

Date: 11/02/2022

Minutes of Meeting – Board of Studies (BOS)

Minutes of Meeting of Board of Studies of Artificial Intelligence and Data Science Department held on 11th February, 2022 at 03.00P.M in IQAC, MG Block. The following members were present.

| S. No. | Name of the Faculty | Designation | Signature |
|--------|--|--------------------|--|
| 1 | Dr. R. Santhoshkumar, Professor & HOD (AI & DS) | Chairman | <i>R. Santhosh</i> |
| 2 | Dr. V. Kamakshi Prasad, Professor of CSE, JNTUH College of Engineering, Hyderabad | University Nominee | <i>V. Kamakshi Prasad</i> 11/2/22 |
| 3 | Dr. K. Venkatesh Sharma, Professor, Dept. of CSE, CVR College of Engineering, Hyderabad | Educationist | <i>K. Venkatesh Sharma</i> 11/2/22 |
| 4 | Dr. P. L. Srinivasa Murthy, Professor, Department of CSE, Institute of Aeronautical Engineering, Dundigal, Hyderabad | Educationist | <i>P. L. Srinivasa Murthy</i> 11/2/22 |
| 5 | Mr. Bonthala Mallikarjuna Aswanth Kumar, Lead Technology, Synechron, Hyderabad | Industrialist | <i>B.M. Aswanth Kumar</i> 11/2/22 |
| 6 | Dr. S.V.S Ramakrishnam Raju, Dean Academics | Faculty Member | <i>S.V.S. Ramakrishnam Raju</i> |
| 7 | Dr. M. Narayanan, Professor & HOD, Dept. of CSE | Faculty Member | <i>M. Narayanan</i> |
| 8 | Dr. R. Nagaraju, Professor & HOD, Dept. of IT | Faculty Member | <i>R. Nagaraju</i> |
| 9 | Dr. T. Poongothai, Professor & HOD, Dept. of CSE (AI&ML) | Faculty Member | <i>T. Poongothai</i> |
| 10 | Dr. D. Ranadheer Reddy, Professor & HOD, Dept. of S&H | Faculty Member | <i>D. Ranadheer Reddy</i> |
| 11 | Dr. N. Satheesh, Professor, Dept. of CSE | Faculty Member | <i>N. Satheesh</i> |
| 12 | Mr. Pannati Nagesh, React Front End Developer, Syncor Solutions, Hyderabad | Alumni Member | <i>P. Nagesh</i> |

The meeting began with Chairman, Board of Studies extending a warm welcome to all the members of participating in the meeting.

The following points were discussed and approved during the meeting

1. The following SMEC R22 course structure and detailed syllabus for I-I, I-II, II-I, II-II year were presented, discussed and approved. And the total credits for the programme were discussed, finalized and approved.

| S.No. | Theory | Laboratory |
|----------------------------|--|---|
| I Year I Semester | | |
| 1 | 1. Linear Algebra and Calculus 2. Applied Physics 3. Programming for Problem Solving 4. Engineering Graphics 5. Environmental Science 6. Technical Seminar 7. Induction Programme | 1. Applied Physics Lab 2. Programming for Problem Solving Lab |
| I Year II Semester | | |
| 2 | 1. Ordinary Differential Equations and Vector Calculus 2. Engineering Chemistry 3. Basic Electrical Engineering 4. Engineering Workshop 5. Professional English 6. Micro Project | 1. Engineering Chemistry Lab 2. English Language and Communication Skills Lab 3. Basic Electrical Engineering Lab |
| II Year I Semester | | |
| 3 | 1. Discrete Mathematics 2. Data Structures 3. Mathematical and Statistical Foundations 4. Computer Organization and Architecture 5. Python Programming 6. Business Economics and Financial Analysis | 1. Data Structures Lab 2. Python Programming Lab 3. Gender Sensitization Lab |
| II Year II Semester | | |
| 4 | 1. Formal Languages and Automata Theory 2. Introduction to Artificial Intelligence 3. Operating Systems 4. Database Management Systems 5. Object Oriented Programming using Java 6. Constitution of India | 1. Artificial Intelligence Lab 2. Database Management Systems Lab 3. Java Programming Lab |

2. The following SMEC R20 course structure for III-I, III-II, IV-I, IV-II year were presented, discussed and approved. And the total credits for the programme were discussed, finalized and approved.

