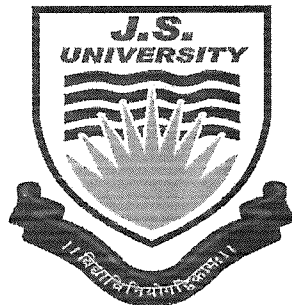


J.S. University, Shikohabad

Established by UP Govt. Act No. 07 of 2015

Recognized by U.G.C. under section 2 (f) of Act-1956




Value Added Course

(Statistical Reasoning in Research)

VAC-167

Faculty Of Commerce

	J.S. University, Shikohabad Faculty Of Commerce	Value Added Course
		AY: 2022-23

Statistical Reasoning in Research

Learning Objective :

This course plan intends to enable the students to understand and apply various statistical techniques in research. This course is designed to prepare students for the role of commerce professionals who can acquire and analyze information on social phenomena, and adapt and utilize that information in various tasks.

Duration: 30 Hours. (Theory and Practical)

Course Outcomes: -

Maximum Exposure has to be given on Practical Oriented

After completion of the course the student shall be able to:-

Co1 To understand the basics concepts of statistical reasoning.

Co2 To understand the factors that affect the statistical testing

Co3 To apply the theory to practical data analysis

Co4 To apply descriptive statistics and methods of exploring, organizing and presenting data

Co5 Use statistical methods in their future endeavors not only within the discipline, but in other disciplines as well.

	J.S. University, Shikohabad Faculty Of Commerce	Value Added Course
		AY: 2022-23

Syllabus Outline

1. Module-1

What is Hypothesis, testing, Chi Square test.

2. Module-2

Correlation: Meaning and Features, Rank Correlation

3. Module-3

Analysis of Variance: Technique, One way Classification , Two way Classification

4. Module-4

Index Numbers: Characteristics , Types and Methods

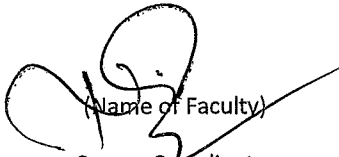
5. Module -5

Analysis of Time Series: Concept, Components , Significance

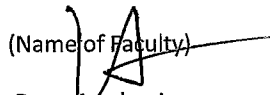
Measurement of Trend: Graphic Method, Least square method

References:-

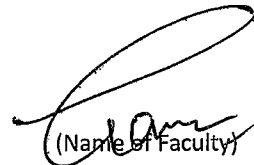
1. Statistical Methods for Research: A Step by Step 2018 by K. Kalyanaraman
2. Advance Educational Statistics by A A Ansari
3. Statistics, 4th Edition 4th Edition by David Freedman (Author), Robert Pisani (Author), Roger Purves (Author)


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Saxena


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Dean Academics

Dr. Akhilesh


(Name of Faculty)

Director/Principle/Dean of
Faculty/Department

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