

Semester	FOUR
Course	Skill (paper 2)
Paper Code	S2ST230421P
Paper Title	Data Collection and Analysis
No. of Credits	3
Theory/Composite/Practical	Practical
Minimum No. of preparatory hours per week a student has to devote	3
No. of Modules	One
Syllabus	<p>Unit 1: Introduction: Primary and secondary data. Experimental and survey data. Concepts of finite population and sample. Complete enumeration versus sampling. Sampling and non-sampling errors. Probability and non-probability sampling. Basic principles of sample survey. Sampling frame and methods of drawing a random sample. [18]</p> <p>Unit 2: Primary data handling: Setting the survey objective. Preparing schedule and converting schedule into questionnaire. Collection of primary data from the field of enquiry. Modes of data storage. Scrutiny of data. Visualisation of data using graphs and tables. Analysis of primary data using statistical tools. Report writing. [30]</p> <p>Unit 3: Secondary data handling: Present the official statistical system in India. Methods of collection of official statistics, their reliability, and limitations. Role of Ministry of Statistics and Program Implementation (MOSPI), Central Statistical Office (CSO), National Sample Survey Office (NSSO), and National Statistical Commission. Government of India's principal publications. Exploring different secondary databases. Analysis of secondary data using statistical tools. Report writing. [30]</p>
Learning Outcomes	<ul style="list-style-type: none"> ○ To understand concepts of primary and secondary data. ○ To frame simple research questions. ○ To develop well-designed questionnaires. ○ To collect and organize data. ○ To explore secondary databases. ○ To analyze primary and secondary data. ○ To write reports.
Reading/ Reference list	<ol style="list-style-type: none"> 1. The ultimate guide to effective data collection, Wolcott, H. 1995. The Art of Fieldwork. Alta Mira Press, Walnut Creek, C.A. 2. Guide to current Indian Official Statistics, Central Statistical Office, GOI, and New Delhi. http://mospi.nic.in/
Evaluation	Continuous Assessment: 50 End Sem: NA