



## Department of Computer Science and Engineering

राष्ट्रीय प्रौद्योगिकी संस्थान गोवा

National Institute of Technology Goa

Cuncolim, South Goa District, Goa, Pin – 403703, India

Advt. No: NITG/CSE/2024/OW/343

Date: 27/06/2024

**Advertisement for Walkin Interview for the Position of Project Associate to Implement a Project Granted by Ministry of Electronics and Information and Technology (MeitY)**

Applications are invited from the interested candidates for the post of project associate to work on an R&D project at Department of Computer Science and Engineering, NIT Goa. The position is purely temporary and is initially offered for one year which can be further extended based on the performance of the candidate.

<b>Title of the Project</b>	“Speech Technologies in Indian Languages” under the Project titled “National Language Translation Mission (NLTM)
<b>Funding Agency</b>	Ministry of Electronics and Information and Technology (MeitY)
<b>Description of the Project</b>	Development of Spoken Dialect Identification System
<b>Principal Investigator (PI)</b>	Dr. Veena Thenkanidiyoor
<b>Number of Posts</b>	01 (One)
<b>Position</b>	Project Associate
<b>Salary</b>	Rs 22,000-25,000 per month (consolidated) depending on the qualification/experience
<b>Minimum Qualification</b>	M.Tech./M.E./B.Tech./B.E. in Computer Science and Engineering/ Electrical and Electronics Engineering/Electronics and Communication Engineering with at least 6.5 CGPA or 60 percent marks in aggregate from a recognized institute or university in a full-time program.
<b>Desirable Qualification</b>	<ul style="list-style-type: none"><li>• A strong knowledge and working experience in machine learning and data analytics</li><li>• Experience of using neural networks and deep learning</li><li>• Ability to read research papers from standard conferences and journals, comprehend the methodology used and implement to reproduce the result quoted in the paper</li><li>• Experience of working on projects involving speech processing is helpful</li><li>• Experience of working on large real time projects</li><li>• GATE/NET qualification</li></ul>



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Job Responsibilities	Profile/
	<ul style="list-style-type: none"><li>• Reading and understanding research papers on the required topics</li><li>• Understanding the problem of Indian language dialect identification</li><li>• Collecting speech data for dialect identification</li><li>• Building machine learning models and designing the real time system for dialect identification</li><li>• Project document preparation, maintenance and report writing whenever necessary</li></ul>

### Brief description of the project:

India exhibits unity in diversity not only in culture and religion but also in languages spoken by people. Language plays a vital role in communication among people as well as in accessing information and building an inclusive society. India is home to 22 constitutionally recognized languages. However, there exist more than 1000 spoken languages in India. In this information era, it is important to ensure that a spoken language gets due representation in digital space. In this regard, enabling the cyber physical systems to understand and interact with people using the spoken Indian languages is very important. This avoids the people to opt for second language such as English to interact with the cyber physical systems. This will further contribute to the success of the prestigious digital India Programme of Government of India as one of the limitations faced in this arena is the need for interacting with these systems in English. This requires building systems that can analyze the spoken Indian language. An important aspect of a spoken language is its dialects. Dialects of a given language are differences in speaking style of first language or native language (L1) because of geographical and ethnic differences. An important objective of this project work is the development of dialect identification system that involves identifying the dialect of a speech utterance after identifying its language. Dialect of a speech utterance acts as a virtual geo-tag for the utterance that helps in predicting the geographical location to which a speaker belongs.

### Important Instructions:

1. Interested candidates need to duly fill the required data in the attached application form format and appear for the **walk-in interview on 11/07/2024** with all the original documents and a set of self-attested xerox copies of the same.

Venue:

Department of CSE,

NIT GOA Campus

Kottamoll Plateau, Cuncolim Municipal Area

Salcete Taluka, South Goa District

State of Goa, Pin-403703.

2. An advance copy (scan copy) of the filled application must be sent to [veenat@nitgoa.ac.in](mailto:veenat@nitgoa.ac.in) by 4:00 PM on 10/07/2024. The email must have subject line “**Application for Project Associate in the MeitY Sponsored Project**”.



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3. Incomplete application forms shall not be considered. Mere, possessing the prescribed qualification does not guarantee that a candidate would be selected. The criteria for selection will be on the basis of merit and need of the project.
4. The number of posts advertised is merely an indication of the existing vacancies. The principal investigator reserves all rights to fill/not fill or increase/decrease any number of post(s).
5. The interview shall be conducted in Offline mode only. No Online Interviews shall be permitted.
6. No TA/DA shall be paid to candidates for attending the interview and/or joining the position.
7. The appointment is for a time bound project and the candidate is required to work dedicatedly for the successful completion of the project. Selected candidate has to join immediately
8. All the Terms and Conditions for this recruitment will be as per guidelines of MeitY, Govt. of India.
9. The decision of the Institute related to all matters pertaining to the selection shall be final and binding on the applicants. No candidate will have any claim for issue of appointment letter, as a matter of right, even after recommendations by the project selection committee.

**For any information, please contact:**

Dr. Veena Thenkanidiyoor,  
Associate Professor, Department of CSE,  
National Institute of Technology Goa,  
Kottamoll Plateau, Cuncolim Municipal Area  
Salcete Taluka, South Goa District  
State of Goa, Pin-403703.  
E Mail: [veenat@nitgoa.ac.in](mailto:veenat@nitgoa.ac.in)



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### Application for the Position of Project Associate under MeitY GOI

**Title of Project:** “Speech Technologies in Indian Languages” under the Project titled “National Language Translation Mission (NLTM)”

1. Post Applied for: Project Associate

2. Name of the Candidate (BLOCKLETTER): \_\_\_\_\_

3. Father’s Name (BLOCKLETTER): \_\_\_\_\_

4. Mother’s Name (BLOCKLETTER): \_\_\_\_\_

5. (a) Date of Birth: (DD/MM/YYYY) \_\_\_\_\_

(b) Sex (Male/Female/Other): \_\_\_\_\_

(c) Marital Status (Married/Single): \_\_\_\_\_

(d) Category (SC/ST/OBC/PWD/GEN): \_\_\_\_\_

6. Previous Research experience: (use additional sheet if required) \_\_\_\_\_

7. Publication(s), if any: (use additional sheet if required) \_\_\_\_\_

8. GATE/NET Score: \_\_\_\_\_ Rank: \_\_\_\_\_ Specialization: \_\_\_\_\_ Year: \_\_\_\_\_

9. Academic Qualification: (Starting from Standard 10 or equivalent Examination)

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photograph

Name of Exam Passed	Name of the School/College/Institute/ University	Year of Passing	Discipline/ Specialization	Percentage of Marks/ CGPA



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10. (a) Address for Communication: (BLOCKLETTER)

(b) Contact No. (Mobile)

(c) E-mail ID :

11. Contact Details of two referees:

	Referee I	Referee II
Name:		
Designation:		
Organization:		
Office Address:		
Office Phone Number:		
Email ID:		

12. Areas of Expertise:

13. Experience details:

I do here by declare that the information furnished in this application is true to the best of my knowledge and belief. If selected, I promise to abide by the rules and regulations of the Institute.

Date:

Place:

Signature of the candidate