



M.Sc. Cognitive Science

Placement
Brochure
2025-26

Indian Institute of Technology
Delhi

About Us

What is Cognitive Science?

Cognitive science is the interdisciplinary study of the mind and brain. It explores how we think, learn, and perceive, which generates insights and effective strategies crucial for building more intuitive products, and smarter systems. This field integrates concepts and methods from computer science, psychology, neuroscience, linguistics, philosophy, and anthropology.

This interdisciplinary perspective enables students to develop scientific understanding that is required for solving complex challenges in the modern world across technology design, data analysis, strategic management, and human performance optimization.

Program Highlights:

Interdisciplinary Nature: Students come from diverse backgrounds like engineering, sciences, and humanities. This diversity enriches the learning environment and facilitates peer-to-peer learning and teamwork.

Problem Solving for Real-World Challenges: The curriculum equips students with skills to tackle real-world challenges in domains such as healthcare, education, marketing, natural language processing, etc.

Advanced Research and Data Skills: Our research-intensive program equips students with advanced skills in qualitative, quantitative, and experimental data collection and analysis, computational modelling and machine learning, preparing them for data-driven roles.

STUDENTS



Akanksha Rajpati

B.Sc (Hons.) in Zoology

Project title: Linguistic Markers for Detecting Deception in Hindi Text and Speech

Research Areas: Psycholinguistics



Brishti Bhattacharya

B.Sc (Hons.) in Biochemistry

Project title: Losing control : If Epilepsy Affect Brain's Ability to Control and Adapt

Research Areas: Cognitive Neuroscience, Cognitive Control, Epilepsy



Bristi Saha

B.Sc (Hons.) in Microbiology

Project title: Determinants of Reading in Bangla

Research Areas: Psycholinguistics, Cognitive Neuroscience, EEG, Eye-Tracking

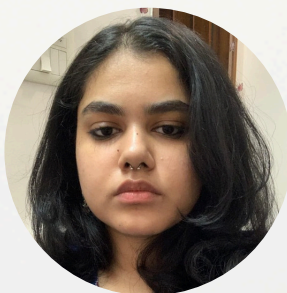


Darshini N

B.Sc in Psychology

Project title: AI mistakes: Errors in computer vision, philosophy of errors, epistemology of errors, comparing human and computer mistakes

Research Areas: Artificial Intelligence, Philosophy



Dolly Phullay

B.A (Hons.) in Psychology

Project title: Exploring AI Misclassification with Adversarial Images: From Fooling to Natural Adversarial Examples

Research Areas: Artificial Intelligence, Philosophy



Kanishka Jaiswal

B.A (Hons.) in Psychology

Project title: The Impact of Unexpected Auditory Tones on Lexical Recall and Motor Control: A Picture-Word Interference and Go/No Go Task Study.

Research Areas: Linguistics, Cognitive Neuroscience, Motor Inhibition, Cognitive Psychology, Experimental Psychology

STUDENTS



Karuna Kumari Sah

B.Sc (Hons.) in Biomedical Science

Project title: Determinants of Reading in Hindi

Research Areas: Psycholinguistics, Linguistics



Mansi Sahu

B.E. in Electrical Engineering

Project title: Computationally Modeling the effects of Mind Wandering on Response Inhibition

Research Areas: Computational Neuroscience, Attention, Response Inhibition (DDM), Mind wandering



Naman Payasi

B.Sc (Hons.) in Psychology

Project title: Predicting Non-Attentional Mental States Through Eye Tracking

Research Areas: Machine Learning, Eye Tracking, Attention, Mind Wandering, Mind Blanking



Rashmi Ijari

B.A in Psychology

Project title: How do we stop? An Investigation of Global and Selective Response Inhibition Mechanisms

Research Areas: Cognitive Neuroscience, Computational Modelling, Response Inhibition



Sarmi Ghosh

B.Sc (Hons.) in Microbiology

Project title: Effect of Perceptual Salience and Event Codability on Sentence Production in Bangla

Research Areas: Psycholinguistics



Sayak Mandal

B.Sc (Hons.) in Microbiology

Project title: Analysis of Neuronal Cell Connectivity Under Normal and Stressed conditions using graph theory methods

Research Areas: Computational Neuroscience, Image Processing, Machine Learning, Graph Theory & Network Analysis, Neuroinformatics .

STUDENTS



Sanjana

B.A (Hons.) in Applied Psychology

Project title: Temporal Synchronization
Analysis of Neural Activity during Narrative

Research Areas: Computational
Neuroscience, Neuroimaging



Steve Ray

B. A. (Hons) in Psychology

Project title: Breathe Better: How can we
persuade Delhi Citizens to act against Air
Pollution?

