

# Birla Institute of Technology, Mesra, Ranchi - 835215

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Advertisement for the post of 1 Junior Research Fellow(JRF) and 1 Project Intern

Applications are invited for One post of JRF and 1 Project Intern under ISRO-CH-2 AO, a Government of India sponsored project.

Name of the Project	Machine Learning and Deep Learning based Automatic Lunar Crater Detection using Terrain Mapping Camera-2 DEM Images
Principal Investigator	Dr. Sanchita Paul Associate Professor, Department of Computer Science and Engineering, Birla Institute of Technology, Mesra, Ranchi-835215 E-mail: <a href="mailto:sanchitapaul@bitmesra.ac.in">sanchitapaul@bitmesra.ac.in</a>
Shortlisting process for Interview	The candidates would be shortlisted for an interview (online) based on their academic and professional backgrounds. Applicants will be selected based on an interview taken by the committee. The recommendations of the committee will be final.
Interview Date and Time (online/offline)	25/09/2023 at 10:30 AM

The above project will be executed in the Department of Computer Science and Engineering, Birla Institute of Technology, Mesra, Ranchi. Initial appointment for JRF shall be made for 1 year and is likely to be extended up to 2 years based on annual progress and performance of the candidate. The position shall be co-terminus with the project. The appointment of Project Intern is for 6 months.

Name of Post	Essential Qualifications/ Eligibility Criteria (Either 1 or 2)	Desirable qualification	Fellowship
<b>Junior Research Fellow (JRF)</b>	<b>1(a)</b> BE/ B. Tech and ME/M. Tech with 60% marks in the area of Computer Science and Engg. /InformationTechnology/ EEE/ ECE OR BE/ B. Tech. in Computer Science and Engg. / Information Technology/ EEE/ ECE and ME/ M. Tech. in Remote Sensing with 60% marks OR M.Sc. Geoinformatics with 60% marks	1. Candidates with knowledge of Image Processing (Remote sensing images)	Rs. 31,000/- per month (First one year) + 18% HRA
<b>1 Post</b>	<b>1(B)</b> Scholars who are selected through National Eligibility Tests CSIR or UGC NET-JRF/ NET-LS/ GATE/ INAT/ JEST. OR The post-graduation should be done at a Nationalized institute (any NIT's) and the admission should be through a National level examination conducted by any Central	2. Candidates with knowledge of Machine Learning and Deep Learning 3. Candidates with Knowledge of Python and MATLAB.	Rs. 35,000/- per month (Next year) + 18% HRA

	Government Departments and their Agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER, etc.		
	2. PG Degree in Basic Science with NET or equivalent qualification or Graduate Degree in Professional course with NET/GATE or equivalent qualification or PG Degree Professional course (ME/M.Tech.)		
<b>Project Intern</b>  <b>1 post</b>	The candidate must be in final year of M.Sc/ M.Tech. in BIT Mesra, Ranchi.	1. Candidates with knowledge of Image Processing (Remote sensing images) 2. Candidates with knowledge of Machine Learning and Deep Learning 3. Candidates with Knowledge of Python and MATLAB.	Rs. 10,000/- per month  (for only 6 months)

#### How to Apply:

- Interested candidates are requested to send their application in soft copy along with their curriculum- vitae mentioning educational qualification (percentage marks & year of passing from matriculation to M. Tech.), contact address, and scan copies of all relevant testimonials (in a single merged PDF file only) through **E-mail to: [sanchitapaul@bitmesra.ac.in](mailto:sanchitapaul@bitmesra.ac.in)** with a copy to **[ar.src@bitmesra.ac.in](mailto:ar.src@bitmesra.ac.in)** on or before **23.09.2023**. The CV must include the mail id, permanent address, and working phone number.
- The candidates would be shortlisted for online interviews based on their academic and professional backgrounds and will be intimated through email stating the time for the interview.

#### Venue, date & time of interview

- The online interview will be held on 25 September 2023, in the Department of Computer Science and Engineering at 10:30 AM.
- No TA/DA will be paid for attending the interview.

*Sandip Saha*  
05/09/2023  
**Registrar**  
Registrar  
Birla Institute of Technology  
Mesra, Ranchi