

Course Module
For
Certificate Course in Data Analytics

Total Duration required: 30 Hours

Course Structure

S.No.	Contents Deliverance	Learning Outcomes
1	Introduction to BIG DATA (7 hours)	Develop skills to tackle big data and leverage it for better business outcomes
2	Data Analysis (7 hours)	Recognize the breadth of analytic applications
3	Mining Data Streams (7 hours)	Evaluate analytics problem solving to lead teams and design
4	Frequent Item sets and Clustering (7 hours)	Describe common algorithms, their appropriate applications across domains, and their limitations
5	Frameworks and Visualization (7 hours)	Understanding visual data analysis techniques

References:

- Bill Franks, Taming the Big Data Tidal Wave: Finding Opportunities in Huge Data Streams with advance analysis, John Wiley & sons, 2018.
- Michael Bethold, David J. Hand, Intelligent Data Analysis, Springer, 2017.
- Anand Rajarman and Jeffrey David Ullman, Mining of Massive Datasets, Cambridge University Press, 2020

Evaluation Pattern: On the basis of viva voce