Report: Add-on Course on "**Research Capacity Building**"

The PG Department of Commerce conducted a 30-hour add-on course titled "Research Capacity Building" aimed at providing a practical orientation for conducting research in the realm of commerce and equipping students to perform data analysis using IBM SPSS software. The session was conducted for 1st and 2nd Year M.Com. students (25 students) by alumni and research scholar, Mr. Marvin Sabu.

Date : October to March 2023-24

Resource Person: Mr. Marvin Sabu (Research scholar, The Cochin College)

The details of the sessions are provided in the table below:

Sessions	Key topics discussed	Classroom or practical engagement Duration
Preparatory sessions		
Research problem (concept introduction)	Variables-Research problem to research objectives (with real examples)	5 hours
Literature review (practical approach)	Tips to identify quality literature (especially journal articles)-Practical demonstration to search for literature from databases and practical demo on identification of variables.	2 hours
Hypothesis writing and Sample design	Hypothesis writing tips- very brief discussion on important research analysis (for primary data-based studies only)-Basic concepts of sampling-Types of sampling – practical ways to calculate sample size	3 hours
Questionnaire design and time series data collection demonstration	Questionnaire design tips-demonstration on how to collect secondary data from sites like NSE/BSE *Homework*- Prepare presentations for the research topic including the questionnaire or secondary data collected (for secondary data-based studies)	3 hours
Sampling and data analysis	Sampling methods- sample size calculation - descriptive statistics – inferential statistics	5 hours
SPSS Practical sessions		
Data coding and cleaning	data coding-finding missing values and duplicate cases- descriptive statistics	3 hours

Inferential statistics and doubt clarification	P-value concept- normality inspection-correlation-linear regression-Cron-Bach's Alpha reliability test- parametric tests and non-parametric tests	10 hours