



**University School Of Information, Communication &
Technology**
Guru Gobind Singh Indraprastha University
Dwarka, Sector – 16 C, New Delhi – 110078



Advertisement No.: GGSIPU/USICT/DBT-APS/01

Date: 16th March 2024

JRF Recruitment in DBT Sponsored Project (Reference No. : BT/PR45388/133/58/2022, Government of India, Ministry of Science and Technology, Department of Biotechnology)

Applications are invited from eligible candidates to work as a Junior Research Fellow (JRF) in a Department of Science and Technology (DST) sponsored project at USICT, GGSIPU, New Delhi. The details are as follows:

Project Title	Application of Machine Learning for Hyperspectral Imaging and Remote Sensing aimed at Early Detection of Fungal Foliar Diseases and Bacterial Wilt Disease in Potato Crop
Number of Positions	01
Principal Investigator (PI)	Prof. (Dr.) Amit Prakash Singh
Co-PI	Dr. Anuradha Chug
Sponsoring Agency	Dept of Biotechnology (DBT)
Department	University School Of Information, Communication & Technology
Project Description	This project aims to promote agricultural sustainability through: <ul style="list-style-type: none">• Capturing and creating a diseased potato crop database, constituting of diseased leaf images as well as environmental parameters• Validation of developed modules by using high throughput molecular techniques for early detection of diseases of potato• Development of a Machine Learning Prediction Model for early detection of a disease, in Indian climatic conditions.• JRF joining in this project expected to visit various site and collect the data for experiment.
Tenure of the assignment	Initially for one year. Extendable annually till completion of the project subject to the performance and availability of funds released by the funding agency
Fellowship	INR 31,000/- per month plus HRA as per the DBT guidelines. Updated emoluments, if any, are applicable as per the DBT guidelines.
Essential Qualifications	M.Tech. in Computer Science & Engineering/Information & Communication Technology/ Information Technology/ Electronics & Communication Engineering or equivalent or MCA / MCA (SE) with a minimum of 60% aggregate score (6.5 grade point on a scale 10). For the SC/ST category, the candidate must have secured a minimum of 55% aggregate score (6.0 grade point on a scale 10).
Desirable Qualifications	Candidates with knowledge of Internet of Things (IoT), Machine Learning & image processing are desirable. In addition, preference will be given to the candidate who has qualified CSIR/UGC NET/GPAT/GATE
Other Benefits	The selected candidate may be registered for PhD at USICT, GGSIP University as per the institute norms.

G. Singh



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Application Procedure:

- Applications are to be filled ONLINE. Online link for submission of application is available from 18.03.2024 and the last date is 25.03.2024 by 5 PM.
- Candidates must fill online application form at

<https://forms.gle/h9Tbh752f46pRDV36>

- Candidates are advised to fill the online application form in sufficient time before the last date to avoid last minute technical issues. No need to send hard copy of the documents.
- Shortlisted candidates will be called for an interview. List shall be displayed on university website.

Notes:

- Selected candidate will be encouraged to join the Ph.D. program of GGSIPU as per university rules.
- No TA/DA will be paid for attending the interview.

(Dr. Anuradha Chug)

CO-PI

Email: anuradha@ipu.ac.in

Prof. Amit Prakash Singh

Principal Investigator

Email: amit@ipu.ac.in

Copy to:

1. Dean, USICT for kind information
2. Director (R&C) for kind information
3. Head, UITS with a request

Note: The detail of shortlisted candidate for interview is to be provided through email or at Institute website. Candidates are requested to check email/institute website regularly.