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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 method   1. PPT | * Business   Ethics   * Human   values | PO1:Engineering Knowledge  PO2:Problem Analysis  PO3:Design/Development Of Solutions  PO4:Conduct Investigations Of Complex Problems  PO5:Modern Tool Usage  PO6: Engineer and Society  PO7:Environment And Sustainability  PO8:ETHICS  PO9:INDIVIDUAL AND TEAM WORK  PO10:COMMUNICATION  PO11:Project Management and Finance.  PO12: Life-long  Learning. |  |
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|  |  | PSO1:Professional Skills  PSO2: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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