Indian Institute of Technology Indore

Simrol Campus: Khandwa Road, Simrol, Indore 453552

Dated: January 27, 2020

Advertisement for a Postdoctoral Position

Applications are invited from motivated and eligible candidates for a postdoctoral position in the research project entitled "Development of deep and shallow machine learning algorithms for biomedical data and imaging".

Researchers in deep and shallow machine learning including those working in computer vision, image processing, biomedical analysis and related fields when tied with experienced clinicians can play a significant role in understanding and working on complex medical data which ultimately improves patient care. To develop a novel deep or shallow machine learning algorithm specific to medical data is a challenge and need of the hour. Healthcare and biomedical sciences have become data-intensive fields, with a strong need for sophisticated data mining methods to extract the knowledge from the available information.

This research project aims to develop novel deep and shallow machine learning methods to address the challenges to biomedical complex data. Special attention will be devoted to handle feature selection, class imbalance, and data fusion in biomedical and machine learning applications.

Eligibility: Ph.D. degree in Computer Science/Electrical Engineering/Mathematics/or in equivalent streams with good Journal/Conference Publications. Please note that you should have defended your Ph.D. dissertation.

Stipend:
Postdoctoral Fellow will be paid consolidated salary based on the following salary structure of the DST for Research Associate.

Category	Emoluments per month
Research Associate-I	Rs. 47,000/-
Research Associate-II	Rs. 49,000/-
Research Associate-III	Rs. 54,000/-

The category will decided/recommended by the selection committee based on the qualification/Experience/Performance in the interview of the candidate.

Service conditions:

(i) DA: Postdoctoral Fellow will not be entitled to DA.

(ii) House Rent Allowance (HRA): All Postdoctoral Fellow may be provided accommodation based on availability and those residing in accommodation provided by the institute will not be eligible for drawing HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed to Postdoctoral Fellow as per Government norms applicable in the city/location where they are working. The fellowship amount may be taken as basic for calculating the HRA.

(iii) Medical Benefits: The Postdoctoral Fellow will be entitled for medical allowance as per institute policy.

(iv) The travel entitlement for Postdoctoral Fellow for participation in scientific events/workshops in India will continue to be as per institute norms.

Duration: The appointment is for one year.

Interested candidates are requested to submit a detailed CV to **Dr. M. Tanveer** via e-mail: mtanveer@iiti.ac.in by **February 15, 2020**.

Only shortlisted candidates will intimated by email for an interview. No TA/DA will be paid for appearing in the interview.