



**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY**
An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075, www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

45
years

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Minutes of the Fourth Board of Studies (B.E. Artificial Intelligence and Machine Learning) meeting held on 06-05-2024 in Hybrid mode from 02.00 PM onwards

Members present:

1. Prof. R.Madana Mohana, Professor & Head, Department of AI&ML, CBIT, Hyderabad.
2. Prof. Y.Rama Devi, Professor, AI&ML Dept., CBIT, Hyderabad.
3. Prof. K.Prabhakar, Professor, AI&ML Dept., CBIT, Hyderabad.
4. Dr. G. Narayana, Associate Professor, AI&ML Dept., CBIT, Hyderabad.
5. Dr. Y.C.A Padmanabha Reddy, Associate Professor, AI&ML Dept., CBIT, Hyderabad.
6. Smt. K.Mary Sudha Rani, Assistant Professor, AI&ML Dept., CBIT, Hyderabad.
7. Smt. G.Kavita, Assistant Professor, AI&ML Dept., CBIT, Hyderabad.
8. Smt. D.Nagajyothi, Assistant Professor, AI&ML Dept., CBIT, Hyderabad.
9. Dr. K.V.Kadambari, Associate Professor, CSE Department, NIT Warangal, TS.
10. Prof.P.V.Sudha, Professor & Head, Dept. of CSE, UCE, Osmania University, Hyderabad.
11. Yuktesh Chintamadaka, Director Academic Initiative SmartBridge, Hyderabad.
12. Dr. K. Basava Raju, Associate Professor, Dept. of AIML, Anurag University, Hyderabad.
13. Prof. M. Venkata Das, Chairperson, BoS, CSE Department, UCE, OU, Hyderabad.
14. Prof.V. Kamakshi Prasad, Professor & Principal, JNTU Jagityal.
15. Dr. Ramana Kadiyala, Associate Professor & Head, AIDS Dept, CBIT, Hyderabad.
16. Prof A. Rajanikanth, Professor & Head, IT Dept., CBIT, Hyderabad.
17. Prof. Raman Dugyala, Professor & Head, CSE Dept., CBIT, Hyderabad.
18. Prof. M. Subramaniam, Professor & Head, CET Dept., CBIT, Hyderabad.
19. Mr. M. Sathyanarayana, Asst. Professor, AI & ML Dept., CBIT, Hyderabad
20. Mr. P. Srikanth, Asst. Professor, AI & ML Dept., CBIT, Hyderabad
21. Ms. D. Prachi, Asst. Professor, AI & ML Dept., CBIT, Hyderabad

Leave of Absence:

1. Prof. P.S.V.S. Sai Prasad, AI Lab, University of Hyderabad, Gachibowli, Hyderabad.
2. Dr. Madichetty Sreenivasulu, Senior AI Engineer, Centific, Hyderabad.
3. Dr. Chinna Kasani, OpenText Technologies, Principal Software Engineer, Hyderabad.
4. Mr. Vihar Kurama, Co-founder, Caravel.AI, Hyderabad.

Agenda:

1. Review of PAQIC and DAB meeting
2. Confirmation Approval of BoS Minutes from Previous Meeting held on 15.05.2023
3. To approve the V to VIII Semesters syllabus of R22
4. To approve the amendments of I to IV Semesters Scheme/Syllabus of R22(A)
5. To approve amendments to R22 Regulations
6. To approve Open Electives offered to other departments
7. Approval of Value added courses, Honors Degree And Additional Minor Engineering Courses.
8. Any other item with the permission of the chair.

Prof. R. Madana Mohana, the chairperson of the Board of Studies (BoS) in the Department of AI & ML, welcomed members and conducted the proceedings. He gave a brief overview of CBIT and its achievements, as well as the vision and mission of the department. Additionally, he discussed the two undergraduate programs, BE(CSE-AI ML) and B.E.(AI ML), along with their Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs). Finally, he highlighted the achievements of the department.

Item 1: Review of PAQIC and DAB Meeting**Action Taken:**

The minutes of the PAQIC and DAB meetings were presented and approved.

