



**ACCS11/IIT Bombay/Programme schedule/Talks**  
**DAY 1 – FRIDAY, DEC 13, 2024**



8:00–9:30	Registration	
9:30–10:00	Opening Ceremony	
10:00–11:00	<b>Keynote 1: RAJESH RAO</b> <b>Chair: Narayanan Srinivasan</b>	<b>ACTIVE PREDICTIVE CODING AND THE PRIMACY OF ACTIONS IN PERCEPTION AND COGNITION</b>
11:00–12:00	Coffee Break + Poster Session 1	
12:00–1:00	<b>Talk Session 1:</b> <b>Actions</b> <b>Chair: Devpriya Kumar</b>	<ol style="list-style-type: none"><li>1. The recalibration of hand position estimates following sensory mismatch by Sahu, Ajay Kumar*; Mutha, Pratik (IITGn)</li><li>2. Prioritizing Task-Relevant Motor Corrections in Bimanual Coordination through Flexible Feedback Control by Ravikumar, Preethi*; Sahu, Ajay Kumar; Mutha, Pratik (IITGn)</li><li>3. Interaction between Implicit and Explicit Processes in Motor Adaptation by Kumar, Adith Deva*; Kumar, Adarsh; Kumar, Neeraj (IIT Hyderabad)</li></ol>
1:00–2:00	Lunch	
2:00–3:00	<b>Talk Session 2:</b> <b>Emotion &amp; Cognition</b> <b>Chair: Pratik Mutha</b>	<ol style="list-style-type: none"><li>1. Creation of Indian Child Affective Face and Gaze database by Tiwari, Ganga*; Patel, Shailendra; Velamur Vasudevan, Amruthavalli; Rastogi Kar, Bhoomika (CBCS, U. of Allahabad)</li><li>2. Co-joint impact of aversive information and reward motivation on task-relevant stimulus processing by Jaiswal, Sagarika*; Chakravarthy, Lakshman; Padmala, Srikanth (IISc)</li><li>3. Influence of structure and trait-anxiety on patch foraging behaviour by Vatsa, Shruti*; Ramakrishnan, Arjun (IIT Kanpur)</li></ol>
3:00–4:00	<b>Keynote 2: KRANTI SARAN</b> <b>Chair: Surampudi Bapi Raju</b>	<b>ATTENTION WITHOUT THE WILL–RETHINKING THE DISTINCTION BETWEEN TOP-DOWN AND BOTTOM-UP ATTENTION</b>
4:00–5:00	Coffee Break + Poster Session 2	
5:00–6:00	<b>Talk Session 3:</b> <b>Language</b> <b>Chair: Pushpak Bhattacharyya</b>	<ol style="list-style-type: none"><li>1. How DLM Interacts with Accessibility in Modulating Word-Order during Sentence Production in SOV Languages by Zafar, Mudafia*; Husain, Samar (IIT Delhi)</li><li>2. Investigating the Effect of Orthographic Transparency on Phonological Awareness in Bilingual Children with Developmental Dyslexia: An ERP Evidence by Raveendran, Sruthi*; C. Shanbal, Jayashree; Kim, Jooyoung (IITGn)</li><li>3. ShabdGyaan: A pilot study precursor to mega-study on word recognition, individual differences and vocabulary size estimation by Singh, Ansh ; Agrawal, Niket*; Verma, Ark</li></ol>
6:00–6:30	Sponsor's Session	Parag S. Amodkar, Tiden Technologies

