Academic Year

2022-2023

Coordinators:

I. Kalyani, HOD

K. Raghavendra

K. Raveendra

P. Moulali



St. Joseph's Degree College, Sunkesula Road, Kurnool

Bridge Course On

"Fundamentals of Statistics"

Faculty Attended:

Mr. P.Moulali

Mr. K.Raveendra

Request Letter



DEPARTMENT OF STATISTICS

St. Joseph's Degree College Sunkesula Road, Kurnool-518004. www.sjcknl.edu.in (Affiliated to Rayalaseema University, Kurnool, A.P.)



Date: 21.11.2022

To Dr.C.V. Satyanarayana Coordinator SJCQAC St. Joseph's Degree College Sunkesula Road, Kurnool-4

Sub: Request to conduct a Bridge course - Reg.

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Respected Sir,

We, the Department of statistics wants to conduct a Bridge course on "Fundamentals of Statistics" for the first year students(2022-23). Kindly grant permission.

Kindly Oblige.

Yours Sincerely

I. Kalyani

I.Kalyani HOD Statistics Department St. Joseph's Degree College Sunkesula Road, Kurnool-4.

Copy to 1. Principal

<u>Gist</u>

A Bridge Course is designed to provide students with a solid foundation in the basic academic skills and knowledge they need to succeed in their college studies. A **bridge course** is a type of educational program that helps students transition from one educational level to another.

Statistics is an essential part of education. It helps in collecting, classifying, and tabulating all numerical facts. All the facts have a basis on comparison, description, and explanation. The education sector has multiple challenges concerning policy planning. With statistics, it helps in providing accurate information for better decisions.

All the discipline used in the education industry has a significant influence on learning. The importance of statistics in education is the same as in other fields like business, mathematics, and science.

The Bridge course was conducted for all the first-year students from 21st November 2022 to 07th December 2022.

The topics covered were

- 1. Introduction to Statistics
- 2. Graphical and Diagrammatic Representation of data
- 3. Measures of Central tendency

Syllabus for Bridge Course

Unit-1

Introduction of statistics: Meaning and Definitions of statistics, statements about statistics, statistical prospective, division and limitations, functions of statistics, Methods of data collections. Types of statistical data, statistical survey, questionnaire and schedule, kinds of statistical investigation.

Unit-2

Classification, Tabulation and Frequency Distribution: -- classification- introduction, meaning and objectives. Types with examples, frequency distributions- discrete and continues variable. Rules of classification. Formation of univariate and bi-variate frequency distribution. Meaning, parts of a table, Rules of tabulation, types of tables and drafting of tables. Diagrams- meaning, needs, general rules of construction and types. Graphs – construction and types comparisons of tables and diagrams, difference between diagrams and graphs.

Unit-3

Measures of Central Tendency: Mean, Median, Mode, Geometric Mean and Harmonic Mean. Median and Mode through graph. Other positional averages like Quartiles, Deciles, Percentiles and Octiles

Classes and Attendance

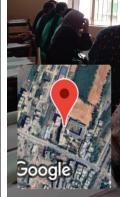
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2	P Moulali	I MSCS A	53

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