भारतीय प्रौद्योगिकी संस्थान इंदौर

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IIT Indore

Recruitment for Junior Research Fellow Position

Applications are invited for motivated and eligible candidates for the position of a **Junior Research Fellow** (JRF) in a research project entitled "**Deep Learning Based Laser Biospeckle Technique for Detection of Seed Quality Parameters**" sponsored by Science and Engineering Research Board (SERB), Government of India. Selected candidate will be involved in the development of deep learning based optical techniques for characterization of various quality parameters of seed. The aim of the project is to develop optical techniques for analysis of seed quality and propose deep learning based image processing algorithms for analysis of data. For more information about the group please visit the following web link: http://iiti.ac.in/people/~vbhatia/

Duration: Initial appointment is for one year, which is extendable up to 3 years based on the performance. *Selected candidate will be encouraged to admit into the PhD Programme as a regular full-time research scholar at IIT Indore.*

Emolument: (Rs. 31,000 + HRA) per month for 1st and 2nd year and (Rs. 35,000 + HRA) per month for the 3rd year.

Eligibility:
Essential Qualification:
1. M.E./M.Tech. in relevant branch of Electronics/Electronics & Instrumentation Engineering/Computer Engineering/Applied Physics/Optics and Related Areas with a valid GATE score and preferably with one years of research experience,
OR
2. Bachelor degree in Electrical / Electronics / Instrumentation Engineering / Computer Engineering/ equivalent branches with a valid GATE score or a valid UGC/CSIR-NET qualification,

Desirable: Strong background in deep learning and machine learning algorithms with extensive experience in modeling, implementing, and training the models. Proficiency in Python programming and experience with one or more deep learning packages including TensorFlow and PyTorch will be preferred.

Age: 28 years as on the date of selection, and relaxation as per DST-SERB and Government of India norms.

Interested candidates are required to send a detailed CV and contact Dr. Vimal Bhatia, Department of Electrical Engineering, Indian Institute of Technology Indore, via e-mail: vbhatia@iiti.ac.in with subject line: "**Applicant VB-DST-2022**". Please note that your CV should include contact details (address, mobile phone no., email ID), date of birth, and qualifications. Incomplete applications will be rejected. Last Date for submission of applications is **21, March 2022**. *Only shortlisted candidates will be intimated by email for the online interview.*