

CHAITANY BHARATHI INSTITUTE OF TECHNOLOGY (A)
DEPARTMENT OF MECHANICAL ENGINEERING

Minutes of the Meeting - Board of Studies

Date: 30.03.2019

Minutes of the Board of Studies Meeting was held on 30.03.2019 at 10.30 a.m. to 1.30 Noon in Conference Hall:

Members Present:

1. Prof. P. Ravinder Reddy, Principal & Professor, MED
2. Prof. G. Chandra Mohan Reddy, Professor
3. Prof. P.V.R. Ravindra Reddy, Professor
4. Dr. N.V. Srinivasulu, Professor
5. Prof. P. Prabhakar Reddy, Professor
6. Prof. G. Laxmaiah, Professor
7. Dr. T. Ratna Reddy, Associate Professor
8. Dr. K. Kishor, Assoc. Professor., Course Coordinator, M.E. (Thermal Engg.)
9. Dr. R.P. Chowdary, Associate, Professor
10. Dr. V.V.R. Seshagiri Rao, Asst. Controller of Examinations
11. Dr. P. Rama Lakshmi, Asst. Professor., Course Coordinator, M.E. (CAD/CAM)
12. Prof. P. Laxminarayana, Dean Academic Affairs, OUCE
13. Dr. S. Venkatesh, Professor
14. Dr. N. Venkat Reddy, Professor, IITH
15. Dr. K. Ramesh Kumar, Sc.G, BRAHMOS, DRDL, Hyderabad
16. Dr. C. Satyanarayana Raju, Sc.G, DRDL, Hyderabad
17. Dr. K. Eswara Prasad, Professor (Retd.)

Members leave of absence:

1. Dr. M.V.S. Murali Krishna, Prof., & Head

The Minutes recorded as follows:

A. For AICTE Model curriculum of B.E. 3rd semester to 8th semester of Mechanical Engineering and Production Engineering.

The Syllabi of B.E. 3rd semester to 8th semester Mechanical and Production Engineering under AICTE model curriculum, Syllabi of B.E. 7th and 8th semester of Mechanical and Production Engineering under CBCS scheme and Syllabi M.E. CAD/CAM and Thermal Engineering under AICTE model curriculum were discussed.

1. It is decided that engineering graphics for I semester (ECE,CSE,IT) and II semester (Mech, Prod, Civil, EEE, Biotechnology, Chemical), which was treated as a theory subject earlier is converted to practical due the difficulty in conduction of examination. The credits and marks are kept same as earlier.
2. The committee felt that "Biomechanics", may be introduced in core elective V in the place of Energy Conservation Management and Audit for B.E. Mechanical and Production, VI Semester.

3. Manufacturing processes for B.E. Mechanical, IV Semester should include processing of polymers, composites, ceramics and powder metallurgy. Some advanced topics in casting, welding and forming may be removed from the syllabus to make it feasible to teach the same in the stipulated time. "Introduction to Manufacturing Processes" authored by G.K.Lal and S.K. Chaudary may be included in suggested reading.
4. For the course "CAD/CAM" offered in VI semester for B.E. Mechanical and Production, "Mathematical elements for computer graphics" by Rogers and Adams and "Computer aided manufacturing" by TC Chang, Automation, may added in suggested reading. In the syllabus "DNC" maybe replaced with "dnc". Production systems and CIM by Mikell P Groover may be added in the place of CAD/CAM by Groover.
5. Same format for the text books and suggested reading should be followed for the all the courses.
6. In the Mechanics of Materials lab for B.E. Mechanical and Production III semester, load cells and strain gauges are to be included.
7. The course, Digital Manufacturing for B.E. Mechanical VI semester in core elective V, contains mostly the topics of additive manufacturing. The scope of the syllabus should be extended to digital manufacturing.
8. In the course of Material science and metallurgy for B.E. Mechanical and Production III semester, Plastics and Ceramics may be included.

B. For AICTE Model Curriculum of M.E. CAD/CAM and Thermal Engineering

1. In the course of "Design for Manufacturing and assembly" for ME, CAD/CAM, I semester, Programme elective II, book by K.G. Swift is to be included in suggested reading.
2. For thermal engineering, CFD should be made as core in place of FEM and FEM should be elective in place of CFD in II semester.
3. For ME CAD/CAM I semester, In the course, Computer Aided Modelling and Design, the title of the unit 2 may be changed from "wire frame modelling" to "Modelling of curves".
4. For ME CAD/CAM II semester programme elective II, for the subject automation, books authored by Nanua singh and Kant Vajpayee may be added in suggested reading.
5. In ME CAD/CAM II semester, the title of the course "Computer Aided Mechanical Design and Analysis" may be changed to "Mechanical Design and Analysis".

C. For CBCS curriculum 7th and 8th of Mechanical and Production Engineering.

1. A few spelling mistakes were found. They should be corrected.
2. Same format for the text books and suggested reading should be followed for all the courses.

3. Force estimation is to be included in Tool Engineering syllabus of B.E. Production Engineering VII semester.
4. Numerical problems may be included in the topic industrial robots in unit IV of the course CAD/CAM in VI semester of B.E. Mechanical and Production.

The title of the course "Pollution Research", under programme elective V in VII semester of BE Mechanical Engineering may be changed.

1. Copy to the Principal
2. File
3. Dean, CDAAC



(Dr.M.V.S. Murali Krishna)

Professor & Head MED

PROFESSOR & HEAD

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