

# **CBCS, UoA**

## **Workshop on Cognitive Neuro-imaging 21<sup>st</sup>–25<sup>th</sup> February 2020**

The Centre of Behavioral and Cognitive Sciences, University of Allahabad organized a workshop on Cognitive Neuroimaging from February 21<sup>st</sup>, 2020 to February 25<sup>th</sup>, 2020. Prof. Bapi Raju, IIIT Hyderabad, Dr. Srikanth Padmala, Assistant Professor, Centre for Neuroscience, Indian Institute of Science (IISc), Bangalore and Mr. Lakshman, Research Associate, Centre for Neuroscience, IISc, Bangalore were the resource persons for the workshop. The goal of this 5-day workshop was to provide hands-on experience with functional Magnetic Resonance Imaging (fMRI) experimental design, acquisition, and analysis of fMRI data for advancing cognitive neuroscience research in India. Since this will be an intermediate-level workshop with brief introduction to fMRI methodology, this workshop was mainly targeted at advanced PhD and postdoctoral level scholars who have planned to use fMRI methodology to address their targeted research question(s). This workshop covered fMRI design strategies, acquisition of task-related fMRI data (a few participants data was also acquired during the workshop), pre-processing and analysis of fMRI data at single- subject as well as group level. Participants learnt fMRI data analysis using AFNI with sample data sets during the lab sessions. Towards the end of the workshop, actual fMRI experimental designs proposed by participants were discussed and valuable feedback from the experts certainly provided useful insights into the specific issues related to fMRI experimental design. Overall, the emphasis of this workshop was on how to use fMRI as a tool to address research questions in Cognitive Neuroscience. Twenty-three scholars from various institutions like IIT Kanpur, IIT Gandhinagar, IIT Delhi, IIIT Hyderabad, ISI Bangalore, IIIT Allahabad, Department of Psychology, AU and CBCS participated in the workshop.