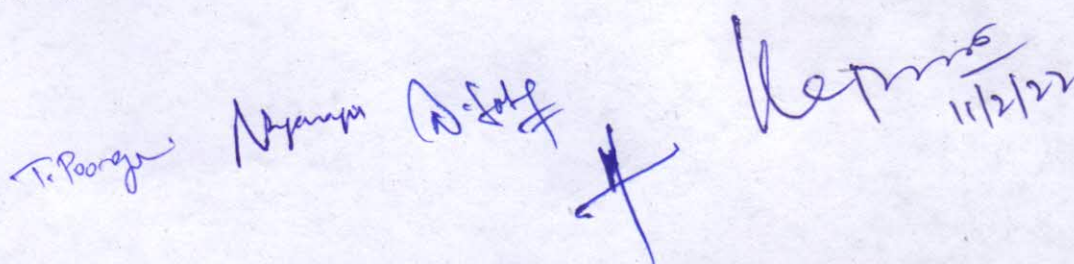
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| S.No. | Theory | Laboratory |
|-----------------------------|---|---|
| III Year I Semester | | |
| 1 | 1. Data Science 2. Software Engineering 3. Design and Analysis of Algorithm 4. Computer Networks 5. Professional Elective-I/MOOCs 6. Professional Elective-II 7. Intellectual Property Rights | 1. Data Science Lab 2. Software Engineering Lab 3. Advanced Communication Skills Lab |
| III Year II Semester | | |
| 2 | 1. Machine Learning 2. Data Analytics 3. Compiler Design 4. Professional Elective-III/MOOCs 5. Open Elective-I 6. Environmental Science | 1. Machine Learning Lab 2. Data Analytics Lab 3. Compiler Design Lab |
| IV Year I Semester | | |
| 3 | 1. Deep Learning 2. Big Data Management 3. Professional Elective-IV 4. Professional Elective-V 5. Open Elective-II | 1. Deep Learning Lab 2. Industry Oriented Mini Project 3. Project Stage - I 4. Seminar |
| IV Year II Semester | | |
| 4 | 1. Organizational Behaviour 2. Professional Elective-VI 3. Open Elective-III | 1. Project Stage- II |

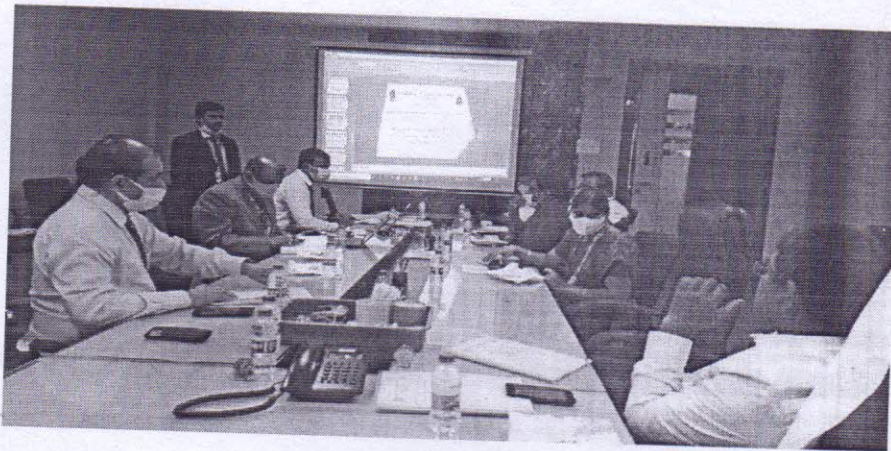
The following points were suggested for future possible implementations

1. In Applied Physics subject the concept relevant to computer science and engineering domain need to be incorporated.
2. In Engineering Chemistry subject the concept relevant to computer forensics need to be incorporated.
3. In Mathematics subject the relevant topics related to statistical methods and cyber security methods need to be included.

The meeting ended with chairman thanking members for their lively and useful interaction to evolve a best possible course structure and syllabus for the B. Tech Artificial Intelligence and Data Science (AI & DS) programme.



 T. Poornima
 N. Anurag
 A. Sathya
 K. Pradeep
 11/2/22



W. Jayaram *N. Prasad* *T. Prasad*

Chairman
11/2/22

- Copy to:
1. Principal
 2. IQAC

[Handwritten signature]

Chairman
R. Santhoshkumar
Dr. R. Santhoshkumar
HOD (AI & DS)
Head of the Department
Department of Artificial Intelligence and
Data Science (AI & DS)
St. Martin's Engineering College
Dhulapally, Secunderabad, Telangana-500100