

DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 03-06-2022

Minutes of the Second Board of Studies (Artificial Intelligence and Data Science) meeting held online on 02-06-2022 through Zoom Meet from 10:00 AM onwards:

Members present:

1. Prof. K. Shyamala, Professor, CSE Dept., UCE, O.U, Hyderabad.
2. Prof. R. Bala Venkata Subramanyam, Professor, CSE Dept., NIT Warangal
3. Prof. K .P.Supreethi, Professor, CSE Dept. and Coordinator, Start-up Cell, JNTUHCEH, 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. Mr. Akash Sinha, Head, Learning and Development L4G, Hyderabad
7. Prof. Suresh Pabboju, Professor, IT Dept., CBIT, Hyderabad.
8. Prof.K. Radhika, Professor, IT Dept., CBIT, Hyderabad.
9. Dr. M.Venu Gopalachari, Associate 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. U. Sai Ram, Assistant Professor, IT Dept., CBIT, Hyderabad
16. Ms. Kratika Sharma, Assistant Professor, IT Dept., CBIT, Hyderabad
17. Mr. S. Rakesh, Assistant Professor, IT Dept., CBIT, Hyderabad

AGENDA

1. Confirmation of the minutes of the first BoS (AI&DS) meeting held on 16/4/2021.
2. Approval of the scheme and syllabus for V to VIII Semesters of B.E.(AI&DS) program as per R-20 Regulation.
3. Approval of the syllabus of the open elective courses offered to other UG programs
4. Any other item with the permission of the chair

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

Item 1: Confirmation of the minutes of the First BoS(AI&DS) meeting

The Minutes of the First BoS (AI&DS) meeting held on 16-04-2021 are confirmed

Item 2: Approval of the scheme and syllabus for V to VIII Semesters of B.E.(AI&DS) program as per R20 Regulation.

The proposed R-20 scheme for V to VIII Semesters of B.E. (AI&DS) Program is approved with the following recommendations:

- a) To include introduction to JSON objects in unit II of Full Stack Development Course.
- b) To change the title of "Spring Boot" Course to "Micro services with Spring Boot" and also suggested to move to Professional Elective-3 and move "computer vision" course Professional Elective-2
- c) To include Data Warehousing concepts in the first unit of Business Intelligence course in VII semester.
- d) The committee suggested to offer a Value Added Course on "Data Visualization Tools".
- e) The committee suggested to offer "Data Warehousing and Data Mining" course in Professional Elective-I in IV Semester.

Item 3: Approval of the syllabus of the open elective courses offered to other UG programs

The proposed list of Open Elective Courses and its syllabus offered by AI&DS department was approved.

Any other item with the permission of the chair:

The committee authorized the Chairperson, BoS (AI&DS) 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 (AI&DS) meeting is concluded with vote of thanks by the Chairperson.



Dr. K. Radhika.
Chairperson, BoS (AI&DS)
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

UG programs, as they will help students in securing placements.

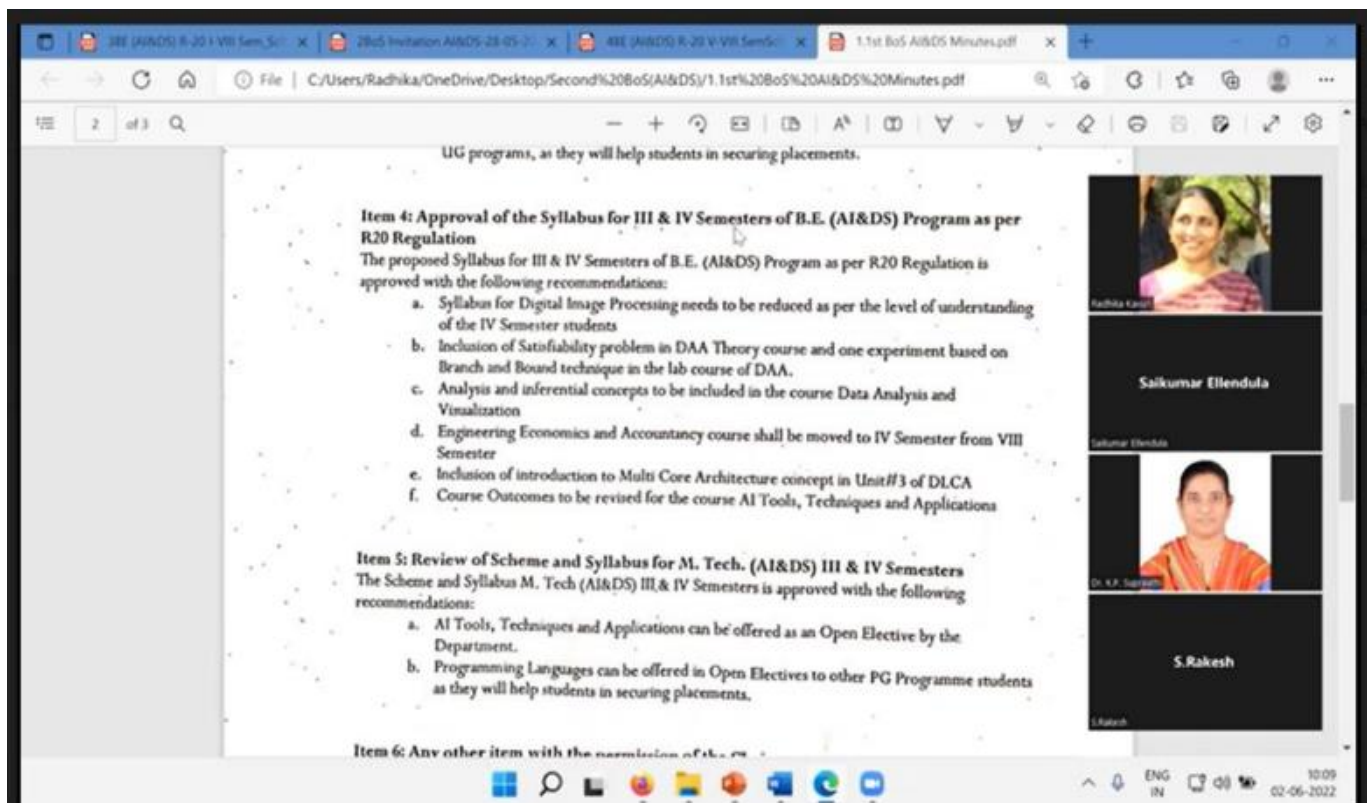
Item 4: Approval of the Syllabus for III & IV Semesters of B.E. (AI&DS) Program as per R20 Regulation
 The proposed Syllabus for III & IV Semesters of B.E. (AI&DS) Program as per R20 Regulation is approved with the following recommendations:

