



भारतीय प्रौद्योगिकी संस्थान भिलाई

जिला-दुर्ग, छत्तीसगढ़-491001

Indian Institute of Technology, Bhilai

Dist.- Durg, Chhattisgarh - 491001

Website: [www.iitbhilai.ac.in](http://www.iitbhilai.ac.in)

Annexure - II

**Advertisement for the post of JRF in ANRF funded Research Project**

Applications are invited from Indian nationals for the position of JRF in a **ANRF** Project funded research project with the following details:

**Title of the Project:** Multimodal Virtual Assistant for Diagnosis and Support of Anxiety Disorders in Indian Languages

**Principal Investigator:** Dr. Rajesh Kumar Mundotiya Designation Assistant Professor from the Department Computer Science and Engineering, respectively from IIT Bhilai, Chhattisgarh- 491002 ([rmundotiya@iitbhilai.ac.in](mailto:rmundotiya@iitbhilai.ac.in)). For other details and the project team, please visit the homepage- and <https://www.iitbhilai.ac.in/index.php?pid=rmundotiya>

**Name of the position:** Junior Research Fellow (Computer Science and Engineering)

**Number of Positions:** 01

**Essential qualifications:**

B.Tech / B.E. / M.Sc. in Computer Science (CS), Computer Science & Engineering (CSE), Electronics & Communication Engineering (ECE), Artificial Intelligence (AI), or Data Science with a minimum of 60% marks (55% for SC/ST candidates) along with a valid GATE/NET/DST Inspire qualification,

**OR**

M.Tech / M.E. or equivalent degree in CS, CSE, ECE, AI, Data Science and Artificial Intelligence (DSAI), or a related field,

**OR**

Candidates with a qualifying degree of B.Tech / B.E. / M.Sc. in CS, CSE, ECE, AI, or Data Science and a minimum of 2 years of relevant professional experience.

**Desirable:**

The ideal candidate should possess strong expertise in machine learning (ML) and deep learning (DL) algorithms, with practical experience in natural language processing (NLP), particularly focused on Indian languages and Computer Vision. They should be well-versed in handling multimodal data encompassing speech, text, facial expressions, and physiological signals. Proficiency in Python programming and familiarity with prominent libraries such as TensorFlow, PyTorch, and scikit-learn is essential. Experience with speech processing frameworks like Kaldi and ESPnet, along with libraries such as Whisper, SpeechRecognition and OpenSMILE, will be highly advantageous. Additionally, the candidate should have hands-on knowledge of data annotation, preprocessing, and feature extraction techniques across audio, video, and text modalities.



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Desirable skills include experience in affective computing, particularly emotion recognition from speech or facial cues, understanding of Indian language scripts and phonetics, and familiarity with mobile app development or integrating AI models into virtual assistant platforms. Experience working with big data environments to facilitate scalable model training and deployment will further strengthen the candidate's profile. A background or coursework in clinical psychology, psychiatry, or healthcare technology is also highly valued, as it complements the technical expertise with domain knowledge essential for this project.

**Age limit:** 29 Years

**Salary:** 36000 + 16 % HRA (As per sponsoring agency norms)

**Duration:** The project duration is **03 years**, and the position will be renewed annually based on the candidate's performance throughout the project period.

**How to apply:** Interested candidates must apply on the application form attached with this advertisement. Duly completed application form along with candidate's resume must be **submitted through the google form <https://forms.gle/t5VMWunx9YVKx8dS9> by 23/07/2025 (on or before 5.00 pm IST). Only shortlisted candidates will be called for an online/offline\* [\*depending on the situation] interview.** The positions are available immediately.

## Terms & Conditions:

- No TA/DA will be provided to the candidate for the interview
- The PI shall not be responsible for postal/courier delay 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.
- The decision of the selection committee will be final.
- 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.
- 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



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when required.

- vi. The selected candidate will have to join duty immediately on receipt of the offer.
- vii. The fellowship may be terminated with a 30-day notice before completion of the tenure if performance till date is not deemed satisfactory.



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वसुधैव कुटुम्बकम्

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