



Indian Institute of Technology Indore
Simrol Campus: Khandwa Road, Simrol Indore 453552

Ref.: IITI/MATHS/SERB/ECR/2017/000053

Dated: 13.03.2018

Advertisement for Junior Research Fellow (JRF) Position

Applications are invited from highly motivated and eligible candidates for one Junior Research Fellow (JRF) position in a SERB funded research project entitled, “Optimization models and algorithms for non-parallel support vector machines” at IIT Indore.

Objective of the project:

The main objective of this project is to develop novel optimization algorithms for non-parallel SVM for the analysis and classification of large scale benchmark datasets including human brain disorders disease datasets. The performance of the developed algorithm will be compared with the existing algorithms using several measures; classification accuracy, sensitivity, specificity, computational complexity and Matthews correlation coefficient etc.

It involves a strong background of optimization, machine learning, signal processing, and good knowledge of programming languages/software like MATLAB, C, Python etc.

Eligibility:

Essential Qualification:

(i) M.Sc. degree in Mathematics/Computer Science/Statistics/ or in equivalent streams with NET/valid GATE score.

OR

(ii) M.Tech./M.E. degree in Computer Science and Engineering/Electrical and Electronics Engineering/or in equivalent streams.

OR

(iii) B.Tech./B.E. degree in Computer Science and Engineering/Electrical and Electronics Engineering/or in equivalent streams with a GATE score.

Desirable Qualification:

Candidates having exposure to support vector machines, biomedical engineering and signal processing are encouraged to apply

Stipend:

The amount of JRF fellowship will be as per DST-SERB norms and it is INR 25,000 + 20% HRA (if hostel accommodation is not provided).

Duration:

Initial appointment will be for one year, which is extendable up to a maximum of 3 years solely based on performance. **Interested candidates will be encouraged to enroll for the PhD program at IIT Indore.**

How to Apply:

Interested candidates are requested to submit a detailed CV to Dr. M. Tanveer, Discipline of Mathematics, Indian Institute of Technology Indore, via e-mail: mtanveer@iiti.ac.in with subject line "Application for JRF position" latest by March 31, 2018. Complete information with respect to GATE score such as year of passing, discipline, score, marks, All India Rank and number of candidates appeared should be mentioned in the CV. Incomplete applications will be rejected.

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

Note: The Institute reserves the right to fill or not to fill the post advertised.