*Talks PC Saxena Auditorium and Posters SOM Well/1*



## ACCS11/IIT Bombay/Programme schedule/Talks

**DAY 2 – SATURDAY, DEC 14, 2024**

<b>9:00–10:00 Front desk open</b>		
<b>10:00–11:00</b>	<b>Talk Session 4: Memory Chair: Sumitash Jana</b>	<ol style="list-style-type: none"> <li>1. Role of Contextual Cues on the Expression of Competing Motor Memories by Kumar, Adarsh (Queen’s Univ); Kumar, Adith Deva*; Kumar, Neeraj (IIT Hyderabad)</li> <li>2. Effect of Value-Based Decision on Intentional Cognitive Offloading for Prospective Memory by Agarwal, Aashna*; Bennett, Cathlyn Niranjana (Christ Univ); Chandran, Vladimir (Univ of Arts)</li> <li>3. Manipulating Boundary Conditions: Prediction Error and Memory Strength to Initiate Memory Reconsolidation by Paul, Tripureshwari*; Asthana, Manish Kumar (IIT Roorkee)</li> </ol>
<i>11:00–12:00 Coffee Break + Poster Session 3</i>		
<b>12:00–1:00</b>	<b>Keynote 3: SUPARNA RAJARAM Chair: Bhoomika Kar</b>	<b>SOCIAL REMEMBERING–A COGNITIVE PERSPECTIVE</b>
<i>1:00–2:00 Lunch</i>		
<b>2:00–3:00</b>	<b>Talk Session 5: Learning &amp; Memory Chair: Azizuddin Khan</b>	<ol style="list-style-type: none"> <li>1. Interlimb Differences in Implicit and Explicit Learning Processes in Visuomotor Adaptation by Vaasanthi, Sinchana*; Mutha, Pratik (IITGn)</li> <li>2. Contextual expression of motor adaptation does not update the existing motor memories by Jain, Riddhi*; Kumar, Neeraj (IIT Hyderabad)</li> <li>3. Role of Working Memory in Interlimb Generalization of a Newly Learned Motor Skill by Pal, Rahul*; Yadav, Goldy (Université Catholique de Louvain); Matkar, Shraddha ; Kumar, Neeraj (IIT Hyderabad)</li> </ol>
<b>3:00–4:00</b>	<b>Keynote 4: MANEESH SAHANI Chair: Krishna P. Miyapuram</b>	<b>NOISE, UNCERTAINTY, PRIORS AND BIAS IN PERCEPTION</b>
<i>4:00–5:00 Coffee Break + Poster Session 4</i>		
<b>5:00–6:00</b>	<b>Talk Session 6: Perception and Action Chair: Samar Hussain</b>	<ol style="list-style-type: none"> <li>1. Do you see an object to use it or to hold it: role of structural and functional actions in object processing by Padia, Tanvi*; Kumar, Devpriya (IIT Kanpur)</li> <li>2. Negligible Allocentric Representation Benefits in Contextual Cueing Effects by Mishra, Ananya*; Thomas, Tony (IIT Roorkee)</li> <li>3. Investigating perceptual boundaries of Self-Prioritization effect in Abstract Shape Paradigm using Priming effect by Singh, Neetu *; Ahmad, Irfan; Verma, Ark (IIT Kanpur)</li> </ol>
<i>6:00–6:30 GBM</i>		
<i>7:30–9:30 Conference Dinner – VMCC Ground Floor Foyer and Cafeteria Area</i>		

*Talks PC Saxena Auditorium and Posters SOM Well/2*



## ACCS11/IIT Bombay/Programme schedule/Talks

DAY 3 – SUNDAY, DECEMBER 15, 2024



<b>9:00–10:00 Front desk open</b>	
<b>10:00–11:00</b>	<p><b>Talk Session 7:</b>  <b>Cognitive Control /Decision Making/Actions</b>  <b>Chair: Srikanth Padmala</b></p> <ol style="list-style-type: none"> <li>1. Hand dominance does not influence EEG-EMG coherence during grasping by Balasubramanian, Eswari; Balasubramanian, Sivakumar; SKM, Varadhan* (IIT Madras)</li> <li>2. Attribute trade-off difficulty modulates the asymmetric-dominance of the decoy by Rath, Tapas*; Srivastava, Nisheeth; Srinivasan, Narayanan (IIT Kanpur)</li> <li>3. 'Sounds like a skill issue': what makes you quit at chess? by Purohit, Hariharan; Srivastava, Nisheeth* (IIT Kanpur)</li> </ol>
<i>11:00–12:00 5 Coffee Break + Poster Session 5</i>	
<b>12:00–1:00</b>	<p><b>Keynote 5: CHANTAL SOELCH</b>  <b>Chair: Ramesh Kumar Mishra</b></p> <p><b>THE REWARD SYSTEM AS AN INTERFACE BETWEEN MOTIVATION, PLEASURE AND COGNITION</b></p>
<i>1:00–2:00 Lunch</i>	
<b>2:00 – 2:40</b>	<p><b>Talk Session 8:</b>  <b>Cognition and Applications</b>  <b>Chair: Rashmi Gupta</b></p> <ol style="list-style-type: none"> <li>1. Exploring the Role of Cognitive Empathy in Shaping Universalism-Based Human Values: A Gender-Driven Analysis by Mannu Brahmi (IIT Delhi); Riya Jain ; Alma Ali* (Indraprastha College for Women, DU); Shreya Sarkar (Savitribai Phule Pune University); Jyoti Kumar (IIT Delhi)</li> <li>2. Quality of Sleep, Stress and Academic performance among University Students during Covid-19 pandemic by Matrapu, Praneetha Teja* (IITGn); Gadiraju, Padmaja (UoHyd)</li> </ol>
<b>2:45–3:30</b>	<p><b>Talk Session 9:</b>  <b>Emotion &amp; Cognition</b>  <b>Chair: Ark Verma</b></p> <ol style="list-style-type: none"> <li>1. Emotion Can Fool Your Perception but Not Action: Differential Effect of Emotion on Perception vs Action Task by Sahai, Ananyaa*; Singh, Divita (Ahmedabad Univ); Kumar, Neeraj (IIT Hyderabad)</li> <li>2. Emotions in Spatial Representation: Interaction of Valence and Arousal in Route and Survey Knowledge by Donni, Sacheth Kiran* (Christ Univ); Basu, Sandhya (Azim Premji); Rangaswamy, Madhavi (Christ Univ)</li> </ol>
<b>3:30-3:45 Vote of Thanks!</b>	

(Poster Sessions contd. below)

*Talks PC Saxena Auditorium and Posters SOM Well/3*

**POSTER SESSION 1/DEC 13-AM**

No.	Title	Author
1.	<i>Memory of Emotional Events Under Cognitive Load Influence Resting State Functional Brain Connectivity in Subclinical Anxiety</i>	Shruti Kinger
2.	<i>Effect of Mind Wandering and Framing on Risky Decision-Making: An Experimental Investigation</i>	Saba Siddiqi
3.	<i>Perception of experience influences altruism and perception of agency influences trust in human-machine interactions</i>	Balaraju Battu
4.	<i>A Novel BCI Classifier for Classification of Multi-Class Motor Imagery Data</i>	Parth G. Dangi
5.	<i>Brain gut coupling can predict the severity of levodopa induced dyskinesia in Parkinson's Disease</i>	Sanket S. Houde
6.	<i>Resilience of temporal order judgment to early-onset, prolonged visual deprivation</i>	Naviya Lall
7.	<i>Prosocial skill development in adolescents through video game interleaved with an online course: An Intervention study</i>	Arvindhane M.
8.	<i>Spectral Analysis of Novice Reflective States: The Role of Gamma and Delta Power on Performance During Breath-Focused Meditation</i>	Mannu Brahmi
9.	<i>The Costs of Action-Effect Monitoring</i>	Inchara Manjunatha Atharv Nangare
10.	<i>Exploring the Impact of Monetary Value on Retrieval-Induced Forgetting</i>	Kevin Prince
11.	<i>Myelin Plasticity in the Visual System Following Extended Visual Deprivation</i>	Chetan Ralekar
12.	<i>Exploring the role of conceptual mappings in attentional engagement during metaphor processing</i>	Sumeet Agarwal
13.	<i>Understanding the Navigation Network System- An fMRI investigation</i>	Swati Khandual
14.	<i>Navigating the Memory Maze: Cognitive Avoidance Effects on Autobiographical Memory in Healthy and Depressed Minds</i>	Anoushka
15.	<i>The differential effects of performance contingent and non-contingent rewards on emotional distraction</i>	Athulya Krishnan
16.	<i>Facilitating Moral Transformation through Reflection among Young Adults</i>	Drishti Bhatia

