



# राजकीय इंजीनियरिंग कालेज

कटरिया याकूबपुर, अम्बेडकरनगर (उ०प्र०) — 224122 भारत

## Rajkiya Engineering College

Katariya Yakooobpur, Ambedkar Nagar, (U.P.) - 224122

AICTE APPROVED GOVERNMENT ENGINEERING COLLEGE

Affiliated to Dr. A.P.J. Abdul Kalam Technical University Lucknow, U.P., India



Ref. No.: 8943/REC/2025

Date: 08/09/2025

### **Advertisement for the post of Junior Research Assistant (JRA) under the Council of Science and Technology, Uttar Pradesh sponsored Project**

Applications are invited for one post of “Junior Research Assistant (JRA)” at a fixed emolument of Rs. 28,000/- per month for the **two years**, payable as per rule in the CST, UP-funded project entitled “**AI-centric Modeling for Detection of Social Media Malicious Activities**” sponsored by Council of Science and Technology (CST), UP for two years. The position is purely temporary and is coterminous with the project.

<b>Name of Position:</b>	Junior Research Assistant (JRA)
<b>Number of Position:</b>	01 (one)
<b>Last Date of Application:</b>	15/10/2025 (Extended)
<b>Duration of Project:</b>	Two year
<b>Emoluments:</b>	Rs. 28,000/- per month for the two years

#### **Essential Eligibility:**

As per Council of Science & Technology, U.P. General Information and Guidelines for Award of Research-Assistantship and Grant-in-aid Regulation – 1988

1. BE/B.Tech/M.Tech in Computer Science/Information Technology (or related discipline) from a recognized university.
2. High academic attainment with 1st class in graduate and post graduate (if completed) examination.
3. The applicant should be Indian citizens who are resident of Uttar Pradesh.
4. The maximum age of applicant should be below 28 years as on 1<sup>st</sup> April 2025 (relaxation as per CSTUP norms).

#### **Desirable Eligibility:**

- Expert hands-on with Deep Learning, Graph Neural Networks (GCN, GAT, GraphSAGE, Graph Transformers) and Explainable AI.
- Proficiency in Python with practical experience in major AI/ML libraries:
  - PyTorch, TensorFlow, PyTorch Geometric, DGL (Deep Graph Library), AutoGluon, Ray Tune for scalable ML/AutoML
  - NetworkX, SNAP, iGraph for network analysis
  - Hugging Face Transformers for NLP-driven misinformation detection
  - SHAP, LIME, Captum, GNNExplainer for explainability
- Familiarity with big data frameworks (e.g., Apache Spark, Dask) and cloud-based ML workflows (AWS Sagemaker, Google Vertex AI, or Azure ML) is desirable
- Strong analytical ability to extract and store large-scale social media datasets (Twitter/X, Instagram, etc.) using API-based programming
- Good communication and technical writing skills

*Aditiya Shrivastava*

*Dr. A.P.J. Abdul Kalam*

### About the Role:

We are seeking a highly motivated Research Assistant to contribute to the CST UP-funded project “**AI-Centric Modeling for Detection of Social Media Malicious Activities**”. The project focuses on designing advanced computational frameworks for detecting misinformation, disinformation, and other malicious behaviors across large-scale social media networks. The intern will gain hands-on experience in deep learning, graph neural networks (GNNs), adversarial AI defense, and explainable AI (XAI), working closely with faculty and research collaborators. This role provides a unique opportunity to engage in interdisciplinary research, leveraging state-of-the-art machine learning, network science, and AI ethics frameworks to address pressing societal challenges.

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Application as per attached format (**Annexure-1**) with the recent passport size photograph, along with proof of age (high school certificate), copy of Aadhar card, proof of resident of U.P., self- attested copies of all mark sheets & certificates, should reach the Principal investigator at the following address by **15/10/2025**.

Dr. Shivendra Kumar Pandey  
Department of Information Technology  
Rajkiya Engineering College Ambedkar Nagar  
Ambedkar Nagar, 224122, Uttar Pradesh

Application proforma (**Annexure-1**) can also be downloaded from the college website <https://www.recabn.ac.in>  
Applicants can also send scanned copies of the application and all documents in a SINGLE PDF file by email to the Principal Investigator at [shivendra@recabn.ac.in](mailto:shivendra@recabn.ac.in)

### General Terms and Conditions:

1. The position is purely temporary and is coterminous with the project.
2. The selection committee has the discretion to restrict the number of candidates to be called for the interview to a reasonable limit based on qualification and experience higher than the minimum prescribed in the advertisement.
3. Only shortlisted candidates will be communicated to appear in the interview and no other communication in this regard will be made.
4. The candidate is expected to join immediately if selected.
5. No TA/DA will be paid if called for the interview.
6. The **self-attested copies** (or scanned if sent by email) of all the relevant certificates/documents need to submit along with the application.
7. Tentative date of interview is **29/10/2025** at 10:00 AM. Any change in date and time will be communicated accordingly.
8. For further clarification regarding the application process, the candidate can discuss with the PI over email [shivendra@recabn.ac.in](mailto:shivendra@recabn.ac.in)



Dr. Shivendra Kumar Pandey (PI)  
Assistant Professor  
Rajkiya Engineering College  
Ambedkar Nagar



Dr. Adwitiya Sinha (Co-PI)  
Associate Professor,  
TERI School of Advanced Studies  
Vasant Kunj, New Delhi



Dr. Sharad Verma (Co-PI)  
Assistant Professor  
Rajkiya Engineering College  
Ambedkar Nagar

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## Application for Junior Research Assistant (JRA) Position

Department of Information Technology,  
Rajkiya Engineering College Ambedkar Nagar, 224122, Uttar Pradesh

1. Full Name:

2. Date of Birth:

3. Sex: M/F

4. Category: GEN/SC/ST/OBC:

5. Marital Status: Y/N

6. Physically handicapped: Y/N

7. Nationality:

8. Name of Father:

9. Name of Mother:

10. Permanent Address:

11. Correspondence Address:

12. E-mail Address:

13. Contact No.:

14. Educational Qualification:

Examination	Name of School, College, University/Institute with city and state	Year of passing	Subject	Percentage of marks/ GPA obtained	Division	Remarks (If any)
X/High School						
XII/Intermediate						
Diploma (if any)						
Graduation						
Post Graduation						
Any Other						

15. Working experience (if any):

16. Whether currently employed:

### Declaration

I hereby declare that I have carefully read and understood the instruction and particulars on this application and that all entries in this form as well as in the attached sheets are true to the best of my knowledge and belief.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Place: \_\_\_\_\_