



Dr. Arzad Alam Kherani

Associate Professor

Department of Electrical Engineering and Computer Science

Indian Institute of Technology Bhilai

GEC Campus, Sejbahar, Raipur – 492015
Chhattisgarh, India

Advertisement for the post of Project Assistant in a IMPRINT-IIC Research Project

Applications are invited from Indian nationals for the position of ‘Junior Research Fellow’ in IMPRINT-IIC project with following details:

Title of the project: Massive Multi-access to provide UHD Quality Video and real time data Delivery from a Connected Mobile Ambulance and its Extension to Other Disaster Recovery Scenario.

1. **Name of the position:** Junior Research Fellow (JRF)
2. **Number of Positions:** 01
3. **Last date of Application:** The application must reach the PI, Dr. Arzad Alam Kherani, by **Sunday, 6th September 2020 (before 5.00 pm)**
4. **Salary (p.m.):** Rs. 31,000 + 16% HRA
5. **Duration of Position:** Initial appointment will be given for nine months and is extendable on performance till the project completion (total project duration is 3 years).
6. **Essential qualifications:** As per DST-mandated qualification. Graduate/Post-Graduate in professional course selected through a process described through any of the following:
 - 1) Scholars who are selected through GATE
 - 2) The selection process through National Level examinations conducted by Central Government and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER, etc.
7. **Age limit:** 35 years
8. **Desirable:**
 - 1) Have hands on experience in Raspberry Pi.
 - 2) Expertise in Python scripting and network programming using Python.
 - 3) Expertise in web cam video streaming and it's networking.
 - 4) Knowledge of web-app development is desirable.
 - 5) Working knowledge of STUN/TURN and other NAT Traversal approaches is desirable.
 - 6) Preference will be given to candidates having JRF-NET/GATE and working experience relevant to the project.
9. **Objective of the project:** Overall objective of the project is to be able to design, develop and deploy a smart ambulance solution where live data (including image, audio and video) is streamed using multiple uplink cellular connections. The remote center requires to aggregate the multiple data stream, have a dash-board to identify the live ambulances and their locations, be able to direct the ambulance appropriately. The solution is proposed to be deployed and tested on commercially available ambulances of our validation partner.



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10. How to apply:

Interested candidates must apply on the application form attached with this advertisement. Duly completed application form along with candidate's detailed CV must be mailed or emailed to the PI, Dr. Arzad Alam Kherani at arzad.alam@iitbhilai.ac.in so as to reach him by **Sunday, 6th September 2020**. Only shortlisted candidates will be called for an online interview. The positions are available immediately.

11. Date and venue of interview: 10th September, 2020 in online mode. Further details will be communicated with the interview call.

12. Condition:

- 1) The PI shall not be responsible for delay due to invalid email address provided, if any, or any other reason for non-receipt of the document at the specified time and will result in disqualification/rejection of the application.
- 2) The decision of the selection committee will be final.
- 3) If the number of shortlisted candidates called for the interview is large, the selection committee may decide to restrict the number of candidates for the interview to a reasonable limit after considering qualifications and experience over and above the minimum prescribed in the advertisement.
- 4) The appointment of the candidate will be governed by the terms and conditions of the Institute/ funding agency particularly applicable to the said project as and when required.
- 5) The selected candidate will have to join duty immediately on receipt of the offer.
- 6) The fellowship may be terminated with a 30-day notice before completion of the tenure, if performance till date is not deemed satisfactory.

Please feel free to contact me in case of any query (Principal Investigator):

Dr. Arzad Alam Kherani,

Associate Professor,

Room B-206, Department of EECS,

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web: <https://www.iitbhilai.ac.in/index.php?pid=arzad>