**POSTER SESSION 2/DEC 13-PM**

No.	Title	Author
1.	<i>Exploring the Relationship of Fear of Happiness between Anxiety, Social Isolation, and Decision Making: Mixed Method Study"</i>	Chakshu V. Jain
2.	<i>The Role of Visual Working Memory Capacity in Autobiographical Memory Bias among Individuals with Social Anxiety Disorder</i>	Sherine G. Victoria
3.	<i>Effect of Environmental Value Orientation Framing on Pro-Environmental Behaviour Intentions Using Motivated Attention Framework: An Eye-Tracking Study</i>	Madhumitha K.
4.	<i>Attribution, JTC Reasoning and Social Threat Perception in Individuals with Paranoid Ideations and the Mediating Role of Interoceptive Sensitivity</i>	Tripti Singh
5.	<i>Exploring Ethical Decision-Making in Driving Dilemmas: A Mixed Methods Study</i>	Pragati Gohil
6.	<i>Annotation of Silent Pauses in Emotional Narratives under Gesture Restrictions</i>	Riya Jain
7.	<i>Mapping the Circumplexity of Personality Metatraits, Schwartz's Values, and Trait Mindfulness in Indian Adults: A Principal Component Analysis Approach</i>	Mannu Brahmi
8.	<i>Investigating Neural Activity in a Recurrent Network: Insights from Simulating a Go/No-Go Task</i>	Rakesh Sengupta
9.	<i>Parenting now and then: An Intergenerational Analysis of Perceived Parenting in Young Adults and Middle Age Adults</i>	Nihala Abdul Samed
10.	<i>Exploring human defense responses in a 3D virtual reality environment: An EEG study</i>	Vidisha Maithani
11.	<i>Effect of inhibitory control training on extinction of conditioned fear</i>	Kaneez F. Dar
12.	<i>Visual perception during neurotypical development and in Autism and ADHD</i>	Georgitta J. Valiyamattam
13.	<i>Evaluating smartphone notifications as an ecologically valid conditioned stimulus for studying emotion-evoked neural responses</i>	Prakash Mishra
14.	<i>Facial Emotion processing in Early Alzheimer's Disease, Mild Cognitive Impairment &amp; Healthy Individuals</i>	Rajesh PG
15.	<i>Replication and Validation of Trait Anxiety EEG Biomarkers Utilizing Stop-Signal Task</i>	Pragya Verma
16.	<i>Free-choice intentions but not instruction-based action planning influences subsequent executive control</i>	Niteesh Deep Sharma



**POSTER SESSION 3/DEC 14-AM**

<b>No.</b>	<b>Title</b>	<b>Author</b>
1.	<i>Testing the impact of Reduced Mind Wandering on Response Inhibition</i>	Menka Singh
2.	<i>Differential effects of arm and finger posture on Tactile Enumeration</i>	Ashutosh Bagchi
3.	<i>The Effect of Word Order in Modulating Visual Attention During Spatial Language Comprehension</i>	Kanika Sachdeva
4.	<i>Hindi-Urdu Causative Event Structure Acquisition</i>	Parul Bhardwaj
5.	<i>Understanding the Temporal oddball effect: Investigating the role of repetition suppression and Anticipation.</i>	Amrendra Singh
6.	<i>The Impact of Metacognitive Awareness and Cognitive Flexibility on Pattern Recognition Task Performance</i>	Jaanvin Jaanvin
7.	<i>Gaze and Gluttony: How Weight Shapes Our Initial Food Fixations</i>	Rajashree Biswas
8.	<i>Effect of Induced Empathy on Decoy Effect in Consumer Decision-Making Task</i>	Yashika Garg
9.	<i>Exploring the Relationship Between Switch Cost, Functional Connectivity and Task Complexity in a Task Switching Paradigm using EEG</i>	Gargi Shukla
10.	<i>Varied interlocutors' language proficiency alters cross-linguistic activation in bilinguals: Evidence from eye movements.</i>	Keerthana Kapiley
11.	<i>"Efficacy of Regulation Focused Psychotherapy in Managing Externalizing Behavioural Problems among Children and Adolescents - a Psychophysiological Study"</i>	Payal Sipani
12.	<i>Role of Loneliness on Attentional Bias and Social Working Memory in Young Adults</i>	Niharika Gopalakrishna
13.	<i>Investigating Hippocampal Long Axis Specialization with High-Resolution 7T fMRI</i>	Atharv D. Nangare
14.	<i>Late sight-onset and its influence on visual search</i>	Manvi Jain
15.	<i>Reconstruction of Drumbeat Music from EEG Data</i>	Pradipto Pradipto
16.	<i>Lack of Haptic-Sound Symbolism in Congenital and Late Blind Population.</i>	Srisai Rakesh Kottu

