

Graduate students can participate in a paid Computational Neuroscience Research Assistantship at International Institute of Information Technology, Hyderabad (IIITH), INDIA.

Expected duration : 6 Months to 1 Year

PI: Dr. Avinash Sharma

Co-PI: Prof. Bapi Raju

Field of research: Computational Models for Cognitive Science, Brain modelling, fMRI data analytics, Graph Signal Processing,

Project Description

We employ machine-learning and graph-signal-processing techniques on brain-graphs to understand dynamics of human cognition system. Specifically we work with the diffusion/functional MRI data complementing each other in providing the anatomical structure and temporally evolving activity. RA will be working on extending our existing state of the art computational brain models as well as potential application of existing deep learning models to similar fMRI data. Additionally, RA is expected to contribute to high quality research publications as part of the project effort. Students aiming for academic career will be given preference. See our webpage for details.

Your profile

Masters or exceptional Bachelors students graduating from top institutions with a strong background in linear-algebra, calculus, signals and systems, probability, optimization, deep-learning (in the listed order) are encouraged to apply. Experience in working with neuroimaging data and publication oriented research is preferable .

We offer you

The fully funded Research Assistant position will start in March 2019. Salaries are according to the guidelines of IIIT-Hyderabad. Hostel accommodation is mandatory.

Application / Contact

Applications should include a cover letter, brief summary of previous research, CV and one reference. For the reference, name and email of the referee is mandatory, we will be contacting them when required.

Point of contact: Avinash Sharma Email : asharma@iiit.ac.in OR Bapi Raju Surampudi E-mail: raju.bapi@iiit.ac.in

Please mention CMCN RA Position as subject line