SYLLABUS FOR BOARD OF STUDIES ADOPTION — generated from the live catalogue record

Research Methods and Data Analysis for Social Sciences

X-A4 · 3 days (configurable 1–5 days) · Arts & Humanities · Data & Analytics · Years: 2nd, 3rd, PG

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OVERVIEW

Students design a study, analyse survey data and report findings with statistical support.

Rigorous research and data skills separate strong social-science graduates; designing a study and analysing its data supports higher study and policy-facing roles.

HOURS AND CREDIT POSITION

Contact hours: 24 Guided project: 6 Self-study: 0 Notional total: 30

Credit claim: 1
30 notional hours ÷ 30 hours per credit (NSQF track, UGC Micro-credentials Guidelines §5.3.3) = 1 credits.

COURSE OUTCOMES

CO1. Design a research study for a stated question (K3)
CO2. Construct a survey instrument and sampling plan (K3)
CO3. Analyse survey data using descriptive and inferential statistics (K4)
CO4. Interpret qualitative data through thematic analysis (K4)
CO5. Produce a research report with evidenced findings (K5)

COURSE CONTENT — MODULES

Hours shown are the recommended format; module time scales proportionally when the engagement runs 1–5 days.

Module 1 — Research design (4h recommended)
Theory: Questions, hypotheses, methods
Lab: Design a study
Output: Study design

Module 2 — Sampling and instruments (4h recommended)
Theory: Sampling, questionnaire design
Lab: Build a survey instrument
Output: Questionnaire

Module 3 — Data collection and preparation (4h recommended)
Theory: Coding, cleaning
Lab: Prepare collected data
Output: Clean dataset

Module 4 — Quantitative analysis (4h recommended)
Theory: Descriptive and inferential statistics
Lab: Analyse survey data
Output: Quantitative analysis

Module 5 — Qualitative analysis (4h recommended)
Theory: Thematic analysis basics
Lab: Code qualitative responses
Output: Thematic analysis

Module 6 — Capstone (4h recommended)
Theory: A research report with findings
Lab: Write a research report
Output: Research report

ASSESSMENT SCHEME (100 MARKS)

Continuous exercises — 40 marks
Analytical report — 40 marks
Viva voce — 20 marks

CO–PO MAPPING

CO1 !’ PO3 (strength 2)
Study design is solution design.

CO2 !’ PO3 (strength 2)
Instrument construction is developed method.
CO3 !’ PO4 (strength 2)
Quantitative analysis is investigation.
CO4 !’ PO4 (strength 2)
Thematic analysis is investigation.
CO5 !’ PO10 (strength 2)
The research report is professional communication.

EVERY PARTICIPANT RECEIVES

- Certificate of completion
- Course material
- LMS access
- Interview question bank
- Mock interview & viva practice

FEE

¹700 per student, incl. GST
Excludes the optional nasscom assessment where offered. Final pricing on your college's quotation.

DESIGNED BY

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