



**SURESH
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UNIVERSITY
Accredited by NAAC with 'A' Grade

INTERNAL ASSIGNMENT - 1

Course	MCA	Essentials of Data Science
Semester	3	
Total Marks:	15	

Q.1. Write answers for any two questions from below. (5 marks each – Word limit – 500)

- A.** Elaborate Data Science in details.
- B.** Elaborate Statistics and Probability concepts in details.
- C.** What is simulation? List a few advantages and disadvantages of simulation.

Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)

- A.** Data Science and its importance
- B.** Define Probability
- C.** Explain Hypothesis testing
- D.** Bayes' Theorem
- E.** Verification & Validation



INTERNAL ASSIGNMENT - 2

Course	MCA	Essentials of Data Science
Semester	3	
Total Marks:	15	

Q.1. Write answers for any two questions from below. (5 marks each – Word limit – 500)

- A.** Explain Simulation Input and Output Data Analysis in details.
- B.** Elaborate Features of Data Exploration in details.
- C.** Discuss Data mining with respect to Data cleaning and transformation.

Q.2. Write short notes on all of the following topics (1 mark each - Word limit - 100)

- A.** Data mining
- B.** OLAP operations
- C.** Classification and Regression
- D.** Advantages and disadvantages of Machine learning
- E.** Define Vector and Matrix