BIG	G DATA ANA	LYTICS	
[As per Choice B	Based Credit S	vstem (CRCS) schemel	
(Effective from	m the academi	ic year 2017 - 2018)	
	SEMESTER -	- VIII	
Subject Code	17CS82	IA Marks	40
Number of Lecture Hours/Week	4	Exam Marks	60
Total Number of Lecture Hours	50	Exam Hours	03
	CREDITS -		
Module – 1	r ·		Teaching
**	3		1 '
Hadoop Distributed File System	Basics, Runni	ng Example Programs	and 10 Hours
Deficialities, Haddop Mapkeduce Fr	amework, Map	Reduce Programming	ind To Hour
Module - Z			
Essential Hadoop Tools, Hadoop YA	ARN Application	ons, Managing Hadoop w	ith 10 Hours
repache Annoan, Basic Hadoop Admi	nistration Proce	edures	To Hour.
Module – 3			
Business Intelligence Concepts and Application, Data Warehousing, Data 10 Hours			
Mining, Data Visualization Module – 4	* **		
		region (A. C.	
Decision Trees, Regression, Artificial Neural Networks, Cluster Analysis, 10 Hours			
Association Rule Mining Module – 5		•	
	:		
Text Mining, Naïve-Bayes Analysis, Support Vector Machines, Web Mining, 10 Hour Social Network Analysis			g, 10 Hours
Course outcomes: The students shoul			
Emplain the concepts of HDFS	and MapReduc	e framework	
 Investigate Hadoop related too Administration 			-
 Recognize the role of Busines decision making 	s Intelligence,	Data warehousing and Vi	sualization in
• Infer the importance of core dat	ta mining techn	iguas for data and di	
Compare and contrast different	Text Mining T	cohrigues for data analytics	
Question paper pattern:	TOAT WITHING I	conniques	
he question paper will have ten questi	ons		
here will be 2 questions from each mo	odule		
ach question will have questions cove	ring all the toni	ice under a modula	
he students will have to answer 5 full	questions selec	cting one full guartian C	
iodule	7-20110110, 30100	one run question from	n each

module. Text Books:

- Douglas Eadline, "Hadoop 2 Quick-Start Guide: Learn the Essentials of Big Data Computing in the Apache Hadoop 2 Ecosystem", 1st Edition, Pearson Education, 2016. ISBN-13: 978-9332570351
- Anil Maheshwari, "Data Analytics", 1st Edition, McGraw Hill Education, 2017. ISBN-13: 978-9352604180

Reference Books:

- 1) Tom White, "Hadoop: The Definitive Guide", 4th Edition, O'Reilly Media, 2015.ISBN-13: 978-9352130672
- 2) Boris Lublinsky, Kevin T.Smith, Alexey Yakubovich,"Professional Hadoop

Solutions", 1st Edition, Wrox Press, 2014ISBN-13: 978-8126551071

3) Eric Sammer, "Hadoop Operations: A Guide for Developers Administrators", 1st Edition, O'Reilly Media, 2012. ISBN-13: 978-9350239261

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