

As Per NEP 2020

University of Mumbai



NEP-2020

Syllabus for Basket of Open Elective (OE) Vertical 3

Faculty of Humanities

Board of Studies in Psychology

UG Second Year Programme

Semester

I

Title of Paper

Credits

Psychology and Artificial Intelligence

2

From the Academic Year

2025-26

Sr. No.	Heading	Particulars
1	Description the course:	The course contains various components of Psychology of Artificial Intelligence , for the Open Elective (OE) students. This course explores the intersection of psychology and artificial intelligence, focusing on how AI systems interact with, influence, and are shaped by human cognition and behaviour. The course examines the psychological dimensions of human-machine interaction, including cognition, emotion recognition, trust, and identity. It also addresses ethical challenges and the future role of AI in psychological contexts, covering topics such as algorithmic bias, AI-driven therapy, and the responsibilities of psychologists in AI development. The course aims to foster critical thinking about the implications of AI in human-centred domains.
2	Vertical:	Major/Minor/Open Elective/Skill Enhancement/Ability Enhancement/Indian Knowledge System (Choose By ✓)
3	Type:	Theory
4	Credit:	2 credits (1 credit = 15 Hours for Theory or 30 Hours of Practical work in a semester)
5	Hours Allotted:	30 Hours
6	Marks Allotted:	50 Marks
7	Course Objectives:	1. To analyse the cognitive and emotional dynamics of human interaction with artificial intelligence systems. 2. To evaluate ethical and psychological implications of integrating AI technologies into mental health and therapeutic practices.
8	Course Outcomes: After completing this course, students will able to ...	1. Students will be able to critically assess the impact of AI on human cognition, identity, and behaviour. 2. Students will demonstrate an understanding of ethical challenges in AI design and application, particularly in psychological and therapeutic contexts.
9	Modules:- Per credit One module	
	Module 1: Human Mind and Machine Intelligence	
		1. Introduction to AI and Human Cognition 2. Emotional AI: Can Machines Understand Feelings? 3. Human-AI Interaction: Trust, Dependency, and Bias 4. Psychological Impacts of AI: Identity, Agency, and Autonomy
	Module 2: Ethics and Future of AI in Psychology	
		1. Machine Learning and Human Judgment 2. Algorithmic Bias and Discrimination in AI Systems

	3. AI in Therapy: Chatbots and Virtual Therapists 4. Ethical Concerns and the Role of Psychologists in AI Development																
10	Text Books: 1. Marcus, G. and Davis, E. (2019). Rebooting AI: Building Artificial Intelligence We Can Trust. Vintage.																
11	Reference Books: Prescott, T. (1st Edition, 2025). The Psychology of Artificial Intelligence. Routledge.																
12	Internal Continuous Assessment: 40%	External, Semester End Examination: 60% Individual Passing in Internal and External Examination: 40%															
13	Continuous Evaluation through:	Continuous Internal Evaluation (CIE) Marks: 20 a) Question Paper Pattern for Class Test Examination (10 Marks) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Question No.</th><th style="width: 65%;">Particular</th><th style="width: 20%;">Marks</th></tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td><td>Fill in the Blanks/ match pairs/ MCQ/True False (All are compulsory)</td><td style="text-align: center;">5</td></tr> <tr> <td style="text-align: center;">2</td><td>Short Notes (Any <u>one</u> out of three)</td><td style="text-align: center;">5</td></tr> </tbody> </table> b) Completion of following activities as a part of CIE (10 Marks) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sr. No.</th><th style="width: 70%;">Particular</th><th style="width: 20%;">Marks</th></tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td><td>Classroom Presentations/ Assignments /Movie Review / Essay Submission/ Book review/ Field Visit Report / Educational Activity Report</td><td style="text-align: center;">10</td></tr> </tbody> </table>	Question No.	Particular	Marks	1	Fill in the Blanks/ match pairs/ MCQ/True False (All are compulsory)	5	2	Short Notes (Any <u>one</u> out of three)	5	Sr. No.	Particular	Marks	1	Classroom Presentations/ Assignments /Movie Review / Essay Submission/ Book review/ Field Visit Report / Educational Activity Report	10
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14	Format of Question Paper: for the final examination External / Semester End Examination Marks: 30 Q.1 Fill in the blanks (Based on all units). Marks 10 Q.2 Essay Type Questions (Attempt Any One out of two Based on Unit I). Marks 10 Q.3 Short Notes/Problem (Attempt Any Two out of Four Based on Unit II). Marks 10																

Sd /- Sign of the BOS Chairman Prof. Dr. Vivek Belhekar Board of Studies in Psychology	Sd/- Sign of the Offg. Associate Dean Dr. Suchitra Naik Faculty of Humanities	Sd/- Sign of the Offg. Associate Dean Prof. Manisha Karne Faculty of Humanities	Sd/- Sign of the Offg. Dean Prof. Anil Singh Faculty of Humanities
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