

V.V.Sanghas

**S K COLLEGE OF ARTS, COMMERCE AND SCIENCE,
TALIKOTI**

DEPARTMENT OF STATISTICS


Course: B.A/ B,com


Programme outcomes(PO's), Programme Special Outcomes(PSO's)

Course Outcomes(CO's)

2020-21


Head
Department of Statistics
S.K. COLLEGE OF ARTS & COMMERCE
TALIKOTI - 586214


IQAC Co-ordinator,
S. K. College of Arts, Comm. & Science, Talikoti. Dist:Vijayapur


PRINCIPAL
S. K. College of Arts, Comm, & Science
TALIKOTI-586214, Dist-Vijayapur

PROGRAMME OUTCOME :

PROGRAMME	OBJECTIVES
PO1: Understanding of fundamental knowledge	Definition, concept, Principles, Types, Diagram, Graphs, Analysis etc.
PO2: Experimental learning methods.	Collection , tabulation, classification , presentation, conclusions.
PO3: Opportunities	Higher Education, commutative exams, self business and job career.

PROGRAMME SPECIFIC OUTCOME :

PROGRAMME	OBJECTIVES
PSO1: Fundamental approach to Statistics	Definition, concept, probability, randomness, types, principles, distribution and properties.
PSO2: Development of Laboratory skills	Measures of central tendency, Measures of Dispersion, diagrams, charts, tables.
PSO3: Problems solving techniques	Hypothesis formula, classification, tabulation, test, statistics , inference.
PO4: Enhancement of skills through designs of experiment.	Analysis of variance, designs of experiment, factorial , experiments.
PO5: Data Analysis	Types of data, methods of data collection, sampling.
PO6: Case studies	z-test, Chi square test, t-test, F-test, Non parametric test
PO7: Ability to apply research and development.	Estimation, Demography, operation research, Research methodology.
PO8: Use of technology	MS Excel, R-Programming
PO9: Development of business skills.	Actuarial statistics, Statistical quality control, game theory.
P10: Self Employment.	Tutorials, Data Analysis.


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B.A I Semester (Basic Statistics-THEORY)

C01: Understanding the fundamental concepts of statistics.

C02: Diagrammatic and Graphical presentation.

C03: Evaluation of Measures of central tendency.

C04: Evaluation of Measures of Dispersion.

C05: Evaluation of Skewness and kurtosis.

B.A II Semester (Descriptive Statistics-THEORY)

C01: Student will learn about the index number.

C02: Student will learn about the concept of time series.

C03: Student will learn about the correlation.

C04: Student will learn about the Regression.

C05: Understand the concept of Association of attributes.


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B.A III Semester (Probability and Distribution-THEORY)

- C01: Student will learn about the theory of probability.**
- C02: Student will attain Knowledge about random variable and mathematical expectation.**
- C03: Student will learn about the Binomial Distribution.**
- C04: Student will learn about the Poisson Distribution.**
- C05: They will acquire the knowledge of Normal Distribution.**

B.A IV Semester (Probability and Distribution-THEORY)

- C01: Student will learn about the Sampling Distribution.**
- C02: Student will learn about the Method of Estimation.**
- C03: Student will learn about testing of Statistical Hypothesis.**
- C04: Student will learn about Chi-square Distribution.**
- C05: Student will learn t-test and F-test.**

B.A V Semester (Paper-1: Probability and Distribution-THEORY)

- C01: Student will understand Indian official Statistics.**
- C02: Student will get the knowledge Sampling theory.**
- C03: Student will learn about Simple random sampling.**
- C04: Student will learn about Systematic sampling.**
- C05: Student will learn Stratified random sampling.**

B.A V Semester(Paper-2: Population studies and industrial statistics-THEORY)

- C01: Students will understand National population census.**
- C02: Student will get the knowledge of census survey.**
- C03: Student will learn about population studies.**
- C04: Students will learn about the Measurement of fertility and mortality measures.**
- C05: Student will learn about the industrial statistics.**


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B.A VI Semester (Paper-1: Operation Research-THEORY)

- C01: Student will get the knowledge of linear programming problem.**
- C02: Student will learn the knowledge transportation problem.**
- C03: Student will learn about Assignment problem.**
- C04: Student will learn about the Game theory.**
- C05: Student will learn about the concept of replacement theory.**

B.A VI Semester (Paper-1: Operation Research-THEORY)

- C01: Student will get the knowledge of Analysis of variance one-way classification.**
- C02: Student will get the knowledge of two-way classification.**
- C03: Student will learn Design of Experiment Completely Randomized Design.**
- C04: Student will learn about the Randomized Block Design.**
- C05: Student will learn about the Latin Square Design.**


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**B.com III Semester (Paper-1: Quantitative Analysis for Business
Decisions-1-THEORY)**

- C01: Student will learn Quantitative analysis.
- C02: Student will learn about the Statistical quantitative techniques.
- C03: Student will learn Correlation and Regression analysis.
- C04: Student will learn about Time Series.
- C05; Student will learn Statistical quality control.

**B.com IV Semester (Paper-1: Quantitative Analysis for Business
Decisions-2-THEORY)**

- C01: Student will learn about Theoretical probability distribution.
- C02: Student will get Assignment problems.
- C03: Student will study the Transportation problems.
- C04: Student will study the Decision theory.
- C05: Student will learn Business Forecasting.


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