|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 method1. PPT
 | * Business

 Ethics* Human

 values | PO1:Engineering KnowledgePO2:Problem AnalysisPO4:Conduct Investigations Of Complex ProblemsPO5:Modern Tool UsagePO6: Engineer and SocietyPO9:INDIVIDUAL AND TEAM WORK |  |
|  |  | PO11:Project Management and Finance. PO12: Life-longLearning. |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | PSO1:Professional SkillsPSO2:Problem Solving Skill |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | 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..  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

