



Date: 10/02/2022

Advertisement for Junior Research Fellow (JRF) - 01 Position

Applications are invited from motivated and eligible candidates for the post of ONE **Junior Research Fellow (JRF)** to work in **Science and Engineering Research Board (SERB)** funded research project on “*Development of Fully-Automated Liver Cancer Detection and Severity Estimation System from H&E Stained Histopathological Images using Deep Learning-based Image Processing Methods*”.

Objective of the Project:

The main purpose of the project is to develop an end-to-end histopathological image based liver cancer detection that can also estimate the severity of liver cancer. This project work requires knowledge of image processing, machine learning, computer vision, programming (MATLAB, Python and Deep learning libraries etc.).

Job Role and Skill Requirements:

- Developing Image Processing and Machine Learning Algorithms
- MATLAB and Python Programming
- Embedded Board Interfacing
- Good analytical ability and competency in technical writing skills.

Essential Qualification:

B.E./B.Tech. AND M.Tech./M.E./M.S. degree in Electronics & Communication Engineering or equivalent streams in relevant areas with first class, with a qualified GATE score.

Desirable Qualification:

Good academic record and knowledge in the relevant area (Digital image processing, Machine learning, MATLAB and Python programming, Cloud computing, API interfacing) and prior work experience in the area of Biomedical Image Processing.

No. of Positions: JRF: 01

Note: As per Institute Policy, the JRF candidate may be considered for Ph.D. program as per the applicable rules. Candidates interested to extend their JRF to the Ph.D. program as per VNIT rules will be preferred.

Fellowship: Rs. 31,000/- per month consolidated (for the first 2 years),
Rs. 35,000/- per month consolidated (for 3rd year)

Duration:

The appointment will be given initially for six months, which is extendable for another six months up to maximum 03 years or completion of the project, whichever is earlier, solely based on satisfactory performance of the candidate.

How to Apply: Interested candidates are requested to apply in the prescribed format by **March 07, 2022 (Monday)**. The duly filled application form along with all the enclosures (CV, marksheets, degree certificates, GATE scorecard and other relevant documents) **must be sent as a single PDF file** to following email ids: deepgupta@ece.vnit.ac.in and er.deepgupta@gmail.com. In the subject line, please specify “**Application for JRF position in SERB project**”. Provide complete information with regard to all essential eligibility conditions, incomplete applications will be rejected.

Contact:

Dr. Deep Gupta

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Only shortlisted candidates will be intimated by email and will have to appear for a written test and/or interview on the date as communicated through email. **No TA/DA will be paid for appearing in the interview.** The decision of the **Director, VNIT Nagpur** will be final in all respect.

Dr. Deep Gupta, Principal Investigator