Research Areas: Cognitive Biases,
Persuasion, Threat Perception, Attitudes



Uzma Junaid

B. A. (Hons) in English

Project title: To Study the Determinants of
Reading through Urdu

Research Areas: Psycholinguistics,
Phonology, Syntax, Acoustic Phonetics,
Linguistics



Vanshika Talus

B.A (Hons.) in Psychology

Project title: Computational Modeling of
Human Agency

Research Areas: Artificial Intelligence,
Philosophy, Computational modeling,
Machine Learning

DOMAINS OF EXPERTISE

Behavioural Science

Scientific study of
human behaviour

Data Science &

Time Series Analysis

Finding patterns in complex
data

Human-Centered AI & Computation

AI designed for
human needs

Language Processing in Humans & Machines

How humans and machines
use language

User Experience & Human Centered Design

Designing technology around
people

Educational Technology

Technology grounded in
learning science

TECHNICAL SKILLS

Study Design

Data Collection

Data Visualization

Statistical &
Computational
Modeling

Machine Learning &
Predictive Modeling

Signal Processing

NLP

User Behavioural
Research

Usability Testing

Master of Cognitive Science

The objective of the program is to develop skilled researchers and professionals who can apply cognitive science to real-world domains such as human-AI interaction, education, language and communication, design, healthcare, and decision-making. With its rigorous curriculum and research-driven approach, the MSc equips students to contribute to cutting-edge scientific inquiry or pursue impactful careers across industry, academia, and applied cognitive research.

Our Programme

CORE COURSES

Foundations of the Mind

- Cognitive Neuroscience
- Philosophy of Mind and Cognition
- Cognitive Processes: From Labs to Fields
- Language in the Mind

Research & Academic Skills

- Workshop on Scientific Writing
- Mini Project in Cognitive Science
- Cognitive Science Project I & II
- Cognitive Science Lecture Series I & II

Computation & Methods

- Basics of Programming for Cognitive Science
- Computation and Cognition
- Mathematical Foundations for Cognitive Science
- Research Methods in Cognitive Science
- Language Computations and Mental Architecture

PROGRAM ELECTIVES

- + Advanced Computational Methods
- + Advanced Experimental Methods
- + Judgment and Decision Making
- + Psycholinguistics
- + Cognitive Psychology
- + Transformational Theories of Language
- + Advanced Data Analysis for Behavioral Research using R
- + Advanced Qualitative Methods

Selected Open Electives

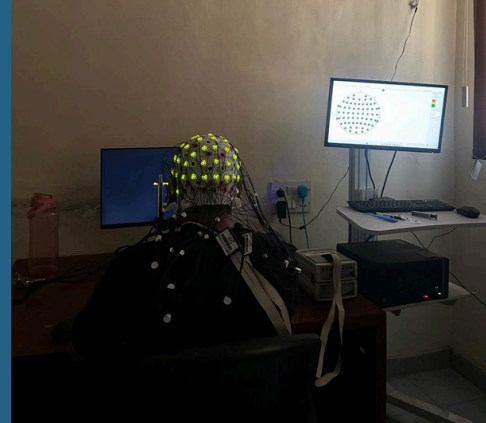
- + Advanced Functional Brain Imaging
- + Computational Neuroscience
- + Design for Usability
- + Design for User Experience
- + Natural Language Understanding

Research Facilities



Desktop Mounted Eye Tracker (Eyelink 1000 Plus)

Essential for psychology and marketing research, this tool tracks eye movements to analyze consumer behavior, user experience design, and cognitive processing. #Behavior #Design #Marketing



128 Channel EEG System (ActiChamps System)

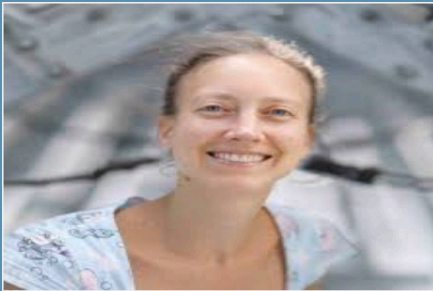
Used in neuroscience and cognitive psychology, this system maps brain activity in high resolution, aiding in studies of brain disorders, cognitive functions, and neurodevelopmental research. #Behavior #Designs



16 Channel Wireless EMG System (Biopac System)

Crucial in sports science, physiotherapy, and neurology, this advanced system provides detailed analysis of muscle activity, aiding in injury recovery, ergonomic assessments, and neuromuscular disorder research. #Behavior #Designs #Marketing

Lecture Series and Journal Club



Sept. 18, 2025, 1 p.m. Prof. Marieke van Vugt

Cognitive Science Lecture Series

Catching rumination in the wild: a mind-wandering- based approach to understanding ruminative thinking



