Indian Institute of Technology Indore

Simrol, Khandwa Road, Indore 453 552

Dr. Puneet Gupta

Assistant Professor, Discipline of Computer Science and Engineering

Webpage: http://www.iiti.ac.in/people/~puneet/

IIT Indore

_____

Date: 8th December 2021

Project Associate-I Position under ISRO Sponsored Project

Applications are invited from motivated and eligible candidates for the position of **Project Associate-I** in the Indian Space Research Organisation (ISRO) funded research project entitled "**Spatio-spectral Deconvolution of Hyperspectral images**".

Objectives of the Project

Hyperspectral imaging (HSI) senses many contiguous narrow-band spectral channels (typically, hundreds) while maintaining adequate spatial resolution. It makes HSI extensively useful in several real-world applications like segmentation, land cover classification, crop monitoring, object detection, mineral identification and weather analysis. As a downside, the acquired HSI is corrupted by the inevitable hyperspectral sensor noise and data acquisition process. Moreover, the storing HSI demands huge space as each pixel in HSI senses many spectral bands and each scene contains a large number of pixels. The proposed project aims to mitigate these issues, thereby improving the efficacy of HSI in real-world applications.

Duration: Initial appointment is for one year, which is extendable further based on performance. The appointment is co-terminus with the project. *The Selected candidate may be considered, through a separate process, for admission to the Ph.D. Programme as a regular full-time scholar as per the Institute norms.*

Emolument: The emolument per month for the position is: INR 31000/- + 18% HRA (if hostel accommodation is not provided)

Eligibility:

Qualification: Master's Degree in Natural or Agricultural Sciences/MVSc or Bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent. Preference will be given to the candidates:

1. whose B.E./B.Tech. are in relevant branches of Engineering/Technology like Computer Science & Engineering (CSE).
2. who have at least 2 years of post- B.E./B.Tech., research/teaching experience as evidence from published papers in standard refereed journals.
3. who have M.E./M.Tech. in relevant branches of Engineering/Technology like CSE with GATE Qualification.

Age limit: Maximum 35 years. Upper age limit is relaxable for SC/ST/OBC/Women and physically handicapped candidates as per Government of India norms.

Interested candidates are required to fill up this Google form latest by *January 4, 2022*. Incomplete applications will be rejected. Link to the Google form: https://forms.gle/HWL2PVF5D4rGY58F9

In case of any query, kindly mail to deeplearning@iiti.ac.in.

Venue, time and date of online interview: The link for online Google meet will be mailed to the selected candidates only and their interviews will be conducted on **7th January, 2022**. Kindly note that only the shortlisted candidates will be intimated by email for their interview details.