SES's L.S. RAHEJA COLLEGE OF ARTS AND COMMERCE (AUTONOMOUS)

Syllabus of Practical in Cognitive Processes under NEP 2020 vertical (Major) with effect from 2024-25

Department of Psychology

HoD/Sr. Person of the Department: Neha Dalal

Date of approval by the BoS: 27/04/2024

Approved by the Academic Council on: 29/04/2024

Ratified by the Governing Body on: 06/05/2024

Programme: Master of Arts				Semester: I	
Course: Practical in Cognitive Processes **Academic Year: 2024-2025 Batch: 2024-2026**				**Code: PGMAIMJ424**	
Teaching Scheme			**Evaluation Scheme**		
Lectures	**Practical**	**Tutorials**	**Credits**	**Internal Continuous Assessment (ICA) (weightage)**	**Term End Examinations (TEE) (weightage)**
-	60	-	2	20	30

Particulars	Marks
Self-designed experiment (content and method) and Computerization of the experiment	10
Report of 3 experiments conducted	5
Experimental Journal: Journal contains a type-written individual report along with review of literature, methodology in APA format	5

Learning Objectives:	1. To give students the ability to create experiments in a variety of topics in cognitive Psychology 2. To assist students in creating computer Programmes that are suitable for the experiments 3. To give students the ability to evaluate and present experiment findings
Learning Outcomes:	1. Create experiments, and comprehensive reports documenting the entire experimental process, data analysis, and findings. 2. Evaluate and identify appropriate open-source Programmes for computerizing experiments based on their features and user-friendliness.
Pedagogy:	Lecture, practical and demonstration

Three experiments will be made on the following topics

1. **Perception and attention**
2. **Short-term and long-term memory**
3. **Decision-making, problem solving and reasoning**

Module	Module Content	Module Wise Pedagogy Used	Module Wise Duration
I	**Experimental Designing and Computerizing:** Three groups of 8 students will be formed. Every group must decide on a topic by majority. Every student must	Lecture, practical and demonstration	30

	create an experiment related to the topic the group decided on. In class, the student will present the experiment. One experiment is chosen from among them to be the group experiment. Three experiments are obtained in this manner. For computerizing experiments, each student must become proficient in one open-source Programme (such as PEBL, Open Sesame, etc.).		
II	**Experiment Conduction, Data analysis, and report writing:** The selected three experiments will be conducted by the students. Data collected will be analyzed and report will be written for the same	Lecture, practical and demonstration	30

REFERENCES

American Psychological Association. (2020). Publication manual of the American Psychological Association (7th ed.). American Psychological Association.

Bem, D. J. (2019). Writing the empirical journal article. In H. Cooper, L. V. Hedges, & J. C. Valentine (Eds.), The handbook of research synthesis and meta-analysis (2nd ed., pp. 111-123). Russell Sage Foundation.

Sternberg, R. J. (2003). The psychologist's companion: A guide to scientific writing for students and researchers (4th ed.). Cambridge University Press.

Licht, C. M., & Licht, B. G. (2016). Writing the empirical journal article. In R. J. Sternberg (Ed.), The essential guide to writing research papers (pp. 129-150). Routledge.

External exam

1. **Instructions and conduct: 10 marks**
2. **Report: 8 marks**
3. **Viva Voce: 12 marks**