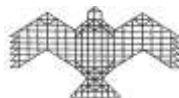


Deadline: April 20, 2020



**Junior Research Fellow Position in the area of
“EEG Acquisition and Analysis”**

National Institute of Advanced Studies, Bangalore

National Institute of Advanced Studies (NIAS) was conceived and founded in 1988 by the late Mr. J. R. D. Tata, who sought to create an institution to conduct advanced multidisciplinary research. Housed in a picturesque green campus in Bangalore the Institute serves as a forum to bring together individuals from diverse intellectual backgrounds, in the natural and life sciences, humanities, social sciences, and conflict and security studies. The philosophy underlying NIAS is given shape by its multidisciplinary research teams. The Institute is unique in its integrated approach to the study of intersections between science and technology, philosophy, social issues and leadership. The objective is to nurture a broad base of scholars, managers and leaders who would respond to the complex challenges that face contemporary India and global society, with insight, sensitivity, confidence and dedication. For more details: www.nias.res.in

About the Project: This DST funded project (under SATYAM) aims to study consciousness measures, wellbeing (physiological and psychological) and correlates between brain/cardiovascular complexity and their synchrony in Yoga meditators. This is a multi-institutional project involving NIAS (NIAS Consciousness Studies Programme), National Institute of Mental Health & Neuro Sciences (NIMHANS) and Indian Institute of Science (IISc.).

Title of Position: Junior Research Fellow (JRF-EEG)

Job description: The JRF position pertains to EEG & ECG data acquisition and analysis. The role will involve coordinating with study participants, administering questionnaires and documentation as well as analysis of acquired EEG and ECG signals. Good interpersonal and communication skills are required, as well as basic signal analysis and programming skills. JRF aspirants must be willing to work as part of a multidisciplinary team and be eager to rapidly learn concepts and skills across multiple domains. The work will involve some travel (within Bengaluru city).

Qualifications for JRF-EEG:

Graduate/Post Graduate Degree in Professional Course (Electrical/ Electronics & Communication/ Computer/ Mathematics/ Information Science or related disciplines) or Postgraduate Degree in Basic Sciences with NET Qualification /valid GATE score.

Candidate with experience in **Neuroscience / Neurophysiology/ EEG acquisition /Signal processing** will be preferred. Familiarity with programming in **MATLAB/Python** is a must. Familiarity with EEGLAB toolbox is not mandatory, but highly desirable.

Emoluments

Rs. 31,000/month for 1st and 2nd year and Rs. 35,000/month for the third year plus HRA as applicable to Bengaluru, which is currently 24% of the basic fellowship.

Deadline: April 20, 2020

Mode of Application:

Interested applicants should submit their curriculum vitae electronically along with the following documents:-

1. Covering letter (with latest CV)
2. Statement of Purpose
3. Copy of degree certificate (and NET qualification certificate/GATE score card as applicable)

The deadline for receiving applications is **April 20, 2020**. Short-listed candidates will be invited to NIAS for an interview.

Applications should be addressed by email with subject line “Application for JRF-EEG” to:

Dr. Nithin Nagaraj (Principal Investigator)

National Institute of Advanced Studies

Indian Institute of Science Campus

Bangalore-560, 012, India

E-mail: nithin.nagaraj@gmail.com

Principal investigator's webpage: <https://sites.google.com/site/nithinnagaraj2/>