Date: 02.02.2021

Advertisement for JRF/SRF Position in Department of Computer Science and Engineering, IIT Indore

Applications are invited from motivated and eligible candidates for the position of Junior Research Fellow (JRF) or Senior Research Fellow (SRF) in a CSIR funded Research Project titled "**A novel integrated scalable system for Protein sequence and SNP data analysis using clustering and classification**".

Objectives of the Project:

The objective of this project is to design and develop scalable iterative fuzzy based clustering and classification approaches to handle Big nodes in Apache Spark cluster set up. It is further proposed to use these approaches to handle variety of huge genomics data with high clustering and classification efficacy so there is a need to come up with the highly efficient scalable feature selection or extraction approach to handle protein sequences, gene sequences, and SNP data to identify key genes in soybean related to disease resistance, tolerance to drought and genes associated with higher oil quality and quantity.

Eligibility:

Essential Qualification:

(i) JRF position: Possessing BE/BTech or equivalent degree with 55% marks and passing of GATE. Age limit: Maximum 28 years.

(ii) SRF position: Possessing (a) BE/BTech degree and at least 2 years of post BE/BTech research/teaching experience as evidenced from published papers in standard refereed journals or, (b) ME/MTech or equivalent degree in Engineering/technology. Age limit: Maximum 32 years.

Age Relaxation: Upper age limit is relaxable up to 5 years for SC/ST/OBC/Women and Physically handicapped candidates.

Desirable: Degree should be in Computer Science/computational mathematics. A background of artificial intelligence or soft-computing or machine learning or data mining is strongly recommended.

Stipend and duration:
 As per the CSIR norms, the stipend (emoluments per month) for the position is as follows:
1) JRF position: INR 31000/- + HRA (if hostel accommodation is not provided) + MA
2) SRF position: INR 35000/- + HRA (if hostel accommodation is not provided) + MA

Duration:
Initial appointment will be for one year, which is extendable up to 3 years solely based on performance.

How to Apply:

Interested candidates are requested to submit a detailed CV to **Dr. Aruna Tiwari**, Department of Computer Science and Engineering, Indian Institute of Technology Indore, via e-mail: artiwari@iiti.ac.in with subject line "Application for JRF/SRF position in CSIR Project" latest by February 20, 2021. CV should include details of academic grades starting from X standard onwards with details of year of passing, university or college, etc. and also work experience and nature of work if applicable. If a candidate has a GATE score, details such as Year of Passing, Discipline, marks, All India Rank and number of candidates appeared should be mentioned in the CV. Incomplete applications will be rejected.

For the selection process (interview):

a) Only shortlisted candidates will be called.

b) Shortlisted candidates will be informed by e-mail with the date.

c) No TA/DA will be paid for appearing.

d) Documents in support of educational qualifications, BE/BTech/ME/MTech/PhD, and experience certificates (for SRF position) must be produced at the time of selection process.

Successful candidate can also be considered for admission to Ph.D. Programme as a regular full-time scholar.