



# NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO SCIENCES

Institute of National Importance,  
Hosur Road, Bengaluru – 560 029

NIMH/PROJ/DST/RCM/NOTI/JRF/2021-22

27<sup>th</sup> September 2021

## NOTIFICATION

Applications are invited from the eligible candidates for filling up **Junior Research Fellow** post on contract basis in the **DST** funded project entitled “**Smart tVNS: A device that uses closed-loop technology and machine learning to optimise non-invasive transcutaneous vagal nerve stimulation(tVNS) for refractory epilepsy monitoring and treatment**”- under the guidance of Dr. Ravindranadh Chowdary M, Associate Professor, Department of Neurology & Principal Investigator.

Name of the Post	<b>Junior Research Fellow (JRF)</b>
No. of Post	One
Educational Qualification	BTech or BE or MCA or equivalent.
Desirable knowledge/skills:	<ol style="list-style-type: none"><li>1. Experience working in research projects involving device development.</li><li>2. Experience working with EEG or ECG or equivalent bio-signal time series.</li><li>3. Knowledge in the usage of MATLAB/Python software.</li><li>4. Experience of working with an IDE, Debugger and C or C++ Compiler environment in an Embedded Linux environment.</li><li>5. Application development Experience in any network protocols - Socket in Ethernet, Wi-Fi or Bluetooth/BLE services.</li><li>6. Application development experience in Audio playback application using ALSA and Pulse Audio</li><li>7. Experience in GUI development in GTK+ or Wx Widgets.</li><li>8. Experience in Version control using Git or SVN.</li></ol>
Maximum Age Limit	30 years (up to 2 years relaxation for woman candidates)
Emoluments	Rs. 31,000/- + 24% HRA pm
Job Profile:	This job will require working with industry partner of the project in the circuit board design, signal processing algorithm development and customisation of embedded software for the proposed EEG-based brain training device. The staff will also get the essential trainings.
Duration of Post:	1 year Initial appointment for 6 months and extendable.

Eligible candidates fulfilling the criteria, may apply by sending their curriculum vitae, age proof and copy of testimonials, to [mundlamuri.ravi@yahoo.com](mailto:mundlamuri.ravi@yahoo.com). The notification number and date, candidate's contact details including postal address, mobile number and email address should be mentioned in the application, failing which the applications will not be considered.

The last date for receipt of filled in applications together with the relevant documents is **15<sup>th</sup> October 2021**. Late applications will not be entertained.

Sd/-  
**REGISTRAR**