

Venue: Ishwar Topa Building, University of Allahabad

09:30 - 10:30 Keynote 1

Chair: Narayanan Srinivasan

Chandan J Vaidya (Georgetown University, USA): Adaptive Functioning in Neurodevelopmental Disorders: Role of Executive Function and Learning

10:30 - 11:00 Inaugural Session

11:00 - 11:30 Tea Break

11:30 - 13:00 Oral Session 1: Executive Control

Chair: Srikanth Padmala

Aswini Madhira (University of Hyderabad) - Reactive, Not Proactive Suppression: Eye-Tracking Evidence for Attentional Control Strategy during Visual Search

Noel Tomy (CBCS) - Quasi-Periodic BOLD Patterns as Person-Specific Predictors of Sustained Attention Fluctuations

Adrija Chatterjee (IIT Kanpur) - Disentangling the Ego- versus Allo-centric navigation switching performance, and relating to Cortical Energy resource in Mild Cognitively Impaired Patients

Amora Tawar (University of Hyderabad) - Partner's L2 proficiency modulates Executive Control in a Joint Task

13:00 - 14:00 Lunch

14:00 - 15:30 Oral Session 2: Language Processing

Chair: Samar Hussain

Pallab Basu (IIT Delhi) - Syntactic Expectations in Bengali: Probing Filler-Gap Dependencies Using BERT

Gauri Gunjyal (IIT Gandhinagar) - Processing of Emotional Expressions in Hindi L1 and English L2 Bilinguals

Madhavilatha Maganti (Krea University) - Body Parts and Early-Learned Verbs: Lexico-Semantic Networks in the Telugu and Hindi contexts

Prabhjapan Kaur (IIT Ropar) - Processing of gender-neutral forenames in Punjabi

15:30 - 15:45 Tea Break

15:45 - 16:45 Keynote 2

Chair: Bapi Raju

Bharat Biswal (New Jersey Institute of Technology, USA): Toward Brain Connectomics: Examining Brain Connectivity During Rest and Movie Watching

16:45 - 18:15 Poster Session 1

18:15 - 19:15 GB Meeting

Poster Session 1

Age-related Differences in Loss Aversion: A Meta-analysis	Mehak Gupta (IIT Delhi)
Modulation of reward prediction errors by negative emotion	Lipika Taneja (IISc Bangalore)
Affective cognitive crosstalk in dual-tasking and the domain specific limits of motivational control	Prankur Saxena (Indian Institute of Science)
The Spillover Effect of Emotional Words and Context on Sentence Processing: A Self-Paced Reading Study	Aarushi Srivastava (IIT Bhubaneswar)
Does bimanual haptic exploration reveal information for length and weight judgment?	Balagopal Raveendranath (Texas Tech University)
Exogenous covert attention does not influence gradedness of visual awareness	Suraj Kumar (IIT Kanpur)
Exploring Visual Working Memory Limits: Trends in Eccentricity and Set Size Effects	Parvathi Vijayan (KREA University)
Impact of motor learning on functional mobility after stroke	Chetna Sharma (IIT Gandhinagar)
Seeing yourself in Others: Attentional Prioritization accompanies Enfacement Illusion	Ananya Singh (IIT Kanpur)
How far as AI come in mimicking human Theory of Mind?	Bhoomika Kalghatgi (Ramaiyah University of Applied Sciences)
Effects of Gradual Perceptual Load on Visual Attention: Role of Individual Cognitive Traits.	Bhumika M (Christ University)
Impact of White Matter Hyperintensity in Caudate and Frontal Horn Distance mediated by Lateral Ventricle Enlargement	Rittika Dutta (IISER Berhampur)
Effects of Vipassana meditation on compassion	R Pooja (IIIT Hyderabad)
Emotionally Valenced Facial Cues Modulate Visual Sensory Evidence Accumulation in the Human Brain	Navya Lall (Indraprastha Institute of Information Technology)
Faces of Joy: An Unbroken Link in Alzheimer's: A Comparative Study of Facial Emotion Processing in Alzheimer's, MCI & Healthy Aging	Rajesh PG (SCTIMST)
Outcome of CST in Rehabilitating an Elder with Mixed Dementia in an In-Patient Care Unit: A Case Study	Varshinee Krishnan (The Dementia Care Foundation)
Performance Instability and Internal Bias in Perceptual Choice: A Nonlinear Dynamics Approach	Srajal Bajpai (IIT ISM Dhanbad)
The Effect of Vibroacoustic Stimulation and Music Listening on Relaxation in Healthy Adults	Nandhini Natarajan (University of Jyväskylä)
Same-same, but different: Perceptual diversity is shaped by a shared phenomenal structure	Ishan Singhal (University of Sussex)