Sept. 24, 2025, 11 a.m. Therese Liam Tom

Cognitive Science Journal Club – Music and Language



Sept. 25, 2025, 1 p.m. Prof. Kranti Saran

Cognitive Science Lecture Series

Rethinking the distinction between top-down and bottom-up attention



Feb. 20, 2026, 5 p.m. Dr. Ganesh Bagler

Cognitive Science Lecture Series

Computational Gastronomy: Blending Food with Artificial Intelligence



Oct 8, 2026, 2:30 p.m. Dr. Sakshi Bhatia

Cognitive Science Lecture Series

Agreement Processing: The view from mixed agreement languages



Sep 20, 2026, 2:30 p.m. Dr. Brian Dillon

BRAIN AND COGNITIVE SCIENCES COLLOQUIUM

Evaluating expectation-based language comprehension with the Syntactic Ambiguity Processing benchmark

Past Recruiters



Prospective Roles:

- Behavioral Economist
- Market Research Analyst
- Data Scientist
- Time Series Analyst
- Machine Learning Engineer
- Explainable AI Scientist
- AI Modeler
- Computational Cognitive Scientist
- NLP Engineer (Computational Linguist)
- Psycholinguistics Researcher
- UX Researcher
- Human Factors Engineer,
- Interaction Designer
- Curriculum Designer
- Product Manager

FACULTY



Ashwini Vaidya

Assistant Professor

Research Areas : Computational Modeling, Lexical Semantics



Atanendu Sekhar Mandal

Professor of Practice

Research Areas : Perception & Action, Human Tech interface



Deepak Alok

Assistant Professor

Research Areas : Generative Syntax and its interfaces with Semantics and Pragmatics, Natural language processing



Don Dcruz

Assistant Professor

Research Areas : Perception & Action, Judgement, Human Tech interface

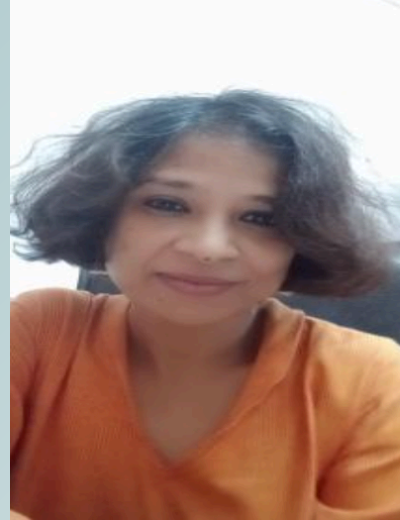
FACULTY



Paroma Sanyal

Associate Professor

Research Areas : Optimality Theory, Harmonic Grammar, Distributed Morphology



Pritha Chandra

Professor

Research Areas : Theoretical Linguistics, Language Variation, Modularity and Mental Constraints, Biolinguistics



Purnima Singh

Professor

Research Areas : Group Processes, Justice, Identity, and Intergroup Relations in Organizational and Social contexts



Samar Husain

Associate Professor

Research Areas : Human sentence processing, Natural Language modeling, Natural Language parsing, Dependency Grammars

FACULTY



Sumeet Agarwal

Associate Professor

Research Areas : Computational decision-making, AI systems and models



Shilpi Minocha

Assistant Professor

Research Areas : Development, Regeneration, Repair



Sumitash Jana

Assistant Professor

Research Areas : Inhibitory control, Mind-wandering, Eye-Hand coordination



Sumitava Mukherjee

Assistant Professor

Research Areas : Behavioral Economics, Judgment biases, Decision process

FACULTY



Varsha Singh

Professor

Research Areas : Sensation-perception, Modality, Mental imagery-action, Motor & inhibitory Control



Yashpal Jogdand

Associate Professor

Research Areas : Group Processes and Intergroup relations (Intergroup humiliation), Prejudice, Leadership, Caste

HEAD OF THE DEPARTMENT



Abhijit Banerji

Professor

Research Areas : Applied Micro and IO, Agricultural Economics, and Experimental and Behavioural economics.

Contact Us



<https://cogsci.iitd.ac.in/>



[linkedin.com/in/iit-delhi-cognitive-science-885738386](https://www.linkedin.com/in/iit-delhi-cognitive-science-885738386)



[Instagram](#)

Faculty Coordinator:

Dr. Paroma Sanyal

Dr. Deepak Alok

Placement Coordinator:

Dr. Sumitash Jana

Postal Address:

Indian Institute of Technology Delhi,
Hauz Khas, New Delhi, Delhi -
110016

Scan to visit
our website