**POSTER SESSION 4/DEC 14-PM**

No.	Title	Author
1.	<i>The Effect of Depressive Symptoms, Post-Traumatic Growth, and BRCA Gene Mutation on Attentional Bias Towards Body Image and Acceptance of Femininity among Breast Cancer Patients</i>	Anika Duttagupta
2.	<i>The Impact of Socioeconomic Disadvantage and Parental Alcohol Abuse on Children's Executive Functions in Urban India: A Pilot Study</i>	Aditi Varenya
3.	<i>Studying the Role of Gamma oscillations in Motor Control using a bio-inspired Actor-Critic based Oscillatory Neural Network</i>	Vigneswaran C
4.	<i>The Sunshine Effect: The Impact of Vitamin D Deficiency on Physical and Mental Health</i>	Sameeksha Satheesh
5.	<i>Spatial Location Encoding of Auditory Sources in the Human Brain: An EEG Study</i>	Aditi Jha
6.	<i>Perceptual load influences gradedness of awareness of gist in visual scenes in a dual task: Gist perception is more graded in high load</i>	Suraj Kumar
7.	<i>The Impact of Allocentric Shifts in the Emotional Regulation of Autobiographical Memory Recall</i>	Pinky Arya
8.	<i>Does Temporal attention influence Perceived Time and Temporal Sensitivity?</i>	Utkarsh Shukla
9.	<i>Influence of Semantic Binding on visual search: Interplay of Long-Term and Working Memory</i>	Antarjot Kaur
10.	<i>Heterogeneity in Loss Aversion Estimates across Modelling Approaches</i>	Akhil Abburu
11.	<i>Exploring Cognitive and Psychological Changes through Auditory Mantras in an Immersive Virtual Reality (VR) Environment</i>	Dhrubajyoti Sarma
12.	<i>Human-Robot Interaction in Economic Decision-Making: Insights from Dictator Games</i>	Avantika Dev
13.	<i>The Cognitive Toll of Household Air Pollution: Cross-sectional Associations between Polluting Cooking Fuel Use, Cognitive Functions and Brain MRI in a Rural Indian Aging Population</i>	Sumedha Mitra
14.	<i>Neural Entrainment to Consonant and Dissonant Musical Stimuli: An EEG Study</i>	Aditi Jha
15.	<i>Effect of Contemplative Debate Practice (from Gelug Tradition) on Emotion Regulation and Experience</i>	Sudhakar Mishra
16.	<i>The Hindi Lexicon Project: Lexical decision data for 11500 Hindi words</i>	Vivek S Sikarwar
17.	<i>Exploring Functional Neurological Overlaps in Adults with ADHD and Schizophrenia: An fMRI Study Using Deep Learning Model.</i>	Fatima Sanwari
18.	<i>Effect of Individualized taVNS on Motor Cortical Excitability: A Paired-Pulse TMS Study</i>	Nisma Fathima



**POSTER SESSION 5/DEC 15-AM**

<b>No.</b>	<b>Title</b>	<b>Author</b>
1.	<i>Emotions and Driving: Effect of Emotions on Speed During Sudden Pedestrian Crossing Event</i>	Debaparna Mukherjee
2.	<i>Exploring User Engagement on Dating Apps: An Eye-Tracking Study</i>	Fatima Sanwari* , Pragati Gohil, Madhavi Rangaswamy, Shuchita Gupta
3.	<i>Biopsychosocial Factors Affecting Illusion of Transparency</i>	Praneetha Teja Matrapu
4.	<i>Task Irrelevant Self-Relevant Primes Engage Attention</i>	Adithi Anil
5.	<i>The impact of mental fatigue on the working memory capacity and executive functions of young adults</i>	Prerna Dash
6.	<i>The Effect of an Episodic Future Thinking Strategy on The Prospective Memory of People with PCOS</i>	Tarisha Badaya
7.	<i>Models, Modalities, and Features: Classification of Affective Music Video Clips and Participants from Neural Signals</i>	Jhanvi Mehta
8.	<i>The Dichotomy of Bias Behaviour: Inhibition of Automaticity in Ingroup Bias for Deliberative Decisions</i>	Abhishek Baba
9.	<i>Self-prioritization modulates the multiple object tracking performance</i>	Irfan Ahmad
10.	<i>Comparing visual scene salience representations in deep neural networks and the human brain</i>	Shreya Gakhar
11.	<i>Learned Helplessness suppresses Action Bias and not Pavlovian Bias</i>	Adithya Anil
12.	<i>Cultural dependency and inter-subject variability for emotion recognition from EEG signals</i>	Aditi Jha
13.	<i>LLMs and Ethical Dilemmas: Would AI push you off a boat to save five people?</i>	Akhil Abburu
14.	<i>Cultural Leaders: Transforming Cooperative Norms Beyond Self-Interest</i>	Balaraju Battu
15.	<i>High Schizotypy is Associated with Greater Susceptibility to Tactile illusions and Intact Vibrotactile Perception</i>	Sreelakshmi K.
16.	<i>Exploring the Relationship between Anxiety, Cognitive Function, and Heart Rate Variability in Young Adults</i>	Hurshitha Vasudevan