Minutes of the Meeting of Board of Studies (BoS) of Artificial Intelligence which was held on 04th December 2021 at 9.30 am on MS Teams online meeting platform.

The following members were present:

1. Dr. Manjunath Joshi, Professor, DA-IICT. Ahmedabad.
2. Dr. Jitendra Mudhol, Founder and CEO, CollaMeta Sunnyvale, California
3. Mr. Sujay Madbhavi, Data Scientist, General Mills, Mumbai.
4. Dr. Vaishali Kulkarni, Professor, Chairperson (Artificial Intelligence), MPSTME, Mumbai.
5. Dr. Manjusha Joshi, Assistant Professor, MPSTME, Mumbai.
6. Ms. Radhika Chapaneri, Assistant Professor, MPSTME, Mumbai.
7. Mr. Suraj Patil, Assistant Professor, MPSTME, Shirpur.

Leave of absence was granted to the following members:
1. Dr. Alka Mahajan, Dean, MPSTME, NMIMS University.
2. Dr. Pravin Shrinath, HoD, Computer Engineering Department, MPSTME, Mumbai.
3. Dr. Sunil Bhardwaj, Data Scientist, Consultant (Business Analytics) SaS India.
4. Mr. Vikas Bhusari, country head - India - consulting sales and delivery - Oracle financial services software limited

1. The members of BoS confirmed the minutes of meeting of Board of Studies in Artificial Intelligence held on 28th August 2021.

2. The members of BoS considered and deliberated upon the minor revisions in the following programmes:
   i. B Tech Artificial Intelligence
   ii. B Tech Artificial Intelligence and Machine Learning
   iii. MBA Tech Artificial Intelligence

   A. Minor revision in the structure from semester I to VIII and teaching and examination scheme and syllabi for semester III for the batch admitted in academic year 2021-22 onwards and direct second year students admitted in the academic year 2022-23 onwards. (**Encl.- I**)

   i. Introduction of the course "Programming for AI" for B Tech and MBA Tech Artificial Intelligence in semester III.
   ii. Introduction of the course "Fundamentals of Database Systems" for B Tech and MBA Tech Artificial Intelligence and B Tech Artificial Intelligence and Machine learning in semester III.
   iii. Introduction of the course "Computer Architecture" for B Tech and MBA Tech Artificial Intelligence in place of "Computer organization and Architecture" in semester III.
   iv. Introduction of the course "Programming Language" for B Tech Artificial Intelligence and Machine learning in semester III.

v.   Removed "Digital Electronics and Microprocessor" course from B Tech and MBA Tech Artificial Intelligence and B Tech Artificial Intelligence and Machine learning in semester III.

vi. The syllabi of all other courses for semester III for B. Tech and MBA Tech Artificial Intelligence and B Tech Artificial Intelligence and Machine Learning are same as the preapproved courses of B Tech Artificial Intelligence programme.

B. The teaching and examination scheme and syllabi of all courses of semester IV for B. Tech Artificial Intelligence and Machine Learning are same as the preapproved courses of B Tech Artificial Intelligence programme. (**Encl.- II**)

C. The teaching and examination scheme of semester IV for MBA. Tech Artificial Intelligence program. The syllabi of all courses are same as the preapproved courses of B Tech Artificial Intelligence programme. (**Encl.- III**)

The meeting ended with a vote of thanks to the chair.

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Dean, MPSTME
Chairperson, Board of Studies

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Minutes of the Meeting of Board of Studies (BoS) of Artificial Intelligence, was held on April, 30, 2022 at 9.00 AM on Microsoft Teams platform.

