CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
MECHANICAL ENGINEERING DEPARTMENT

Minutes of BOS Meeting held on 26-04-2025

The Department of Mechanical Engineering conducted its 13th BOS meeting on 26-04-2025 at 10 AM in online mode through Webex platform.

The following members were present

1. Dr John Rozario Jegaraj, DRDL, Kanchanbagh, Hyderabad
2. Dr. P. Chandrasekhar- Tecniq Design Group, Hyderabad
3. Dr. C. Satyanarayana Raju, DRDL, Hyderabad
4. Dr. Y. Ravi Kumar, NIT, Warangal
5. Dr. R.P. Chowdary   -   MED, C.B.I.T
6. Dr. P. Ravinder Reddy-   MED, C.B.I.T
7. Dr. P.V.R. Ravindra Reddy-   MED, C.B.I.T
8. Dr. P. Prabhakar Reddy------   MED, C.B.I.T
9. Dr.N.V. Srinivasulu-----------   MED, C.B.I.T
10. Dr. G. Laxmaiah----------------   MED, C.B.I.T
11. Dr. K. Kishor, ------------------   MED, C.B.I.T
12. Dr. B.V.S. Rao------------------   MED, C.B.I.T

Meeting Agenda:

1. Review of R-22A Curriculum from III Semester to VIII Semester and modifications, if any, based on stakeholders' feedback.
2. Introduction of the Digital Evaluation system.
3. Approval of the Panel of Question Paper Setters, Evaluators, and External Examiners for AY 2025-2026.
4. Updates on Research, Teaching, Extension, and other academic activities.
5. Approval and suggestions on MOOCs for credit transfer.

    Chairperson welcomed all the members to the BOS meeting to discuss as per the agenda items and the minutes of the meeting are as mentioned below.

Agenda Item No-1

(Review of R-22A Curriculum from III Semester to VIII Semester and modifications, if any, based on stakeholders' feedback)

Dr. P. Chandrasekhar has given the following suggestions on R-22 A Curriculum.

1. In the course Mechatronics and Automation, instead of Micro Processors, more emphasis should be given for Micro Controllers and if any laboratory session is introduced for this course, adding the experiments that requires usage of Sensors will be useful for students.

2. The Practical Course of "Robotics and Drones Lab" can be shifted to III sem or IV Sem instead of First and Second Sem

3. Electrical Vehicle Technology topics can be introduced in Automobile engineering.

4. In the subject CAD/CAM the topic Introduction to Slicing is found to be repetition. The topic of IOT can be introduced in CAD/CAM as machines are running with IOT, in place of additive manufacturing in Unit-5

5. In the subject "Refrigeration and Air-conditioning" also IOT related topics should be introduced.

6. In the subject "Artificial Intelligence and Machine Learning" the topic of Augmented Reality can be included.

7. In the Subject of "Automobile Engineering" in Unit-5 the topic Pollution Control can be shifted to some other unit and only Alternative Power Trains should be expanded and made into one unit.

8. In the subject "Digital Manufacturing and Industry 4.0", adding the topic of Cloud Computing may be beneficial

9. In the subject "Digital Manufacturing and Industry 4.0" give the examples for Augmented Reality and Virtual Reality.

10. In the subject Universal Human Values, the Topic of "Human Values in Industry can be incorporated

11. While discussing about the contents of "Principles of Internet of Things" as at present all bore wells are going to be metered by using Ultrasonic and Magnetic

Flow metres which in turn are going to be integrated to cloud. Hence in this connection, Mechanical Engineers are going to play a major role.

12. Regarding Regulations he felt that R-26 Revision can be planned as rapid technological changes are taking place.

Agenda Item No-2

(Introduction of the Digital Evaluation system.)

In this category, the BOS members have been appraised about the recently introduced "Digital Evaluation System" by CBIT. They were informed about the 50% of papers evaluation being carried out by internal and the remaining 50% by external evaluators.

Agenda Item No-3

(Approval of the Panel of Question Paper Setters, Evaluators, and External Examiners for AY 2025-2026)

The committee has been appraised about the process of SEE Question Papers setting, Moderation and Panels for Evaluation for all semesters and the same has been approved unanimously.

Agenda Item No-4

(Updates on Research, Teaching, Extension, and other academic activities)

The updates on Research, Teaching, Extension, and other academic activities, were presented to the committee.

The BOS members have been informed about the recently constituted "Departmental Research Committee" which consists of internal members and external experts from Academics as well as Industry for monitoring and facilitating quality research in the department.

The teachers are advised to update their knowledge and skills in accordance with the recent technological advancements.

Agenda Item No-5

(Approval and suggestions on MOOCs for credit transfer)

Chairman BOS expressed the difficulty in the approval process of the courses and syllabus for minor Engineering and Honors Engineering. For obtaining Minor/Honors

Degree, a student has to get 20 Credits from MOOCs Courses like NPTEL, COURSEERA etc. As the courses offered by these platforms are changing from semester to semester, getting prior approval by BOS becomes a problem. Hence the chairman BOS requested the committee that, whenever the courses from NPTEL, COURSEERA are notified, Chairman BOS along with PAQIC Committee selects the suitable courses within the perview of guidelines and notify the same to students. The Courses notified by the chairman BOS will be ratified in the subsequent BOS meeting. The BOS committee has the authority to extend this provision for the next academic year or deny the same. BOS members unanimously agreed for this proposal.

Being no other items for discussion, meeting ended with vote of thanks by the Chairman- BOS for all the members.

ASSOCIATE PROFESSOR & HEAD
Department of Mechanical Engineering
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075. Telangana.