



**INDIAN INSTITUTE OF TECHNOLOGY PATNA**  
**BIHTA PATNA-801106**  
**RESEARCH & DEVELOPMENT UNIT**

**ADVERTISEMENT NO: R&D/681/DoS/241**

**DATED: 14.09.2022**

**Project No. R&D/SP/CSE/DoS/2022-23/681**

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

1. (a) Name of the temporary assignment : Junior Research Fellow  
(b) Number of Post : 2(Two)  
(c) Duration of the Post : Initially for one year followed by extension subject to satisfactory performance.  
(d) Name of the temporary research project : **“Artificial Intelligence Powered Remote sensing based Lightning & Hailstorm Alert System”**.
2. Name of the sponsoring Agency/ Program : ISRO’s Disaster Management support Program
3. Fellowship : Rs. 31,000/- per month plus HRA as per GoI rule for the first two years followed by Rs. 35,000/- per month plus HRA as per GoI rules.
4. Qualifications & Experience :
  - a) For candidates with M.Tech./ME/MS as qualifying degree, first class (minimum 65% marks or 7.0 CPI) in M.Tech./ME/MS with GATE/NET qualifications and first class (minimum 60% marks or 6.5 CPI) in B.Tech./BE in relevant subject (Computer Science/ Engineering or Computer Applications or IT or Physics with Computers or equivalent), 12<sup>th</sup> and 10<sup>th</sup> class.
  - b) For candidates with B.Tech./BE as qualifying degree, 75% marks or 8.0 CPI in B.Tech/BE from institutes other than IITs/IISc and 7.0 CPI in B.Tech. from IITS and IISc with valid GATE score and first class (minimum 60% marks or 6.5 CPI) in 12<sup>th</sup> and 10<sup>th</sup> class.
  - c) The age should not exceed 28 years for a candidate with BE/B.Tech/M.Sc. degree as the highest qualification and 32 years for a candidate with ME/M.Tech/MS degree as the highest qualification.
  - d) Relaxations for SC/ST/OBC/women/PD will be given as per the GOI norms.
  - e) Candidates with relevant work and/or prior research experience in the fields of Geo fluid Dynamics, Cloud Microphysics, Dynamic Meteorology, Numerical Weather Predictions or Android OS/ App. Development, Real time systems, Remote Sensing (Radar and Satellite)/ GIS or Artificial Intelligence, Machine Learning and Deep Learning Techniques are encouraged to apply.

**5. Description of the ONLINE MODE of the selection process–Application procedure:**

1. Candidates interested in this position and satisfying the qualification criteria with experience in the relevant field of research should write an email to the project investigator Prof. Jimson Mathew, Department of CSE, IIT Patna (Email IDs: [jimson@iitp.ac.in](mailto:jimson@iitp.ac.in)) with copy to Mr. Ved Prakash Singh, India Meteorological Department (IMD), Bhopal (Email IDs: [vp90.singh@imd.gov.in](mailto:vp90.singh@imd.gov.in)).



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2. The **subject of the email** should read as “*JRF Position as applicable*”. The last date for receiving this email is **30<sup>th</sup> September, 2022**.
3. The email **MUST** include the **scanned/pdf copy of duly filled application form** (see attached word document) with applicant’s signature.
4. The email **MUST** include self-attested scanned **pdf copy of all supporting documents** (degree certificates, mark-sheets, GATE score card (if any), and category certificate, if applicable).
5. Copy of all (if any) Scopus indexed **journal papers or project details** should be attached with the email.
6. The application should additionally include a **500-word statement of purpose (SOP)**. This document should elaborate on your interest in the broad area of this project and any relevant prior experience/skills which would help you in solving the assigned research problem.
7. The application should also include a brief **Academic CV** not exceeding two pages.
8. This project is a highly specialized, time bound, and target orientated. The qualification and experience given above in this advertisement are at the minimum requirement level and do not guarantee interview call if other candidates with higher qualification and/or experience desirable and commensurate with project objectives are available. Further, IIT Patna reserves the right to not shortlist any candidate in case the application email does not contain complete information backed up by supporting documents as listed above. All candidates who apply via email by **30<sup>th</sup> September, 2022**(deadline) and are shortlisted will be informed regarding the further details by **5<sup>th</sup> October, 2022**. The date of online interview will be announced and informed to the shortlisted candidates in due course of time.

9. **About the Project:** To know more about this project:

Applicants may contact Prof .Jimson Mathew, Department of CSE, IIT Patna (Email IDs :[jjimson@iitp.ac.in](mailto:jjimson@iitp.ac.in) or Mr. Ved Prakash Singh, India Meteorological Department (IMD), Bhopal (Email IDs :[vp90.singh@imd.gov.in](mailto:vp90.singh@imd.gov.in) or [kvpssc@gmail.com](mailto:kvpssc@gmail.com)) for further details on the research undertaken.

**Deputy Registrar**

**Copyto:**

1. Associate Dean, R&D, IIT Patna
2. Advertisement file
3. Project file



FormNo:

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PROJECT CODE: R&amp;D/SP/CSE/DoS/2022-23/681

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## FORMAT OF APPLICATION FOR “JUNIOR RESEARCH FELLOW”

Name & Address Including email id and Phone no. (for Correspondence)	Category (GEN/OBC/SC/S T/PD)	DOB dd/ mm/yy	Professional Exam. (GATE/CSIR-NET, etc) & Validity
NAME IN CAPITAL Address:  Phone: Email:			

Educational Qualification			
Institute/ Board	Exam Passed	Year of Passing	% of Marks/CPI
	10 <sup>th</sup> Class		
	12 <sup>th</sup> Class		
	Bachelors (B.Sc/B.Tech/B.E./BCA) or equivalent		
	Masters (M.Sc/M.Tech/M.E/MCA/ MA) or equivalent		

Qualifying degree	Degree/ major/Specialization
(B.Sc/B.Tech/B.E./BCA)	
(M.Sc/M.Tech/M.E/MA/MCA)	
Others	

Signature of applicant

Date:

Place: