

Symbiosis Centre for Applied Artificial Intelligence (SCAAI)

Symbiosis International (Deemed University)

Advertisement for the Role of Post-Doctoral Fellow

SCAAI/ADMN/2023/02

Date: 13.03.2024

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in lieu of notification SIU/U-28/883 dated 23rd October 2019

Post-Doctoral Fellow (PDF) position at Symbiosis International University

Symbiosis Centre for Applied Artificial Intelligence (SCAAI) Symbiosis International (Deemed University), Pune, India invites applications from highly motivated, qualified, and creative researchers for a Post-Doctoral Fellowship to research and carry out the research in AI for the Healthcare domain. The work will focus on developing techniques and tools for the prediction and detection of various diseases and disorders, including but not limited to mental health, cognitive behaviours, physiological and non-physiological etc. SCAAI is currently working to develop AI-based state-of-the-art techniques for healthcare as part of multiple research projects supported nationally and internationally. The selected candidate will have a great opportunity to contribute to these exciting projects and publish in high-profile journals.

SCAAI is associated with various world-renowned institutes and organizations working in AI for healthcare. It is also closely associated with the Symbiosis University Hospitals and Research Centre (SUHRC). The lab is well-equipped with cutting-edge processing systems and equipment for the rapid advancement of research work.

Qualifications: We are looking for a highly motivated applicant with a Ph.D. degree in AI/ML or its foreign equivalent (completed within the last five years only) with a first-class or equivalent score at the preceding degree in the appropriate field and a good academic record throughout. Candidates who are about to receive their degree are also eligible to apply, however, they must submit proof of their degree before commencing the position. Moreover, the successful candidate must have no less than four peer-reviewed articles published in WoS and/or SCOPUS-indexed journals with a respectable impact factor in the concerned research area.

Duties and responsibilities:

- Develop protocols for lab-based experimental design, data collection, and ethical approvals
- Perform experiments and data analysis for disease prediction and detection, development of biomarkers
- Develop the deployable pipeline for web/mobile phone-based development
- Document the results and analysis thoroughly and accurately
- Publish papers in peer-reviewed research journals
- Apply for intramural and external fellowships
- Report scientific findings in national conference(s)
- Lead and Mentor the UG/PG/Ph.D. students working within these project groups
- Troubleshoot technical challenges on an as-needed basis
- Perform other duties as assigned.

Preferred Qualifications and skills:

- Experience in the following fields strongly preferred: AI for medical domain, brain-machine interface
- Strong track record of peer-reviewed publications and presentations
- Strong programming skills
- Proven talent to work independently with excellent interpersonal, communication, and mentoring

Salary terms: INR 52000/- per month with INR 50,000/- contingency (per year).

Terms of Service: The appointees will be called a Post-Doctoral Fellow (PDF) and the initial award will be for **ONE** year which can be extended for a maximum of Two years. The extension after each year will be after a thorough review of the candidate's performance.

The last date of receipt of the application is **31st March 2024**.

How to apply: The application must be submitted online by sending an email to: researchprojects.01@sitpune.edu.in

Additional notes:

- This fellowship is open for foreign nationals and overseas citizens of India too.
- Please see the respective Departmental website for detailed research areas.
- A mere fulfillment of required minimum qualifications and experience does not entitle a candidate to be called for an interview/discussion.
- The foreign residents and overseas citizens of India can attend an online interview.
- The interview for the Postdoctoral Fellow shall be conducted periodically in a calendar year.
- No TA/DA will be provided for an in-person interview.

**Dr. Ketan Kotecha**

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