DIPLOMA IN STATISTICAL ANALYSIS AND RESEARCH METHODOLOGY

SEMESTER II

SARM-8: RESEARCH PROJECT (DISSERTATION)

Max. Marks: 100

External: 100

Internal:00

Pass: 40%

Credits: 6

Course Outcomes (COs)

After completing this course, students will be able to:

CO1. Identify and formulate a relevant research problem with clear objectives and a rationale.

CO2. Conduct an extensive review of literature and develop an appropriate research design and methodology.

CO3. Collect, analyze, and interpret data using suitable quantitative or qualitative tools.

CO4. Apply ethical principles and maintain academic integrity throughout the research process.

CO5. Prepare a well-structured dissertation and effectively present research findings in written and oral forms.

Course Specific Outcomes (CSOs)

By the end of the course, students will specifically be able to:

CSO1. Demonstrate the ability to independently plan and execute a complete research study on a chosen topic.

CSO2. Develop research hypotheses and select appropriate data collection methods and statistical tools.

CSO3. Use software and analytical techniques (such as SPSS, Excel, or others) to process and interpret research data.

CSO4. Follow ethical research practices by avoiding plagiarism and ensuring the transparency and validity of results.

CSO5. Compile findings, conclusions, and recommendations in a professionally written dissertation and present them confidently during evaluation or viva voce.

Syllabi:

Students will undertake an independent research study to conduct independent research on a relevant statistical or socio-economic issue, or they can undertake a topic based on their area of interest, involving data (Primary or Secondary), analysis, interpretation, and report writing, followed by presentation and viva voce.

Pedagogy: The seminar report has to be submitted in the format below:

Each student is required to write a comprehensive report of 2500 – 3500 words describing the topic of interest.

It is mandatory to follow the guidelines.

A. ARRANGEMENT OF CONTENTS:

The sequence in which the seminar report is to be submitted:

- Cover Page & Title Page
    - Title of Paper
    - Student's Name, Roll No., Semester
    - Department and Institution Name
- Acknowledgement
- Abstract
- **Introduction**
    - Background, relevance, and objectives of the study
- Review of the related literature
- **Methodology**
    - Type of data (primary/secondary)
    - Data collection tools and sample size
    - Statistical tools used (mean, SD, correlation, etc.)
- Chapters

- **Data Analysis and Interpretation**
    - Tables, charts, graphs, and statistical computations
- **Findings and Conclusion**
- References

B. PAGE DIMENSION:

The dimension of the seminar report should be A4 size. The seminar report should be uploaded to the LMS.