SYNERGY INSTITUTE OF ENGINEERING AND TECHNOLOGY, DHENKANAL

NBA Accredited

Assignment 1

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 'big data Integration'? Explain briefly.**	[2marks][CO1][L1]
2	**What is Value in Big Data? Explain briefly.**	[2marks][CO1][L1]
3	**What do you mean by Data explosion? Explain**	[2marks][CO1][L2]
4	**What do you mean by a NoSQL Model? Explain briefly.**	[2marks][CO1][L2]
	Section-B **Answer All Questions**	
1	**What is HDFS? Give a clear and detailed explanation**	[6marks][CO1][L2]
2	**What are the main challenges in designing a Big Data system? Explain briefly.**	[6marks][CO1][L2]
	Section-C **Answer All Questions**	
1	**What do you mean by Processing in Big Data infrastructure? Explain the clearly.**	[10 Marks][CO1][L2]
2	**What is a Relational Database (RDBMS)? Explain its concepts and application.**	[10 Marks][CO1][L2]
	Additional Questions	
1	**What is a Data source in Big Data? Give examples**	[2marks][CO1][L2]
2	**What do you mean by Distributed Systems? Explain briefly**	[2marks][CO1][L2]
3	**What is the role of Data Models in Big Data storage and retrieval? Explain briefly**	[2marks][CO1][L2]