The following members were present:

1. Dr. Alka Mahajan, Dean, MPSTME, NMIMS University.
2. Dr. Manjunath Joshi, Professor, DA-IICT, Ahmedabad.
3. Dr. Jitendra Mudhol, Founder and CEO, CollaMeta Sunnyvale, California
4. Mr. Sujay Madbhavi, Data Scientist, General Mills, Mumbai.
5. Dr. Vaishali Kulkarni, Professor, Chairperson (Artificial Intelligence), MPSTME, Mumbai.
6. Ms. Radhika Chapaneri, Assistant Professor, MPSTME, Mumbai.
7. Mr. Suraj Patil, Assistant Professor, MPSTME, Shirpur.
8. Mr. Yogesh Jadhav, Assistant Professor, STME, Kharghar

Leave of absence was granted to the following members:

1. Dr. Pravin Shrinath, HoD, Computer Engineering Department, MPSTME, Mumbai.

1. The members of BoS confirmed the minutes of a meeting of the Board of Studies in Artificial Intelligence held on 4th December 2021.

2. The BoS members considered and deliberated upon the revision in the curricula of B Tech. and MBA Tech. programs. They approved the following:

   A. A minor revision of curricula of B Tech Artificial Intelligence and MBA Tech Artificial Intelligence by way of –

   I. The course structure of B Tech Artificial Intelligence and MBA Tech Artificial Intelligence for the students admitted in AY 2022-23 and direct second year students admitted in AY 2023-24 onwards (Encl. - Ia)
      - Introducing of course of 'Technical Communication', in SEM III
      - Shifting of a course 'Computer Vision' from semester V to VII
      - Removing "Basic control theory" from Semester V.
      - The course Artificial Intelligence replaced by 'Intelligent Systems – II' in semester VI
      - Introduction of course 'Robotic Process Automation' in semester VI
      - Shifting of a course Computer Networks from semester VI to V
      - Introduction of course 'Employability Skills' in semester VI
      - Shifting of a course Natural Language Processing from semester VII to V B Tech Artificial Intelligence and semester VIII to V for MBA Tech Artificial Intelligence
      - Introduction of course 'Software Engineering' in semester VII for B Tech Artificial Intelligence and semester VIII for MBA Tech Artificial Intelligence
      - Shifting of a course Distributed Computing from core to Elective list in Semester V
      - Renaming the course Minor Project to 'Capstone Project' with increase in credits from 2 to 4 in Semester VII for B Tech Artificial Intelligence
      - Renaming the course Major Project to 'Project based Internship' with reduction in credits from 12 to 10 in Semester VIII for B Tech Artificial Intelligence
      - Reduction in credits for course 'Major Project' from 8 to 4 in Semester VIII for MBA Tech Artificial Intelligence
      - Removing "Technical Internship" from Semester VII for B Tech Artificial Intelligence
      - Increase in credits for course 'Technical Internship' from 0 to 4 in Semester VII for MBA Tech Artificial Intelligence

475

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- Reducing the no. Department Electives from 8 to 6 and 2 electives in each, in semesters V to VII respectively
- Shuffling of the no. Open Electives, 2 electives each in semesters V and VI and 1 elective in semesters VII respectively

II.   In the course structure of B Tech Artificial Intelligence and MBA Tech Artificial Intelligence for the students admitted in AY 2021-22 and direct second year students admitted in AY 2022-23 (Encl. - Ib)
- Shifting of a course 'Computer Vision' from semester V to VII
- Removing "Basic control theory" from Semester V.
- The course Artificial Intelligence replaced by 'Intelligent Systems – II' in semester VI
- Introduction of course 'Robotic Process Automation' in semester VI
- Shifting of a course Computer Networks from semester VI to V
- Introduction of course 'Employability Skills' in semester VI
- Shifting of a course Natural Language Processing from semester VII to V B Tech Artificial Intelligence and semester VIII to V for MBA Tech Artificial Intelligence
- Introduction of course 'Software Engineering' in semester VII for B Tech Artificial Intelligence and semester VIII for MBA Tech Artificial Intelligence
- Shifting of a course Distributed Computing from core to Elective list in Semester V
- Renaming the course Minor Project to 'Capstone Project' with increase in credits from 2 to 4 in Semester VII for B Tech Artificial Intelligence.
- Renaming the course Major Project to 'Project based Internship' with reduction in credits from 12 to 10 in Semester VIII for B Tech Artificial Intelligence
- Reduction in credits for course 'Major Project' from 8 to 5 in Semester VIII for MBA Tech Artificial Intelligence
- Removing "Technical Internship" from Semester VII for B Tech Artificial Intelligence
- Increase in credits for course 'Technical Internship' from 0 to 5 in Semester VII for MBA Tech Artificial Intelligence
- Reducing the no. Department Electives from 8 to 6 and 2 electives in each, in semesters V to VII respectively
- Shuffling of the no. Open Electives, 2 electives each in semesters V and VI and 1 elective in semesters VII respectively

