

## DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 16-04-2021

### Minutes of the First Board of Studies (B.E. Artificial Intelligence and Data Science) meeting held online on 16-04-2021 through Google Meet from 02.00PM onwards:

#### Members present:

1. Prof. R. Bala Venkata Subramanyam, Professor, CSE Dept., NIT Warangal
2. Prof. K .P.Supreethi, Professor, CSE Dept. and Coordinator, Start-up Cell, JNTUHCEH, Hyderabad
3. Prof. K. Shyamala, Professor, CSE Dept., UCE, O.U., Hyderabad
4. Sri Mahender Dubba, Managing Director, Advance Auto Parts Global Capability Center (GCC)
5. Sri Thatte Vishram, AWS Academy, Technical Program Manager, Hyderabad
6. Sri Akash Sinha, Head, Learning and Development, L4G, Hyderabad
7. Prof. Suresh Pabboju, Professor, IT Dept., CBIT, Hyderabad
8. Prof. K Radhika, Professor and Head, IT Dept., CBIT, Hyderabad
9. Dr. M. Venugopala Chary, Assoc. Professor, IT Dept., CBIT, Hyderabad
10. Ms. A. Sirisha, Assistant Professor, IT Dept., CBIT, Hyderabad
11. Dr. M. Trupthi, Assistant Professor, IT Dept., CBIT, Hyderabad
12. Ms. E. Rama Lakshmi, Assistant Professor, IT Dept., CBIT, Hyderabad
13. Ms. K. Swathi, Assistant Professor, IT Dept., CBIT, Hyderabad
14. Ms. T. Prathima, Assistant Professor, IT Dept., CBIT, Hyderabad
15. Mr K Gangadhara Rao, Assistant Professor, IT Dept., CBIT, Hyderabad
16. Mr. U. Sai Ram, Assistant Professor, IT Dept., CBIT, Hyderabad
17. Ms. Kratika Sharma, Assistant Professor, IT Dept., CBIT, Hyderabad
18. Mr. S. Rakesh, Assistant Professor, IT Dept., CBIT, Hyderabad

#### AGENDA

1. Introducing the new Board members, BoS (AI&DS)
2. Confirmation of the minutes of the Ninth BoS (IT) meeting
3. Approval of the Scheme for III to VIII Semesters of B.E. (AI&DS) Program as per R20 Regulation
4. Approval of the Syllabus for III & IV Semesters of B.E. (AI&DS) Program as per R20 Regulation
5. Review of Scheme and Syllabus for M.Tech (AI&DS) III & IV Semesters
6. Any other item with the permission of the Chair.

Dr. K.Radhika, Chairperson, Board of Studies (AI&DS) welcomed the new members of the BoS and conducted the proceedings:

#### **Item 1: Introducing the new Board members, BoS (AI&DS)**

The Chairperson, Board of Studies (AI&DS) introduced the members of the new Board, BoS B.E.(AI&DS).

#### **Item 2: Confirmation of the minutes of the Ninth BoS (IT) meeting**

Minutes of the Meeting regarding Items 2, 4 & 7 of the 9<sup>th</sup> BoS (IT) held on 25.07.2020 related to B.E. (AI&DS) program are discussed and confirmed.

**Item 3: Approval of the Scheme for III to VIII Semesters of B.E. (AI&DS) Program as per R20 Regulation**

The proposed R-20 scheme for B.E. (Artificial Intelligence and Data Science) program is approved with the following recommendations:

- a. Inclusion of Java Script Based Web Application Development course in Professional Elective#1 of Track#3
- b. Inclusion of Fundamentals of Cryptography in place of Network Security in Professional Elective#1 of Network Security track i.e., Track#4
- c. Inclusion of Mobile Application Development course under Professional Elective#2 of Track#3
- d. Inclusion of Expert Systems or Fuzzy Logic or Speech and Audio Processing in Advanced Artificial Intelligence track i.e., Track#1 of Professional Elective-3
- e. Inclusion of IoT Security or Web Security in place of Cloud Computing in Network Security track i.e., Track#4 of Professional Elective-4
- f. Inclusion of Social Network Analysis in Advanced Artificial Intelligence track i.e., Track #1 of Professional Elective-4
- g. Programming Languages can be offered in Open Electives to other department students of UG programs, as they will help students in securing placements.

