



Project AMRIT

Indian Institute of Science
Bangalore, India, 560012



Job Posting

Project Associate (stereo EEG)

Project AMRIT (AI-guided Motor Recovery through Integrated neuroTechnologies) was created under the Brain Computation and Data Science (BCD) initiative at the Indian Institute of Science (IISc), Bengaluru in 2026 to pursue computational approaches for understanding brain function. Supported by a generous grant from the Pratiksha Trust, it fosters an important and growing area of interdisciplinary research. Gaining a detailed understanding of the human brain is one of the grand challenges of the 21st century. The grandness of the challenge and the requirement of diverse forms of expertise necessitate synergistic interactions among neurobiologists, computer scientists and engineers. The current work of this group spans the areas of Neuromorphic hardware and hybrid systems, computational models for representation and processing of sensory information in the brain, computational models of biological neurons, neural plasticity, models of learning, signal processing, machine learning, big data analytics, large scale computational models, etc. The vision of this group is to become the nucleus of a national brain initiative and contribute to significant breakthroughs in our understanding of the brain.

We invite applications for the position of “*project associate*” with experience working in both hospital and research settings primarily for intracranial electroencephalogram data acquisition at our clinical partner hospitals (Deenanath Mangeshkar Hospital, Pune; Amrita Hospital, Kochi; Sri Chitra Hospital, Trivandrum, MS Ramaiah Hospital, Bengaluru, and others). The role involves a considerable amount of travel to the above locations (few multi-day visit(s) per month) while being involved in the execution, planning, and design of our data acquisition protocol.

We are looking for experienced professionals. This full-time, contractual position is based in IISc, Bengaluru. The initial contract is for six months and will be renewed annually based on performance. **Please also note that there will be a possibility for a full-time posting at one of the partner hospitals coupled with visits to other hospitals on availability of scheduled surgeries.**



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Responsibilities

1. Frequent travel to out-of-state clinical partner hospitals to oversee intracranial epilepsy data acquisition.
2. Assist with planning for travel to out-of-state hospital sites for the research staff.
3. Execution, planning, and design of our data acquisition protocol for the clinical and research projects involving electronic data capture (EDC) systems and hospital information systems (HIS) by coordinating with clinical teams, laboratories, and research collaborators.
4. Manage secure data pipelines for ingesting, processing, and archiving research and administrative datasets.
5. Perform data cleaning, validation, quality checks, deduplication, and audit trails.
6. Ensure compliance with ethical regulations, patient confidentiality, institutional data-governance policies.
7. Generate periodic status reports, dashboards, logs, performance reports, and summaries for research teams, investigators, and project managers.
8. Provide user training and support to hospital and research staff in data entry, acquisition, security and documentation best practices.

Educational Background & Experience

1. B.E/B.Tech in engineering (4Y) or B.S/M.S. (5 years) or M.Sc (2Y) in Data Science, Computer Science, Biomedical Informatics, Biostatistics, Life Sciences or an equivalent stream is required.
2. Candidates with at least 2–5 years of professional experience in data management within a hospital and/or biomedical research environment are preferred.

Salary

Commensurate with experience, up to Rs 40,000/month plus 24% HRA.



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Skills & Competencies

1. Demonstrated experience with clinical databases, research data systems, and data entry monitoring.
2. Proficiency with data management tools such as REDCap, OpenClinica, Castor, DHIS2, or equivalent platforms.
3. Strong Excel/Google Sheets skills; knowledge of SQL/NoSQL databases and/or statistical tools (R/Python/SPSS).
4. Understanding of practices involving patient data privacy regulations, data security protocols, backup systems and clinical documentation standards.
5. Ability to troubleshoot data issues independently and work in fast-paced, multidisciplinary research and clinical environments.
6. Excellent analytical and communication skills with experience in a hospital or research environment.

Application Process

Please send the following information with the subject line: “[AMRIT] Application for Project Associate (stereo EEG)” via email to ‘pratik Kashy1@iisc.ac.in’ on or before 18/10/26.

1. Curriculum Vitae or Resume.
2. A 500-word paragraph explaining why you are uniquely qualified for the job.
3. Name and address of two referees