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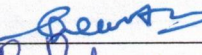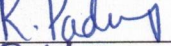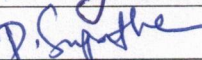
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(AI & ML) and
COMPUTER SCIENCE AND ENGINEERING (Data Science)

Minutes of BOS Meeting Held on 10-06-2024

The Board of Studies meeting for the B.Tech CSE (AI & ML) and B.Tech CSE (Data Science) programs were held on June 10, 2024, via Google Meet.

The agenda of the meeting is as follows:

- Review and approval of the PVP20 regulations for the B.Tech programs in CSE (AI & ML) and CSE (Data Science) – Third-year course structure and syllabus.
- Any other items with the permission of the Chairman.

Sl. No.	Name of the Committee Member	Designation	Signature
1	Dr MHM Krishna Prasad	Professor-CSE, Principal University College of Engineering Kakinada(A), JNTUK, Kakinada.	Attended through Online mode (Google Meet)
2	Dr P Radha Krishna	Professor, Department of Computer Science and Engineering, NITW, Warangal, Telangana, INDIA.	
3	Dr Sunil Kumar Vuppala	Director- Data Science, Ericsson Global Accelerator (GAIA), Bangalore	
4	Mr Pratap Kolla	Senior Consultant, TCS, Telangana	
5	Mr Aditya Sriram	Manager 2,SDNAS Integration, DELL Technologies,Bangalore	
6	Dr B Janakiramaiah	Professor & Head-CSE (AI&ML) and CSE (Data Science), PVPSIT	*signature*
7	Mr Ch.Naresh	Asst Prof,Dept of CSE(AI&ML)	*signature*
8	Ms R.Padmaja	Asst Prof, Dept of CSE(AI&ML)	*signature*
9	Ms P.Nagamani	Asst Prof,Dept of CSE(DS)	*signature*
10	Ms P.Sujatha	Asst Prof,Dept of CSE(AI&ML)	*signature*

11	Ms M.Susmitha	Asst Prof,Dept of CSE(AI&ML)	
12	Mr M.Winson	Asst Prof,Dept of CSE(DS)	
13	Mr G.Venkata Krishna	Asst Prof, Dept of CSE(AI&ML)	
14	Mr.K.Chiranjeevi	Asst Prof,Dept of CSE(DS)	
15	Ms. S.Sreeja	Asst Prof,Dept of CSE(DS)	
16	Ms.Ch.Mounika	Asst Prof,Dept of CSE(DS)	
17	Mr.K.S.S.Narayana	Asst Prof, Dept of CSE(AI&ML)	
18	Mrs.G.Pavani	Asst Prof,Dept of CSE(DS)	
19	Mr.B. Kalyana Chakravarthy	Asst Prof, Dept of CSE(AI&ML)	

The detailed syllabi for the B.Tech Third Year CSE (AI & ML) and B.Tech CSE (Data Science) programs were presented online.

After reviewing the Third Year B.Tech CSE (AI & ML) and B.Tech CSE (Data Science) syllabi, the members of the Board of Studies (BOS) approved and finalized the course structures and syllabi for these programs with the following recommendations and modifications:

Modifications/Recommendations:

Machine Learning:

- It is recommended to include the topic of CRISP-DM in the first unit.
- It is recommended to reorganize the topics of K-Nearest Neighbor (KNN) and Support Vector Machine (SVM).
- It is suggested to include concepts of association rules and correlations.

Front End Technology and Web Development:

- It is suggested to remove the theory courses "Frontend Technologies" from III B.Tech I Sem and "Web Development" from III B.Tech II Sem. Instead, retain only the laboratory components, renaming them as "Full Stack Web Development I" and "Full Stack Web Development II."

Machine Learning Lab:

- Include a comparison of classification algorithms and a capstone project.

4. **Software Testing and Methodologies**:

   - It is recommended to include software testing estimation techniques and automation tools.

5. **Data Visualization:**

   - Suggested to include EDA concepts, distributions, data types, drilldown capabilities, and capstone projects.

6. **Cryptography and Network Security**:

   - Recommended incorporating computer security topics into the first unit
   - Proposed covering hashing techniques such as MD5, SHA, etc., in the fourth unit.
   - Advised including concepts of email security.

7. **Deep Learning:**

   - Recommend including an overview of Neural Networks.

8. **Natural Language Processing:**

   - Suggested including topics on Recurrent Neural Networks in the upcoming semester courses.

9. **Reinforcement Learning:**

   - The members felt that the syllabus is too extensive and suggested minimizing the number of concepts covered.
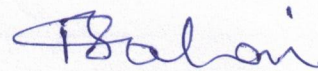
Resolutions:

1.
   - Included the CRISP-DM framework in Unit I.
   - Moved the KNN topic before SVM.
   - Included Data Mining concepts, Association Rules, and Correlation concepts in the course on Data Warehousing and Data Mining.

2. Revised the curriculum by replacing theoretical courses on Frontend Technologies and Web Development with Full Stack Web Development I in the III-I semester.

Introduced Full Stack Web Development II as a laboratory component in the III-2 semester.

3. Included comparison algorithms and capstone projects in the Machine Learning Lab.

4. Included Software Testing Estimation techniques and automation tools in the Software Testing Methodologies course.

5. Included topics on EDI Concepts, Distributions, Data types, drilldown capabilities, and capstone projects.

6. Included topics on computer security concepts and fundamental security design principles in Unit I. Added topics on SHA, EDSS, SDSS, NISTDSA, and ECDSA to Unit IV. Included E-mail Security concepts in Unit V.

7. Included the Overview of Neural Networks topic in the Deep Learning course.

8. Covered Recurrent Neural Networks in the Machine Learning course in the previous semester.

9. Reduced topics in Reinforcement Learning.

Date: 14-06-2024

Dr B Janakiramaiah, 14/6/24
Chairman, BoS,
HEAD
Dept.of CSE (AI&ML),CSE (Data Science)
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