III.   In the course structure of B Tech Artificial Intelligence for the students admitted in AY 2020-21 and direct second year students admitted in AY 2021-22 (Encl. - Ic)
- Shifting of a course 'Computer Vision' from semester V to VII
- Removing "Basic control theory" from Semester V.
- The course Artificial Intelligence replaced by 'Intelligent Systems – II' in semester VI
- Introduction of course 'Robotic Process Automation' in semester VI
- Shifting of a course Computer Networks from semester VI to V
- Shifting of a course Natural Language Processing from semester VII to V B Tech Artificial Intelligence and semester VIII to V for MBA Tech Artificial Intelligence
- Introduction of course 'Software Engineering' in semester VII for B Tech Artificial Intelligence and semester VIII for MBA Tech Artificial Intelligence
- Shifting of a course Distributed Computing from core to Elective list in Semester V
- Renaming the course Minor Project to 'Capstone Project' with increase in credits from 2 to 4 in Semester VII for B Tech Artificial Intelligence.
- Renaming the course Major Project to 'Project based Internship' with reduction in credits from 12 to 10 in Semester VIII for B Tech Artificial Intelligence

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- Renaming the course Major Project to 'Capstone project' with reduction in credits from 8 to 5 in Semester VIII for MBA Tech Artificial Intelligence
- Removing "Technical Internship" from Semester VII for B Tech Artificial Intelligence
- Increase in credits for course 'Technical Internship' from 0 to 4 in Semester VII for MBA Tech Artificial Intelligence
- Reducing the no. Department Electives from 8 to 6 and 2 electives in each, in semesters V to VII respectively
- Shuffling of the no. Open Electives, 2 electives each in semesters V and VI and 1 elective in semesters VII respectively

IV. The course structure of B Tech Artificial Intelligence and Machine Learning for the students admitted in AY 2022-23 and direct second year students admitted in AY 2023-24 onwards (**Encl. - Id**)
- Shuffling of courses, removing of courses and introduction of courses in line with B Tech Artificial Intelligence program

V. In the course structure of B Tech Artificial Intelligence and Machine Learning for the students admitted in AY 2021-22 and direct second year students admitted in AY 2022-23 (**Encl. - Ie**)
- Shuffling of courses, removing of courses and introduction of courses in line with B Tech Artificial Intelligence program

VI. The course structure of B Tech Artificial Intelligence and Data Science for the students admitted in AY 2022-23 and direct second year students admitted in AY 2023-24 onwards (**Encl. - If**)
- Shuffling of courses, removing of courses and introduction of courses in line with B Tech Artificial Intelligence program

VII. In the course structure of B Tech Artificial Intelligence and Data Science for the students admitted in AY 2021-22 and direct second year students admitted in AY 2022-23 (**Encl. - Ig**)
- Shuffling of courses, removing of courses and introduction of courses in line with B Tech Artificial Intelligence program

B. Minor revision of Teaching and Examination Schemes of **Semester I & II for B Tech Artificial Intelligence and MBA Tech Artificial Intelligence** for the students admitted in AY 2022-23 onwards (**Encl. - II**)
- Increasing the practical hours from 2 to 4 for the course on "Programming for Problem Solving" in Semester I for B. Tech Artificial Intelligence and MBA Tech Artificial Intelligence. Syllabus is approved in BoS of Computer department
- Increasing the theory hours from 2 to 3 for the course on "Data Structures and Algorithms" in Semester II for B. Tech Artificial Intelligence and MBA Tech Artificial Intelligence. Syllabus is approved in BoS of Computer department
- Introduction of the course "Digital Manufacturing Laboratory" and "Electrical and Electronics Workshop" in place of "Workshop Practice" in Semester II for B. Tech Artificial Intelligence and Semester I for MBA Tech Artificial Intelligence. Syllabus is approved in BoS of Mechanical & EXTC department