- Syllabus for Digital Image Processing needs to be reduced as per the level of understanding of the IV Semester students
- Inclusion of Satisfiability problem in DAA Theory course and one experiment based on Branch and Bound technique in the lab course of DAA.
- Analysis and inferential concepts to be included in the course Data Analysis and Visualization
- Engineering Economics and Accountancy course shall be moved to IV Semester from VIII Semester
- Inclusion of introduction to Multi Core Architecture concept in Unit#3 of DLCA
- 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:

- AI Tools, Techniques and Applications can be offered as an Open Elective by the Department.
- 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 ...



| SEMESTER - V | | | | SEMESTER - VI | | | |
|--------------|-------------|--|-----------|---------------|-------------|----------------------------------|-------------|
| S. No | Course Code | Title of the Course | Credits | S. No | Course Code | Title of the Course | Credits |
| 1 | 20ADC06 | Artificial Intelligence | 3 | 1 | 20ITC13 | Software Engineering | 3 |
| 2 | 20ITC28 | Introduction to IoT and Embedded Computing | 3 | 2 | 20ADC10 | Deep Learning | 4 |
| 3 | 20ITC19 | Operating Systems | 3 | 3 | 20ADC11 | Data Science with R | 3 |
| 4 | 20ADC07 | Full Stack Development | 3 | 4 | 20ITC26 | Cloud Computing | 3 |
| 5 | 20ITC20 | Computer Networks | 3 | 5 | | Professional Elective - 3 | 3 |
| 6 | | Professional Elective - 2 | 3 | 6 | 20ITC16 | Software Engineering Lab | 1.5 |
| 7 | 20ADC08 | Artificial Intelligence Lab | 1 | 7 | 20ADC12 | Deep Learning Lab | 1.5 |
| 8 | 20ITC28 | ES& IoT Lab | 1.5 | 8 | 20ADC13 | Minor Project -II (Data Science) | 1.5 |
| 9 | 20ADC09 | Minor Project - I (Full Stack Development) Lab | 1.5 | 9 | | Employability Skills | 1 |
| 10 | | Industrial / Rural Internship | 2 | | | TOTAL | 21.5 |
| | | TOTAL | 24 | | | | |

Professional Elective #2

| | | |
|---|---------|---------------------------------------|
| 1 | 20ADE03 | Natural Language Processing |
| 2 | 20ADE04 | NoSQL Databases |
| 3 | 20ADE05 | Spring Boot |
| 4 | 20ITE06 | Cyber Security |
| 5 | 20ADE06 | Compiler Design |
| 6 | 20ITE10 | Augmented Reality and Virtual Reality |

Professional Elective #3

| | | |
|---|---------|------------------------------|
| 1 | 20ITE13 | Computer Vision |
| 2 | 20ADE07 | Explainable AI |
| 3 | 20ITE14 | Applied Predictive Analytics |
| 4 | 20ITE16 | Block Chain Technologies |
| 5 | 20ADE08 | Agile Project Management |
| 6 | 20ADE09 | Social Network Analytics |

SEMESTER -VIII

