



# NATIONAL NEUROIMAGING FACILITY

(ESTABLISHED BY DST)  
CENTRE OF BEHAVIOURAL  
& COGNITIVE SCIENCES,  
UNIVERSITY OF ALLAHABAD

## WHY CHOOSE NNF CBCS

- 3 Tesla fMRI Scanner (Siemens Magnetom Skyra)
- Proven international research output
- Dedicated Scanner & Preparation Room
- Advanced Console & Analysis Room
- 20 channel & 32 channel Head coil
- fMRI fiber-optic response pads/joysticks
- MRI compatible vision-correction eyeglasses
- MRI ear protection headphones
- Emergency stop button

*State-of-the-Art Research Environment for Scholars across India to conduct Advanced Neuroimaging studies at the National Neuroimaging Facility*

- National facility open to Researchers from cognitive science, cognitive neuroscience, psychology
- Registered on I-STEM Portal
- Strong interdisciplinary ecosystem
- Simple procedure to follow (Call for proposals)
- Fast execution of the proposed study
- Multiple projects supported by DST conducted

### TECHNOLOGY & MODALITIES

- Task-based fMRI
- Resting State fMRI
- Diffusion Weighted Imaging (DWI/DTI)
- Voxel-Based Morphometry (VBM)

### 3 TESLA FMRI



### CALL TO ACTION

We invite:

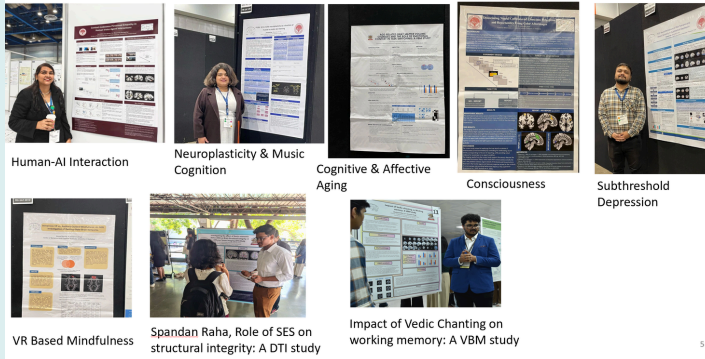
**Researchers**  
**PhD Scholars**  
**Postdoctoral Fellows**

## GLOBAL PRESENCE INTERNATIONAL EXPOSURE & ACHIEVEMENTS

Our students present at leading platforms:

- \*OHBM Conferences
- \*ACCS Conferences
- \*International Cognitive Neuroscience Forums

Travel awards/Conference presentations at OHBM, 2024, 2025

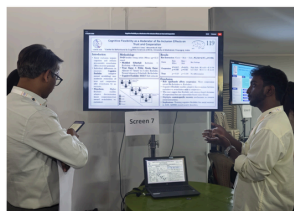


### Awards:

- \*Best Poster Awards
- \*WWN-IBRO Fellowships
- \*Travel awards from OHBM

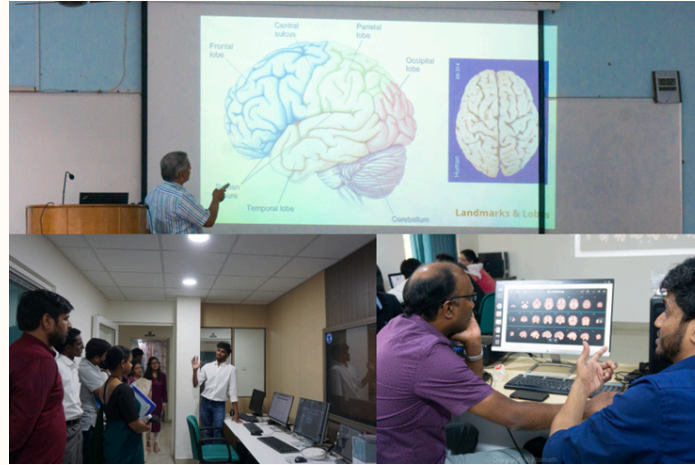


Parkinson's disease: A Resting-State fMRI study.  
Won the WWN-IBRO fellowship for this participation



Social Re inclusion  
Won the Best Poster award

## TRAINING, WORKSHOPS & CAPACITY BUILDING



National and international workshops:

- Cognitive Neuroimaging Workshops
- Diffusion Imaging Training
- Graph-Based Network Analysis
- GIAN Course by global experts on Resting state fMRI  
120+ students trained

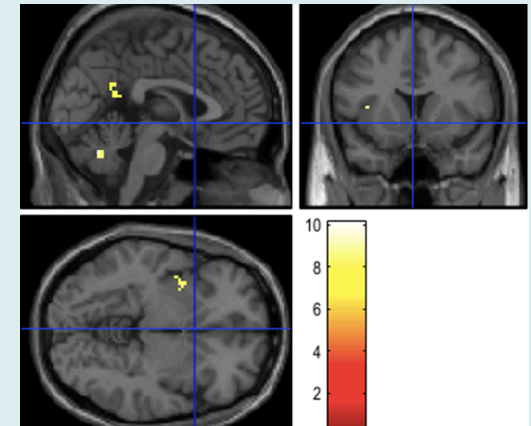
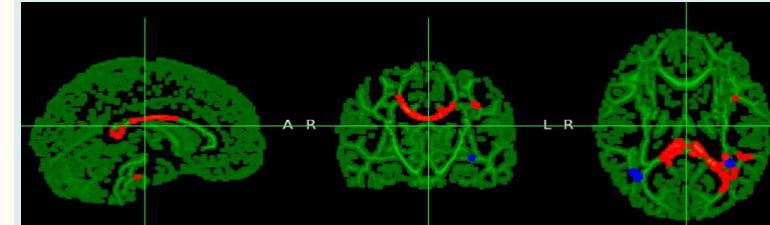
## NATIONAL COLLABORATIONS

We actively collaborate with premier institutes:

- \*IIT Gandhinagar
- \*IIT Hyderabad
- \*IIT Delhi
- \*IIT Kanpur
- \*IISc Bangalore
- \*IIIT Hyderabad
- \*IIIT Allahabad

## CURRENT RESEARCH THEMES

- Cognitive & Affective Aging
- Attention & Consciousness
- Meditation & Mental Health
- Social Neuroscience
- Nutrition & Brain Function
- Music perception and Parkinson's disease



Ongoing research by external faculty:

- Motor learning and memory
- Meditation and cognition
- Emotion and motivation



## PROCEDURE TO ACCESS THE FACILITY

1. Submit proposal via CBCS website link:

[http://cbcs.ac.in/wp-content/uploads/2019/12/Proposal-Form\\_NNF\\_Final\\_Dec\\_2019.pdf](http://cbcs.ac.in/wp-content/uploads/2019/12/Proposal-Form_NNF_Final_Dec_2019.pdf)

2. Scientific Committee review and approval

3. Ethics approval submission from host institution to be submitted to IERB, UoA

4. Setting up data acquisition protocol & streamlining logistics

## SCAN COST

· ₹6000 (Government-funded projects)

· ₹10000 (Industry projects)

## CALL TO ACTION

We invite:

Researchers  
PhD Scholars  
Postdoctoral Fellows



## LOOKING AHEAD

Research on:

- \*Aging brain resilience
- \*Meditation
- \*Mental health vulnerability
- \*Nutrition and brain
- \*Neuroimaging data repository
- \*Industry collaborations
- \*Advanced computational neuroscience



For any queries please contact:  
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