Item 2: Approval of BoS Minutes from Previous Meeting

Action Taken: The minutes of the third BoS (AI&ML) meeting held on 15-05-2023, concerning the UG programs B.E (CSE-AI ML) and B.E.(AI &ML), were discussed and confirmed.

Item 3: Approval of revisions in R22 Scheme

Action Taken:

The revisions in the R22 scheme for V to VIII semesters of B.E (CSE-AIML) and B.E.(AIML) Programs have been approved with the following suggestions:

- a. Some members suggested having separate courses on Automata and Compiler Design to cover those subjects more comprehensively. Accordingly, the syllabus of both Automata and Compiler Design has been modified based on the GATE syllabus with minimal changes.
- b. It was proposed to make Natural Language Processing (Theory and Lab) a core course rather than a Professional Elective. Consequently, Image Processing (Theory and Lab) and Natural Language Processing (Theory and Lab) were swapped.
- c. The contents of the "Introduction to Machine Learning" course are rearranged, and Genetic Algorithms are added to the Machine Learning Lab. Dr. K.V.Kadambari, Associate Professor, CSE Department, NIT Warangal, contributed to the modification of the syllabus for the "Introduction to Machine Learning" course and lab, including a lab experiment on Genetic Algorithms.
- d. Deep Learning and Computer Vision are now separate courses. The Deep Learning for Computer Vision course has been replaced with a Deep Learning course, incorporating suggested changes in the syllabus.
- e. Speech Recognition, Federated AI, Generative AI, and AI in Healthcare are replaced with other emerging courses:
 - i. "Speech Recognition" is replaced by a new course "Computer Vision."
 - ii. "Federated AI" is replaced by a new course "Ethics and AI."
 - iii. "Generative AI" is replaced by a new course "Cognitive Computing."
 - iv. "AI in Healthcare" is replaced by a new course "Conversational AI."
- f. "Google Cloud Studio" for the course "Data Visualization and Analytics Lab" has been included. Experiments related to Google Cloud Studio are now part of the curriculum.

Item 4: Approval for the Amendments of I to IV Semesters Scheme - R22 (A) for B.E. (CSE-AIML)

Action Taken:

The proposed scheme for I to IV Semesters of the B.E (CSE-AIML) Program, as per R22(A) Regulation, has been approved by incorporating all the suggestions given for R22.

Item 5: To approve amendments to R22 Regulations

Action Taken:

The proposed amendments to R22 regulations are reviewed and approved by the members.

Item 6: Approval of Open Electives Offered to Other Departments

Action Taken:

The proposed open electives offered to other departments, as listed below, have been approved:

- i. "Introduction to AIML" renamed to "Fundamentals of AIML"
- ii. "Introduction to Deep Learning" renamed to "Foundations of Deep Learning"
- iii. "Ethical Intelligence"

9. Item 7: Approval of Value added courses, Honors Degree and Additional Minor Engineering Courses.

Action Taken:

It was suggested that the Value Added Courses, Additional Minor Engineering Degree, and Honors Degree Courses should be approved by the department standard committee first, followed by approval from the College-level Academic Council.

Item 8: Any Other Item with the Permission of the Chair:

Members suggested the following common observations:

- i. Include 10 - 12 core courses common to CSE and allied courses which can be useful for tracking GATE exam and for Higher Studies. The scheme of BE CSE (AIML) and BE-AIML already includes 8 CSE courses, 4 IT courses, 2 Artificial Intelligence and Data Science (AI&DS) courses, and 5 Computer Engineering and Technology (CET) courses.
- ii. Projects credited to be increased.
- iii. Uniform distribution of credits among all the semesters.
- iv. Include NPTEL equivalent courses in the curriculum itself during every revision.
- v. For the upskill certification course, remove the number of hours in the scheme.

The BoS (AI&ML) meeting is concluded with a vote of thanks by the Chairperson.


Prof. R. Madana Mohana

HOD, Chairperson,

BOS, AI & ML Dept.,

CBIT, Hyderabad.

Department of Artificial Intelligence
and Machine Learning
CBIT (A), Gandipet, Hyderabad-500 075.

Copy to:

All Members of Board of Studies (AIML)

The Chairman, Academic Council,

Director, Academics, CBIT.