

Title - **Big Data in Cloud Computing**

Topic area:

1. Big Data Resource Management Frameworks
2. Hadoop and Apache
3. Map reduce and Partitioning
4. Data warehousing and ETL Process
4. Multidimensional Analysis through Big data tool
5. Cloud computing and EC2
6. **Cloud Computing Architecture**

Abstract or description - The modern day advancement is increasingly digitizing our lives which has led to a rapid growth of data. Such multidimensional datasets are precious due to the potential of unearthing new knowledge and developing decision-making insights from them. Analyzing this huge amount of data from multiple sources can help organizations to plan for the future and anticipate changing market trends and customer requirements. While the Hadoop framework is a popular platform for processing larger datasets, there are a number of other computing infrastructures, available to use in various application domains. The primary focus of the study is how to classify major big data resource management systems in the context of cloud computing environment. We identify some key features which characterize big data frameworks as well as their associated challenges and issues. We use various evaluation metrics from different aspects to identify usage scenarios of these platforms. The study came up with some interesting findings which are in contradiction with the available literature on the Internet.

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