

- Make use of SQL Queries to store and retrieve data in a database.
- Create Cursors in a database.

Foundation Courses

2051ICT16: Computer Fundamentals and Office Tools (ICT-1) (FC-3)

After completing the course, the student will be able to,

- Understand the fundamental concepts of computers.
- Create, edit and print documents.
- Create and manipulate slides with outlines & notes and Design and create worksheets.

3051ICT15: Internet Fundamentals and Web Tools (ICT-2) (FC-5)

After completing the course, the student will be able to,

- Write well-structured professional emails.
- Understand the importance of communicating safely and respectfully online.
- Create web pages.

DEPARTMENT OF STATISTICS

1313SWM17 - Descriptive Statistics and Probability

After completing the course, the student will be able to –

- Know the objectives and definition of statistics
- Way of presentation of data
- Know the computational procedures of different basic statistical measures
- Understand the concepts of probability

2313SWM16 – Mathematical Expectation and Probability Distributions

After completing the course, the student will be able to –

- Know the concept of expected value of Random Variable
- Properties of various discrete and continuous probability distributions
- Fitting of various discrete and continuous probability distributions

3313SWM15: Statistical Methods

After completing the course, the student will be able to-

- Know the techniques of bivariate data
- Concept of Regression
- Analysis of attributes

4313 SWM15 : Theory of Estimation & Testing of Hypothesis

After completing the course, the student will be able to know–

- problem of estimation
- methods of estimation
- why testing problem
- various concepts of testing of hypothesis
- concept of sampling distributions
- procedures of non-parametric tests

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5313SWM15: Sampling Techniques and Design of Experiments

After completing the course, the student will be able to know-

- Complete census and Sampling survey
- Census
- techniques and their estimates
- Analysis of Variance
- experimentation
- Designs viz., CRD, RBD, LSD
- factorial experiments

The Concept of
Sampling (vs)
Various Sampling
The concept of
Principles of
Basic Statistical
The concept of

5323SWM15: Quality and Reliability

After completing the course, the student will be able to know-

- Quality and its measures
- attributes and variables
- reliability
- distribution as life model

The concept of
Control charts for
The concept of
Exponential

63SWM-VII A: Applied Statistics

After completing the course, the student will be able to know-

- the time series data
- Index Numbers

How to analyze
The concept of

- demographical rates
- Various

63SWM-VII B: Demography and Vital Statistics

After completing the course, the student will be able to know-

Meaning and objectives of Demography

- table
 - mortality and fertility
 - fecundity
 - its effect on population growth
 - for population growth
 - Reproductions
- Preparation of life
Different rates of
Fertility and
Reproduction and
Various measures
Gross and Net

63SWM-VII A1: Optimization Techniques

After completing the course, the student will be able to know-

- Optimization
 - Solution of LPP
 - Transportation Problem – Formulation and Solution
 - Assignment Problem – Formulation and Solution
- Objectives of
Formulation and
The
Th Cou e

63SWM-VII A2: Numerical Analysis

After completing the course, the student will be able to know-

- Finite Differences
 - operators and their internal relations
 - Backward interpolation formulae
 - Central Differences
 - unequal intervals
- The Concept of
Finite difference
Forward and
The Concept of
Interpolation in

B.A. (E.S.CA.):

The Course consists of three group subjects viz., Economics, Statistics and Computer Applications

1312SNM15/16: Elementary Mathematics

After completing the course, the student will be able to know-

- | | |
|---|--|
| <ul style="list-style-type: none"> ➤ permutations and combinations ➤ set theory and functions ➤ expressions using Binomial Theorem ➤ differentiation and integration ➤ | <ul style="list-style-type: none"> concept of The concepts of The Expansion of The concept of The Matrix Theory |
|---|--|

2312SNM15/16: Descriptive Statistics

After completing the course, the student will be able to know-

- | | |
|--|---|
| <ul style="list-style-type: none"> ➤ Objective and Limitations of Statistics ➤ – Preparation of questionnaire and schedule ➤ data through diagrams and graphs ➤ central tendency ➤ Dispersion | <ul style="list-style-type: none"> Definition, Scope, Collection of data Presentation of Measures of Measures of |
|--|---|

3312SNM-15: Statistical Methods-I

After completing the course, the student will be able to know-

- | | |
|---|---|
| <ul style="list-style-type: none"> ➤ Moments ➤ definitions of probability and their computational procedures ➤ Probability ➤ Interpolation and the process of interpolation | <ul style="list-style-type: none"> The Concept of Various Compound The Concept of |
|---|---|

4312SNM-15: Statistical Methods-II

After completing the course, the student will be able to know-

- | | |
|--|---|
| <ul style="list-style-type: none"> ➤ variate data | <ul style="list-style-type: none"> The concept of bi |
|--|---|

- correlation and regression
- curves

The concept of
Fitting of various

5312SNM15: Statistical Applications-I

After completing the course, the student will be able to know-

- estimation and methods of estimation
- testing of hypothesis
- distributions
- sample tests
- tests

The problem of
The concept of
Sampling
Large and Small
Non parametric

3522SNM15: Statistical Applications-II

After completing the course, the student will be able to know-

- demography and vital statistics
- of Mortality and fertility
- life table and its applications
- growth and its measurements
- Statistical Quality Control
- and Application of Control Charts

The concept of
Different rates
Preparation of
Population
The concept of
Construction

3523SNM15: Sampling Techniques

After completing the course, the student will be able to know-

- of sampling techniques
- Principles of sample survey
- sampling techniques and their estimates

Basic concepts
Different

63SNM-VII: Design of Experiments and Official Statistics

After completing the course, the student will be able to know-

- National Income and its computational procedure

The concept of

- Statistics Agricultural
- organization of NSSO and CSO Functions and
- Experimentation The concept of Analysis of Variance
- basic statistical designs viz., CRD, RBD and LSD Principles of Analysis of

63SNM A1: Testing of Hypothesis

After completing the course, the student will be able to know-

- of testing of hypothesis Basic concepts
- of Large and Small sample tests Organization
- Non-Parametric Tests Execution of

63SNM A2: Operations Research

After completing the course, the student will be able to know-

- Scope, Applications and Limitations of Operations Research Definition,
- and Solution of Linear Programming Problem Formulation
- Game Theory and its solution methods The concept of
- and solution of Assignment Problem Formulation
