have only two text books and up to five reference books for all the courses.
- Based on the ATR the suggestions given by the stake holders are included
- The members decided to convey the same to Academic Council members for approval.

The meeting came to an end with vote of thanks.