Poster Session 1

On the interplay of object case marking, object animacy and verb type during the comprehension of transitive sentences in Malayalam: ERP evidence from Differential object marking violations.	Shalu S (IIT Ropar)
Multimodal Neural Signal Analysis for Brain-Computer Interface Development Using EEG and fNIRS	Ruchi Singh (IIT Gandhinagar)
Localizing Memory Errors Around a Salient Stimulus	Aavya Kedia (KREA University)
The Impact of Post-Stroke Cognitive Impairment on Intraindividual Variability in Processing Speed	Chinmoyee Das (IIT Gandhinagar)
Temporal Distortions Associated with Object Affordance in Peri-Hand Space	Ankit Maurya (IIT Roorkee)
Pre and post temporal context effects on temporal integration windows	Ramya Mudumba (IIT Kanpur)

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09:00 - 10:00 **Keynote 3**

Chair: Nandini Chatterjee Singh

M Rosario Rueda (University of Granada, Spain): Developing the Attentive Brain: Early foundations of Executive Attention Development

10:00 - 10:45 **Oral Session 3: Cognitive Development**

Chair: Rashmi Gupta

Tripti Verma (CBCS) - Feedback and Reward Facilitate Shifts Between Cognitive Control Modes in Children

Kundal Kohli (CBCS) - Investigating the relationship between Meta-control and Creative Thinking in Children

10:45 - 11:15 **Tea Break**

11:15 - 12:45 **Oral Session 4: Inhibition**

Chair: Devpriya Kumar

Lalchhandama (IIT Delhi) - Stop or not: Do we have conscious access to the decision to stop?

Indrajeet Indrajeet (Edmond and Lily Safra Center for Brain Sciences) - Automatic Pause and Deliberate Stop mechanisms in the Basal Ganglia

Chahak Sanduja (IIT Kanpur) - A Pause is sufficient for Stopping: Evidence from Computational Modelling of stop/continue Signal task

Ishita Singh (IIIT Delhi) - Emotional Facial Cues modulate Visual Distractor Suppression

12:45 - 13:45 **Lunch**

13:45 - 14:45 **Oral Session 5: Memory**

Chair: Shiv Kumar Sharma

Dipti Singh (IIT Roorkee) - Investigating the direct effects of Directed Forgetting on Emotional Associations

Sujatha Ramesh (IIM Indore) - Traditional vs. AI Cognitive Offloading: A Pilot Study of the Effects on Text Comprehension and Retention

Raju Pooja (IIIT Hyderabad) - Role of Familiarity on Event Transitions and Temporal Structure of Memory

14:45 - 16:00 **Panel Discussion on Gaming and Cognition**

Nandini Chatterjee Singh (Ashoka University), **Veeky Baths** (Cognitive Neuroscience Lab, BITS Pilani Goa Campus), **Shraddha Rawat** (Learning Designers Community)

