

Designation: Senior Research Fellow for an year at IIIT-Bangalore

Job Description:

To assist in the technical research, model development of EEG and other physiological signals for the collaborative sponsored project between IIIT-Bangalore & NIMHANS involving the following tasks:

- Perform literature survey on post-stroke speech therapy for activities that are recorded using EEG / BCI signals.
- Development of AI/ML models for EEG recorded signals at IIIT-Bangalore.
- Perform EEG recordings on patients at NIMHANS.
- Efficiently characterizing the EEG consumer grade devices and extracting the appropriate signals.
- Generate IPR in terms of patents and publications.
- Drafting monthly and quarterly reports on the work performed.

Qualifications, Experience and Skills needed:

- PhD or Masters in ECE/CS at the reputed institutes
- Good experience in AI/ML modelling including Transformers, Time-series models, CNNs,
- Good understanding of signal processing and filtering techniques,
- Good hold on Time-series signals and extraction of the same from consumer grade devices.
- Good at mathematical modelling
- Efficient in Python, Matlab,
- Prior experience on working with EEG signals will be preferable.
- Ability to communicate in English
- Ability to work independently

Last date for applications:

Interested candidates are requested to send their recent resume to mr@iiitb.ac.in latest by February 20, 2024.