

SYNERGY INSTITUTE OF ENGINEERING AND TECHNOLOGY, DHENKANAL

NBA Accredited

Assignment 3

Near NH-55, Banamali Prasad – 759001

Full Marks – 40

Duration 1 week from notification

Roll no-

Registration no-

Name:

Subject with Code : Big Data Integration and Management (BDIM) PCAC2009

Course & Branch : B.Tech : CE, EE, CS

Year & Semester: 2nd & IV

	Section- A Answer All questions	
1	What do you mean by Machine Learning?	[2marks][CO3][L1]
2	Why is Machine Learning important for Big Data?	[2marks][CO3][L1]
3	What are the different types of Machine Learning?	[2marks][CO3][L2]
4	What is Classification in Machine Learning?	[2marks][CO3][L2]
	Section-B Answer All Questions	
1	What are the challenges of applying Machine Learning to Big Data?	[6marks][CO3][L2]
2	Explain the differences between Supervised, Unsupervised, and Reinforcement Learning.	[6marks][CO3][L2]
	Section-C Answer All Questions	
1	Discuss the importance of Data Exploration and Data Preparation in Machine Learning.	[10 Marks][CO3][L2]
2	Explain Regression in Machine Learning with an example.	[10 Marks][CO3][L2]
	Additional Questions	
1	What are the different types of Clustering techniques? Explain with examples	[2marks][CO3][L2]
2	What are the different techniques for retrieving Big Data, and how do they impact performance	[2marks][CO3][L2]