**Item 4: Approval of the Syllabus for III & IV Semesters of B.E. (AI&DS) Program as per R20 Regulation**

The proposed Syllabus for III & IV Semesters of B.E. (AI&DS) Program as per R20 Regulation is approved with the following recommendations:

- a. Syllabus for Digital Image Processing needs to be reduced as per the level of understanding of the IV Semester students
- b. Inclusion of Satisfiability problem in DAA Theory course and one experiment based on Branch and Bound technique in the lab course of DAA.
- c. Analysis and inferential concepts to be included in the course Data Analysis and Visualization
- d. Engineering Economics and Accountancy course shall be moved to IV Semester from VIII Semester
- e. Inclusion of introduction to Multi Core Architecture concept in Unit#3 of DLCA
- f. Course Outcomes to be revised for the course AI Tools, Techniques and Applications

**Item 5: Review of Scheme and Syllabus for M. Tech. (AI&DS) III & IV Semesters**

The Scheme and Syllabus M. Tech (AI&DS) III, & IV Semesters is approved with the following recommendations:

- a. AI Tools, Techniques and Applications can be offered as an Open Elective by the Department.
- b. Programming Languages can be offered in Open Electives to other PG Programme students as they will help students in securing placements.

**Item 6: Any other item with the permission of the Chair**

The committee authorized the Chairperson, BoS (AI & DS) for the following:

- a. To modify Course Outcomes if required
- b. To constitute Panel of Examiners for question paper setting, paper valuation and practical examinations

**Item 4: Approval of courses for the award of B.E.(IT) Honours Degree and Additional Minor Engineering in Artificial Intelligence, Data Science, AR-VR and Information Security.**

The committee suggested to include a course on 'Quantum Computing' along with the other mentioned MOOC courses offered by NPTEL and Coursera (with proctored examination system) for the award of B.E. (IT) Honors degree.

**Any other item with the permission of the chair:**

The committee authorized the Chairperson, BoS (IT) for the following:

- a) To constitute Panel of Examiners for question paper setting, paper valuation and practical examinations
- b) To assign course codes as per the norms specified by the Institute.
- c) To update Book Editions for the courses if required
- d) To modify Course Outcomes if required

**The BoS (IT) meeting is concluded with vote of thanks by the Chairperson.**



**Dr. K. Radhika.**

Chairperson, BoS (IT)

Head, IT Dept., CBIT (A)

**Copy to:**

All the Members of Board of Studies (Information Technology)  
The chairman, Academic Council  
Director, Academics  
Joint Director, Academics-Informatics.

CBIT-IT Dept.-First BoS (AI & DS) Meeting (2021-04-16 at 01:34 GMT-7) Open with ▾

Department of Information Technology

Welcome to First BoS (AI & DS) Meeting

16<sup>th</sup> Apr 2021 (Friday), 2:00pm

2:11 / 1:58:47

CBIT-IT Dept.-First BoS (AI & DS) Meeting (2021-04-16 at 01:34 GMT-7) Open with ▾

| S.No              | Course Code | Title of the Course                           | Scheme of Instruction |   |     | Scheme of Examination    |               |     | Credits |
|-------------------|-------------|---|-----------------------|---|-----|--------------------------|---------------|-----|---------|
|                   |             |   | Hours per Week        |   |     | Duration of SEE in Hours | Maximum Marks |     |         |
|                   |             |   | L                     | T | P/D |                          | CIE           | SEE |         |
| <b>THEORY</b>     |             |   |                       |   |     |                          |               |     |         |
| 1                 | 20MT C03    | Differential Equations & Transform Theory     | 3                     | - | -   | 3                        | 40            | 60  | 3       |
| 2                 | 20CYC01     | Chemistry                                     | 3                     | - | -   | 3                        | 40            | 60  | 3       |
| 3                 | 20IT C01    | Data Structures and Algorithms                | 3                     | - | -   | 3                        | 40            | 60  | 3       |
| 4                 | 20IT C02    | Object Oriented Programming using Python      | 2                     | - | -   | 3                        | 40            | 60  | 2       |
| <b>PRACTICALS</b> |             |   |                       |   |     |                          |               |     |         |
| 5                 | 20MT C04    | Differential Equations & Transform Theory Lab | -                     | - | 2   | 3                        | 50            | 50  | 1       |
| 6                 | 20CYC02     | Chemistry Lab                                 | -                     | - | 4   | 3                        | 50            | 50  | 2       |

17:39 / 1:58:47