BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(An Autonomous Institute, Affiliated to VTU Belagavi)

DEPARTMENT OF MCA
(Accredited by NBA, New Delhi)

ASSIGNMENT, AUGUST 2023

Subject: Big Data Analytics   *Subject Code: 22MCA2052*   *Semester: II*

Max. Marks: 5 Marks   **Last Date for submission: 05.08.2023**   **Staff: Dr. P.Ganesh**

Instructions: 1. Answer ***all*** questions
         2. Answers should be precise.

Q. No	Question	CO	K - level
1	**Given the advancement in the field of Big Data, discuss at least 10 various job roles that are associated with Big Data Analytics.**	**CO1**	**K2**
2	**Discuss usage of Big Data in any 2 social welfare applications at present.**	**CO1**	**K3**
3	**As you are aware, India has "The Digital Personal Data Protection Bill, 2022". Bring out the importance of this bill given the challenges that data collection or data accumulation creates.**	**CO1**	**K3**
Course outcomes: At the end of this course students will be able to			
1	Identify the business problem for a given context and frame the objectives to solve it using data analytics tools.		
2	Differentiate various types of analytics algorithms and context of their application.		
3	Illustrate the architecture of HDFS and MapReduce.		
4	Explore Spark architecture and its language APIs.		
5	Write Hive queries against large datasets on clusters.		

K1 - Remember	**K2 - Understand**	**K3 - Apply**
K4 - Analyze	**K5 - Evaluate**	**K6 - Create**