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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | MACHINE LEARNING Lab | 1.The vision of the Machine Learning Lab is to develop autonomous decision-making systems, which close the perception-action-learning loop while learning from small amounts of data.  2.The laboratory aims to promote and lead scientific advances in data-efficient machine learning, i.e., the ability to learn in complex domains without requiring large quantities of data. Research areas that fall into this category include probabilistic modelling, incorporation of domain or structural prior knowledge, transfer learning, semi-supervised learning, active learning, Bayesian optimization and reinforcement learning.  . | 1. Chalk and   Talk method   1. PPT | * Business   Ethics   * Human   values | PO1:Engineering Knowledge  PO2:Problem Analysis  PO4:Conduct Investigations Of Complex Problems  PO5:Modern Tool Usage  PO6: Engineer and Society  PO9:INDIVIDUAL AND TEAM WORK |  |
|  |  | PO11:Project Management and Finance.  PO12: Life-long  Learning. |
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|  |  | PSO1:Professional Skills  PSO2:Problem Solving Skill |
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|  |  | CO1:Understand the implementation procedures for the machine learning algorithms.  CO2:Design Java/Python programs for various Machine Learning algorithms.  CO3:Apply appropriate data sets to the Machine Learning algorithms.  CO4:Identify and apply Machine Learning algorithms to solve real world problems.  CO5:Design and implement machine learning solutions to classification, regression, and clustering problems; and be able to evaluate and interpret the results of the algorithms.. |
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