

OBE BASED TEACHING LESSON PLAN - 2020-21

Program: **B.Com(Reg)**

Subject Name: **Business Statistics & Research Techniques**

Subject code: **C115AR204**

Semester: **II**

Lecture hours: **60**

Faculty in-charge: Ms. Sneha Rai, Mr. Dileep Kumar Shetty and Mr. Vinay Pradeep

Course Outcome No.	Course Outcomes	T level Indicator
CO1	Explain the relevance and role of statistics in business research.	T2
CO2	Choose the appropriate tool of measures of central tendency and dispersion in accordance with type of the case for Analysis.	T5
CO3	Identify from a probability scenario events that are simple, complementary, mutually exclusive, and independent.	T1
CO4	Choose the appropriate test of hypothesis in accordance with type of the case for Analysis.	T5
CO5	Choose the appropriate tools for Analysis in accordance with type of the case.	T5
CO6	Decide what graphs are appropriate for displaying quantitative and categorical variables.	T6

Module No. & Topics Covered	Course Outcome No.	No. of Lecture Hours	Pre-Class Activity	Instructional techniques	Assessment	T level
Module - 1 : Introduction to Statistics	CO1	5	Youtube video (NPTEL)	<ul style="list-style-type: none"> • Online Videos • Lecture • Discussion 	Evaluation through tests and asking questions in class	T2
Module-2: Measure of central tendency and dispersion	CO2	13	Youtube video	<ul style="list-style-type: none"> • Lecture • Case Study • Discussion • Problem solving 	Evaluation through tests and asking questions in class	T5
Module-3: Probability	CO3	12		<ul style="list-style-type: none"> • Lecture • Discussion • Problem solving 	Evaluation through tests and asking questions in class	T1
Module-4: Hypothesis testing	CO4	15		<ul style="list-style-type: none"> • Lecture • Case Study • Discussion • Problem solving 	Evaluation through tests and asking questions in class	T5
Module-5: Statistical tools for Research Analysis	CO5	10		<ul style="list-style-type: none"> • Lecture • Discussion • Case study • Problem solving 	Evaluation through tests and asking questions in class	T5

Module-6: Diagrammatic and graphical representation of data	CO6	5		<ul style="list-style-type: none"> • Lecture • Discussion • Problem solving 	Evaluation through Tests and asking questions in class	T6
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Continuous Internal Assessment

- Class test 1 : Last week of February
- Assignment : 2nd week of March
- Class test 2: 1st week of April

Book for Reference:

- *C. B. Gupta: Statistics, Himalaya Publications.*
- *Chikkodi& B. G. Satya Prasad: Business Statistics, Himalaya Publications.*
- *Dr. Asthana: Elements of Statistics, Chaitanya.*
- *Dr. B. N. Gupta: Statistics, SahityaBhavan, Agra.*
- *Dr. Sancheti& Kapoor: Statistics Theory, Methods and Application.*
- *Ellahance: Statistical Methods.*
- *S. P. Gupta: Statistical Methods, Sultan Chand, Delhi.*

Approved by: