



DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY

(Institute of National Importance)

G T Road Bye pass, Jalandhar -144008, Punjab (India)

Advt. No.:

Dated:

**Advertisement for the Position of Intern**

Applications are invited from the interested candidates for one post of “**Full time/ Part-time intern** to work on the project titled “**NITJ Marg-Darshak: AI-Driven Admissions Guidance Chatbot**” funded by NIT-Jalandhar. The intern will be appointed initially for six months (on contract) and his\her services can be extended as per the project requirement (or till the last date of the project) based on the performance review.

S. No.	Position	Area of Specialization	Duration	Consolidated Salary	Number of Positions
1	Full time/ Part-time Offline/Remote intern in the role of Software Developer	Chatbot platforms and full-stack development (front-end and back-end)	Initially for a period of three months which may be extended	Rs. 200/- per hour maximum upto 100 hours/month (part-time)  Rs 25000/ per month Offline/Remote (full-time)	01 (One)

**Eligibility:**

1. The candidate must be an undergraduate pursuing a B.Tech/B.E. degree or a graduate who has completed a B.Tech/B.E. degree in CSE, ECE, ETC, E&C, E&TC, EE, EEE, EI, or a related discipline, with expertise or experience in chatbot platforms and full-stack development (both front-end and back-end).
2. Students pursuing BTech/BE from NIT Jalandhar would only be considered for part-time role whereas the candidates who have completed BTech/BE (from any recognized Institute) are eligible for a full-time role.
3. Candidates must have secured a first division (60% or 6.5 CGPA) or its equivalent at all stages of their degree education as a mandatory qualification. Candidates currently pursuing a B.Tech should have no backlogs and must have achieved a first division (60% or 6.5 CGPA) in the latest semester results available."

**Objective of the Project:** Design and implement a multilingual AI chatbot using LLMs to provide accurate and context-aware responses to queries related to admissions as a proof of concept on the institute's website. Build, integrate, and thoroughly test a robust chatbot framework that is accessible across the institute's web platform.

**Required Skill Set:** Candidates should have strong skills in Natural Language Processing (NLP) and working with Large Language Models (LLMs) for multilingual chatbot development. Proficiency in full-stack web development (HTML, CSS, JavaScript, Python/Node.js), API design and integration, and cloud deployment (AWS, Azure, or GCP) is essential. Experience with databases (SQL/NoSQL), testing and debugging AI systems, and ensuring multilingual support and accessibility is required. Knowledge of UI/UX principles, data security best practices, and version control tools like Git is also expected.

**Roles and Responsibilities:** The intern will work on the project by assisting with tasks such as data collection, field work, trials, data analysis, software development, documentation, and project coordination. Specific responsibilities include supporting the design, development, and fine-tuning of a multilingual AI chatbot using Large Language Models (LLMs); contributing to front-end and back-end development for chatbot integration into the institute's website; helping in API development, cloud deployment, and multilingual support; participating in testing, debugging, and optimizing chatbot performance; ensuring data privacy compliance; and maintaining detailed project documentation.

**Application Process:** A duly filled and signed application form along with the requested details, self-attested scanned copies of certificates, relevant experience certificates, and other supporting documents, should be uploaded through Google form <https://forms.gle/hVSYcpqTvnZrfpQJ6> within 15 days of the advertisement. Interviews will be conducted for all shortlisted candidates.

**Attention:**

- The applicant is responsible for the truthfulness of all information and documents submitted.
- Having the required qualifications does not guarantee an interview. Candidates will be shortlisted based on merit and project needs.
- Shortlisted candidates will be informed about the interview by email. Applicants must give a valid email ID and phone number.
- Shortlisted candidates must bring an updated CV and original plus attested copies of certificates/mark sheets for the interview. The interviews will be conducted in Offline mode for part-time role and online/offline for full-time role.
- The last date to submit the application through the online google form within 15 days of the advertisement.
- Details about the interview (date and time) will be shared with shortlisted candidates by email.
- No travel allowance (TA/DA) will be given for attending the interview.
- Applications received after the last date will not be considered.

**Address for Correspondence**

**Dr Amritpal Singh**

*Project Coordinator*

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