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- Splitting the course of "English Communication" for B. Tech Artificial Intelligence and MBA Tech Artificial Intelligence into three courses of 1 credit each. Syllabus is approved in BoS of BSH department
    - i. "English Communication" in Semester I
    - ii. "Technical Communication" in Semester III
    - iii. "Employability Skills" in Semester VI
- Shifting the course "Environmental Science" from Semester IV to I for B. Tech Artificial Intelligence and MBA Tech Artificial Intelligence and syllabus is already approved by Civil department

C. Minor revision of Teaching and Examination Schemes of **Semester I & II for B Tech Artificial Intelligence and Machine Learning and B Tech Artificial Intelligence and Data Science** for the students admitted in AY 2022-23 onwards **(Encl. - III) (Encl. - VI)**
- Increasing the practical hours from 2 to 4 for the course on "Programming for Problem Solving" in Semester I. Syllabus is approved in BoS of Computer departments
- Increasing the theory hours from 2 to 3 for the course on "Data Structures and Algorithms" in Semester II. Syllabus is approved in BoS of Computer departments
- Introduction of the course "Digital Manufacturing Laboratory" and "Electrical and Electronics Workshop" in place of "Workshop Practice" in Semester II. Syllabus is approved in BoS of Mechanical & EXTC departments
- Splitting the course of "English Communication" into three courses of 1 credit each. Syllabus is approved in BoS of BSH departments
    - a. "English Communication" in Semester I
    - b. "Technical Communication" in Semester III
    - c. "Employability Skills" in Semester VI
- Shifting the course "Environmental Science" from Semester IV to I and syllabus is already approved by Civil department

D. Minor revision in the teaching and examination scheme and syllabi of **semester III for B Tech Artificial Intelligence and MBA Tech Artificial Intelligence** for the students admitted in AY 2021-22 and direct second year students admitted in AY 2022-23. **(Encl. - V)**
- Fundamentals of Database Systems renamed as 'Database Management Systems' (Syllabus will be common with B Tech/ MBA Tech Computer Engineering, Information Technology and Cyber Security programs)
- Programming for AI renamed as 'Python Programming' (Syllabus will be common with B Tech/ MBA Tech Computer Engineering, Mechatronics, EXTC, Information Technology, and Cyber Security programs)
- The course Introduction to Artificial Intelligence replaced by 'Intelligent Systems – I'
- The course Principles of Operating Systems replaced by 'Operating Systems' (Syllabus is approved in BoS of Computer Engineering)
- Revision in syllabus of Discrete Mathematics (Syllabus is common with Computer Department)

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E. Minor revision in the teaching and examination scheme and syllabi of **semester III for B Tech Artificial Intelligence and Machine Learning** for the students admitted in AY 2021-22 and direct second year students admitted in AY 2022-23. The syllabi of all the courses are pre-approved/ adopted from B Tech Artificial Intelligence/B Tech Computer Engineering programs. **(Encl. - VI)**

F. Introduction of Teaching and Examination Scheme of **Semester III courses for the B Tech Artificial Intelligence and Data Science** program. This will be applicable to the students admitted in 2021-22 and direct second year students admitted in 2022-23. The syllabi of all the courses are pre-approved/ adopted from B Tech Artificial Intelligence/B Tech Data science programs. **(Encl. - VII)**

G. Introduction of Teaching & Examination Scheme and Syllabi of **Semester V for B Tech Artificial Intelligence** for the students admitted in academic year 2020-21 **(Encl.- VIII)**
    - The Course 'Computer Networks' syllabus will be common with B Tech/ MBA Tech Computer Engineering and EXTC programs
    - The course 'Web Programming' syllabus will be common with B Tech/ MBA Tech Information Technology and Cyber Security programs
    - The Course 'Mobile Application Development' syllabus will be common with B Tech/ MBA Tech Computer Engineering

Chairperson
Dean, Board of Studies

479