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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and****Tool** | **Cross-cutting issues****integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | BIG DATA ANALYTICS  | **1.**There are many ways that higher education is incorporating big data to make the educational experience better for students. Big data is helping to improve responses to learning style, benefit targeted enrollment, and increase retention rates.2. Skills required to learn Big Data is as follows:* Apache Hadoop.
* Apache Spark.
* Hive.
* Machine Learning.
* Data Mining.
* Data Visualization.
* SQL and NoSQL databases.
* Data Structure and Algorithms
 | 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:ETHICSPO9:INDIVIDUAL AND TEAM WORKPO10:COMMUNICATIONPO11:Project Management and Finance. PO12: Life-longLearning. |  |
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|  |  | PSO1:Professional SkillsPSO2:Problem Solving Skill |
|  |  | PSO3: Successful |
|  |  | career and |
|  |  | entrepreneurship |
|  |  | CO1:Master the concepts of HDFS and MapReduce framework.CO2:Investigate Hadoop related tools for big data analytics and perform basic Hadoop administration.CO3:Recognize the role of business intelligence, data warehousing and visualization in decision making .CO4:Infer the importance of core datamining techniques of data analytics.CO5:Compare and contrast different text mining techniques |
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