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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 | 1.Machine learning is a method of data analysis that automates analytical model building. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention.2.A major benefit of machine learning is its ability to predict student performance. By “learning” about each student, the technology can identify weaknesses and suggests ways to improve, such as additional practice tests. Machine learning can help move away from standardized testing according to Rose Luckin3. Applications of Machine learning* Image Recognition: Image recognition is one of the most common applications of machine learning.
* Speech Recognition.
* Traffic prediction:
* Product recommendations:
* Self-driving cars:
* Email Spam and Malware Filtering:
* Virtual Personal Assistant:
* Online Fraud Detection

. | 1. Chalk and

Talk method1. PPT
 | * Business

 Ethics* Human

 values | PO1:Engineering KnowledgePO2:Problem AnalysisPO3:Design/Development Of SolutionsPO4:Conduct Investigations Of Complex ProblemsPO5:Modern Tool UsagePO6: Engineer and SocietyPO7:Environment And SustainabilityPO8:ETHICS |  |
|  |  | PO10:COMMUNICATIONPO11:Project Management and Finance. PO12: Life-longLearning. |
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|  |  | PSO1:Professional SkillsPSO2:Problem Solving Skill |
|  |  | PSO3: Successful |
|  |  | career and |
|  |  | entrepreneurship |
|  |  | CO1:Explain fundamental issues, challenges and problems relevant to machine learningCO2:Analyse and implement Machine Learning algorithms and paradigms of supervised and un-supervised learningCO3:Apply neural networks, Bayes classifier and k-nearest neighbour, for problems appearing in machine learning.CO4:Analyse the Performance of statistical analysis of machine learning techniques.CO5:Implement machine learning algorithms to solve problems of moderate complexity.  |
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