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

Research Methodology and Publication Ethics

FDP-04 · 3 days (configurable 1–5 days) · Informatics · Applied Science

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OVERVIEW

From a research question to a manuscript a reputable journal will consider.

Departments publish under pressure and land in predatory journals. Method and venue selection are teachable, and they are what separates a citation from a waste of a year.

HOURS AND CREDIT POSITION

Contact hours: 18 Guided project: 6 Self-study: 6 Notional total: 30

Credit claim: none

Offered as a non-credit programme. The hours above are stated for transparency; the college may position it inside value-added / add-on frameworks at its discretion.

COURSE OUTCOMES

CO1. Formulate a research question that is specific, testable and feasible (K6)
CO2. Select a method appropriate to the question and justify the choice (K5)
CO3. Critique the method of a published paper and identify its threats to validity (K5)
CO4. Structure a manuscript to the conventions its target venue expects (K3)
CO5. Screen a candidate journal for predatory practice and record the evidence (K4)

COURSE CONTENT — MODULES

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

Module 1 — Framing a research question (6h recommended)
Theory: Gap analysis, scope, hypothesis, feasibility
Lab: Refine your own question to a testable form
Output: Stated research question and scope

Module 2 — Method and evidence (6h recommended)
Theory: Design, sampling, controls, validity, statistical honesty
Lab: Critique a published method
Output: Written method critique

Module 3 — Writing and venue (6h recommended)
Theory: Structure, citation discipline, similarity, Scopus and UGC-CARE, predatory signals
Lab: Screen three candidate journals
Output: Venue shortlist with reasoning

ASSESSMENT SCHEME (100 MARKS)

Research question and scope — 30 marks
Method critique — 35 marks
Venue shortlist with reasoning — 35 marks

CO–PO MAPPING

CO1 !’ PO4 (strength 3)
Framing a testable question is the investigation outcome.

CO2 !’ PO4 (strength 3)
Method selection with justification is research design.

CO3 !’ PO2 (strength 2)
Critiquing a published method is problem analysis applied to others' work.

CO4 !’ PO10 (strength 3)
Manuscript structure is technical communication for a specialist reader.

CO5 !’ PO8 (strength 3)
Screening for predatory practice is the publication-ethics outcome.

EVERY PARTICIPANT RECEIVES

- Certificate of completion
- Course material
- LMS access

FEE

On your college's quotation
Excludes the optional nasscom assessment where offered. Final pricing on your college's quotation.

DESIGNED BY

Venkat Kurela — Founder, Kurela Cognisive Pvt Ltd