

Course Content

1. **Research Methodology:**

An Overview, Literature Review, Writing Research Proposal, Questionnaire Design, Measurement scale, Sampling Design, Data Collection, Data analysis: Qualitative, Quantitative, writing research report.

2. **Excel:**

Menus, Creating Data file, Data cleaning, Detecting outlier, Computing data, Recoding Data, Merging data file, and Creating charts: line chart, pie chart, bar chart, scatter diagram etc, Central Tendency, Dispersion and pivot table, Hypothesis testing & Regression analysis.

3. **SPSS:**

Menus; Creating New datasets, Load Data, Merging Data, computing & recoding, Tabulating Survey Data, Basic Graphs, Quantitative and Qualitative Graphs, Measure of Central Tendency, Dispersion, Cross table & Correlation, Hypothesis Testing, ANOVA analysis, Simple and multiple Regression Analysis, post estimation, interpretation of result.

4. **Stata:**

Import, Load and Save Datasets, Creating New datasets, Log file & Do file, Data Cleaning, Descriptive statistics-Tabular and Graphical Analysis, Correlation, Hypothesis Testing, Simple and Multiple Linear Regression Analysis, Post Estimation,

5. **Writing Research Report:**

6. **Use of MS Word software in report writing**

Section Break, Table of content, Footnote, Referencing, Discussion about research output and writing report, Discussion about research output and writing report.

7. **Group Assignment:**

Research on specific topic.