16:00 - 16:15 **Tea Break**

16:15 - 17:45 **Poster Session 2**

19:30 onwards

Conference Dinner

Hotel Yatrik Lawns

Poster Session 2

A Semantically-Grounded Attention-to-Thoughts (A2T) Model with Variable Scope of Attention	Pratyush Arya (IIT Kanpur)
Implicitness of the Contextual Cueing Effect Differentially Affected by Feature-type	Ananya Mishra (IIT Roorkee)
Error Desensitization as a Source for Attenuated Relearning in Visuomotor Adaptation	Ajay Kumar Sahu (IIT Gandhinagar)
Patients with epilepsy have increased spontaneous mind wandering and poorer response inhibition during mind-wandering	Neha Priya Shrivastava (AIIMS New Delhi)
Error Size Determines the Engagement of Distinct Learning Strategies in Task-Error-Driven Motor Learning	Sinchana Vaasanthi (IIT Gandhinagar)
The Role of Design Aesthetic, Design Source, and Product Category in Shaping Consumer Preferences and Brand Loyalty	Adrija Kundu (National Forensic Sciences University)
Separating out Distractor Suppression from Attentional Guidance using Predictability of Feature and Location	Hannah Jaison (IIT Gandhinagar)
Investigating Subtype-Specific Neuroplastic Changes through White Matter tractography in Parkinson's Disease	Poulami Kar (CBCS)
The effect of statistical learning-induced predictions on memory performance	Simra Abbas (CBCS)
Effect of Retention Interval on Mnemonic Processing in the Mnemonic Similarity Task	Atharva Gogate (IIIT Hyderabad)
Impact of Vedic chanting on working memory: A VBM study	Shashwat Mani (CBCS)
Long-term meditators have lower mind-wandering and improved response inhibition	Menka Singh (IIT Delhi)
Mind-Wandering Impairs Response Inhibition: Behavioral and Neurophysiological Evidence	Anukrati Rana (IIT Delhi)
Modelling Inhibitory Control using Stop-Signal Task in the Cortico-Basal Ganglia Thalamocortical Loop using CBGTPy Framework	Nabhojyoti Chattopadhyay (CBCS)
Music Embodiment and Emotion Experience	Aratrika Patnaik (IIT Gandhinagar)
Threshold detection for positive and negative affective facial expressions in children: Evidence based on the Child Faces database	Shailendra Patel (CBCS)
An Investigation of EAL Among Malayalam-Speaking Children With Dyslexia Using a Semantic Priming Task	Minnu Elizabeth Giby (NFSU Gandhinagar)
The Influence Of Subliminal Priming On Moral Decision-Making: A Comparative Analysis Of Individual And Dyadic Judgments	Adrija Haldar (CBCS)
Mild Cognitive Impairment and Dementia: Comparative Analysis of Perceived Stress, Purpose of Life, Perceived Health, and Sleep Variables with Mediation and Moderation Findings	Chaithanya C (Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum)

Poster Session 2

Pilot Observation from Randomized Controlled study on Cognitive Interventions in Early Dementia	Parvathy PK (Sree Chitra Tirunal Institute for Medical Sciences & Technology)
Effects of Theory of Mind like abilities in Conversational AI on mind perception by humans	Satej Jagatap (CBCS)
Investigating the latent cognitive variables that facilitate the relationship between suggestibility and placebo responding within the predictive processing framework	Utkarsh Mishra (IIT Delhi)
Stimulus frequency influences visual filling in differently according to frequency: a comparative study linking visual field and visual binding	Anand Prasad (IIT Kanpur)
Beyond Statistical Learning: Attentional Engagement Shapes Distractor Suppression	Aswini Madhira (University of Hyderabad)
How do we stop? An Investigation of Global and Selective Response Inhibition Mechanisms	Rashmi Ijari (IIT Delhi)
Relationship of Age, Cognition, and Brain Structural Volume in Healthy Adults	Kunal Angadi (IIIT Hyderabad)

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09:00 - 10:00 **Keynote 4**

Chair: Ramesh Mishra

Samar Hussain (IIT Delhi): Towards a Typology of Language Processing

10:00 - 11:30 **Oral Session 6: Language and Cognition**

Chair: Ark Verma

Gaurja Aeron (IIT Gandhinagar) - Number-Feature and Noun Representation Distortion in Hindi Sentences

Pranab Bagartti (IIT Delhi) - Length and Modality impacts Subject drop: A Corpus study in Hindi

Nayana Raj (IIT Delhi) - The Temporal Dynamics of Visual Word Recognition: Morphological Priming in a Morphologically Rich Language

Sandeep Kour (Central University of Punjab) - Age and Structural Differences in Multilinguals: Effects on Attention and Cognitive Flexibility

11:30 - 12:00 **Tea Break**

12:00 - 13:00 **Oral Session 7: Motor Memory**

Chair: Krishna Prasad Miyapuram

Manvi Joiya (IIT Gandhinagar) - Mechanisms Underlying Savings in Visuomotor Adaptation

Navya Bajpai (IIIT Hyderabad) - Temporal Dynamics of Sequence Learning: How Response-Stimulus Interval Shapes Chunking and the Implicit-Explicit Transition

