राष्ट्रीय प्रौद्योगिकी संस्थान गोवा
NATIONAL INSTITUTE OF TECHNOLOGY GOA
Cuncolim, South Goa District, Goa, Pin – 403703, India

Advt. No: NITG/CSE/2025/OW/448   **Date: 04/07/2025**

<u>Advertisement for the Position of Project Associate to Implement a Project Granted by Ministry of Electronics and Information and Technology (MeitY)</u>

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 till the end of the project (that is 31st March 2026) unless and otherwise an extension is granted by the funding agency.

[Note: The candidates who had applied against an earlier advertisement with Advt. No: NITG/CSE/2024/OW/627, dated 02/12/2024 are informed to apply again this advertisement]

Title of the Project	"**Speech Technologies in Indian Languages**" under the Project titled "National Language Translation Mission (NLTM)
Funding Agency	Ministry of Electronics and Information and Technology (MeitY)
Description of the Project	Development of Spoken Dialect Identification System
Principal Investigator (PI)	Dr. Veena Thenkanidiyoor
Number of Posts	05 (Five)
Position	Project Associate
Salary	Rs 22,000-30,000 per month (consolidated) depending on the qualification/experience (Note: This is tentative and the PI may fix higher remuneration for deserving candidates)
Minimum Qualification	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.
Desirable Qualification	• A strong knowledge and working experience in machine learning and data analytics • Experience of using neural networks and deep learning • Ability to read research papers from standard conferences and journals, comprehend the methodology used and implement to reproduce the result quoted in the paper

	• Experience of working on projects involving speech processing is helpful • Experience of working on large real time projects • GATE/NET qualification
Job Profile/ Responsibilities	• Reading and understanding research papers on the required topics • Understanding the problem of Indian language dialect identification • Collecting speech data for dialect identification • Building machine learning models and designing the real time system for dialect identification • Project document preparation, maintenance and report writing whenever necessary

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. An interested candidate possessing the requisite qualification and experience should apply in the attached format along with their updated CV latest by 21 days (i.e., by 25/07/2025) from the date of publishing of the advertisement. The applicant will be responsible for the

authenticity of information, other documents and photographs submitted.

2. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for interview. The candidates will be shortlisted on the basis of merit and need of the project.

3. Applicants who are presently in employment (private, government or any other organization) are required to submit a "No Objection Certificate" from the employer at the time of interview.

4. Interested candidates need to fill the application form (as given below) with all the details. The scan copy of duly filled and signed application form along with the scanned copies of mark sheets and other essential documents must be sent within 21 days to Dr. Veena Thenkanidiyoor (PI), through e-mail at: veenat@nitgoa.ac.in with subject line "**Application for Project Associate in the MeitY Sponsored Project**". Note: Use of the specified subject line is mandatory.

5. The shortlisted candidates will be informed by e-mail along with the date and time of the written test and/or interview. No other letter will be sent to the correspondence address.

6. Shortlisted candidates have to be present themselves for the written test and/or interview with the updated CV, hard copy of the application form (whose scan copy was sent earlier to PI), original and attested photocopies of mark sheets/certificates in support of their academic qualifications.

7. No TA/DA shall be paid to candidates for attending the interview and/or joining the position.

8. 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.

9. Incomplete application forms and forms received after due date will be summarily rejected.

10. All the Terms and Conditions for this recruitment will be as per guidelines of MeitY, Govt. of India.

ADDRESS FOR CORRESPONDENCE

Dr. Veena Thenkanidiyoor,
Associate Professor,
Department of CSE,
E Mail: veenat@nitgoa.ac.in

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): _____

| Paste here a recent passport size photograph |

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: _____
(if available)

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

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

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