Naman Payasi (IIT Delhi) - Eyes do not lie: Testing whether Eye-tracking can be used to detect Mind-Wandering and Mind-Blanking

13:00 - 14:00 **Lunch**

14:00 - 15:00 **Oral Session 8: Music, Motivation, and Cognition** Chair: Jay Prakash Singh

Arijit Bhattacharya (Ashoka University) - Music, Mood, and Mind: Functional Modeling of Structure-, State- and Trait-Based Modulation of Emotion

Aditi Jha (IIT Gandhinagar) - Neural Coding of Auditory Features during Music Perception and Imagery

Harish Sinai Velingkar (AITD) - Understanding Consumer Attention: An EEG Study on Visual Appeal and Taste of food

15:00 - 16:30 **Poster Session 3**

16:30 - 17:15 **Industry Talk**

Parag Amodkar & Spandan Raha, Tiden Technologies

17:15 - 18:00 **Valedictory**

Poster Session 3

Attention Capture in Serial Search: Measuring Capture by a Target Singleton	Diya Joseph (IIT Gandhinagar)
Validation of Game-Based Intervention for Prosocial Skills	Shradha Bagade (CBCS)
Decoding Genetic and Environmental Influences on Brain Areas through Multilayer Connectomics	Soibam Shyamchand Singh (Ashoka University)
Modulation of the speed of Intrinsic Alpha Frequency (IAF) with tACS modulates variability of illusory speech perception	Shreya Deb (IIT Jodhpur)
Lateralized Eye Use in Shoal Size Preference in Adult Zebrafish	Krutika Srivastava (Ashoka University)
Cognitive Adaptation And Trust Calibration In Human-Ai Collaborative Design Environments	Ashok Shetty (IIT Delhi)
Virtual Reality Intervention for Enhancing Emotional and Cognitive Functioning in Young Adults Indulging in Violent Games	Kanchi Jain (Christ-Deemed to Be University)
Investigating sensorimotor beta burst dynamics as a robust biomarker for graded force modulation in humans	Md Shaheen Perwez (IIT Jodhpur)
Construction and Standardization of a Reversal learning task for assessing Cognitive Flexibility	Abhishek Gupta (CBCS)
Embodied Cognition in Action: Foot Pressure Influences Fronto-Central and Temporal EEG Oscillations	Bharti Mishra (NIT Raipur)
The Modulation of Emotional Relevance on Proactive Cognitive Control	Sanket Pawar (CBCS)
Effects of Mindfulness Training on Negative Self-talk and Metacognition in Young Adults	Shradha Maudgil (Christ University Bangalore)
Oddball Paradigm Investigation of Emotion-Math Interaction in the Brain	Silpa S (NIT Raipur)
Effects of Ketamine and Citalopram on Zebrafish (<i>Danio rerio</i>) Cognitive Judgment Bias: A Commentary on the Traditional versus Novel	Aryan Tiwari (Ashoka University)
Age-associated slowing down of speed of transitions during naturalistic movie watching	Swatantra Dhara (IIT Jodhpur)
The Influence of Perspective Shifts on Emotional Autobiographical Memory: A Thematic Analysis Approach	Pinky Arya (IIT Gandhinagar)
Hemispheric E/I Balance as a Neural Marker of Innate Spatial Attention Biases	Mansi Pitaliya (IISER Mohali)
The Influence of Disgust on Moral Dilemma Processing and Decision -Making Speed	Shramana Roy (BHU)
Characterizing the aperiodic neural dynamics during response inhibition	Arpit Shrimankar (IIT Jodhpur)
Tracing Mental Processes Through Visualization: A Study of Mental Rotation	Madhumanti Bhattacharyya (IIT Kharagpur)

Poster Session 3

Media Polarization and Doomscrolling Behavior: Investigation Through the Lens of Ingroup Bias	Abhishek Baba (IIT Kanpur)
Ganzflicker: Pseudo-hallucinations depend on Flicker Frequency	Sussmera D (IIT Kanpur)
Dynamics of Reward Cognition - Quantifying Costs of Reward Driven Cognitive Effort	Heena Khudabadi (Jain University)
Deconstructing the AI Placebo Effect: A Bayesian Computational Modeling Approach to Individual Differences in Performance	Utkarsh Mishra (IIT Delhi)