राष्ट्रीय प्रौद्योगिकी संस्थान गोवा
NATIONAL INSTITUTE OF TECHNOLOGY GOA
कुंकोलिम, जिला दक्षिण गोवा, गोवा, पिन-403703
Cuncolim, South Goa District, Goa, Pin–403703

Advt. No: NITG/NTTM/Manpower/2026/OW/01 **Dated: 10/11/2026**

Advertisement for the Position of Junior Research Fellow (JRF) under the R&D project sanctioned by National Technical Textiles Mission (NTTM), Ministry of Textiles, Govt. of India

Applications are invited from the interested candidates for the post of Junior Research Fellow (JRF) to work under the R&D project titled **"Development and Performance Evaluation of a Hybrid Geo-Composite Element for Construction of Pavements on Weak Subgrade Soils",** sanctioned by the National Technical Textile Mission (NTTM), Ministry of Textiles, Govt. of India.

Total duration of the project: 33 months*

Project Order no.	**Project Title**	**Name of Post (Nos)**	**Investigator**	**Department**
1/16/2025-NTTM (12thMSG)/13	Development and Performance Evaluation of a Hybrid Geo-Composite Element for Construction of Pavements on Weak Subgrade Soils	JRF-Junior Research Fellow (01)*	Dr. Harikumar M	Civil Engineering

*The position will be offered for 1 year initially, which can be further extended based on the performance review. In case of JRF, after the completion of 2 years, the position will be converted into SRF based on the performance review. The applicant may get a chance to enroll into PhD program at NIT Goa, as per the Institute norms.

Essential Qualification and Monthly Emolument

- B.Tech/B.E. or M.Tech./M.E. in the relevant specialization of Civil Engineering with GATE qualification obtained at some point in time, and at least 6.5 CGPA on a 10-point scale grading system or 60 % marks in aggregate from a recognized technical institute or university in a full-time program. For SC/ST candidates a minimum 6.0 CGPA on a 10-point scale grading system or 55% marks, with GATE qualification obtained at some point in time.
- Per month salary will be Rs. 37,000 + 20% HRA with other allowances as per the Institute norms.

राष्ट्रीय प्रौद्योगिकी संस्थान गोवा
NATIONAL INSTITUTE OF TECHNOLOGY GOA
कुंकोलिम, जिला दक्षिण गोवा, गोवा, पिन-403703
Cuncolim, South Goa District, Goa, Pin–403703

Project Details, Objectives and Desired Skills:

Project Order no.	Objectives of the project	Desired skills
1/16/2025-NTTM(12thMSG)/13	• Development of a novel hybrid geosynthetic system comprising coir geotextile and synthetic geogrid layers. • Characterization and comparative evaluation of the developed hybrid geosynthetic. • Assessment of the performance of hybrid geosynthetics in weak pavement subgrades under static and cyclic loading conditions • Development of an Artificial Neural Network based prediction model for effective field implementation of hybrid geosynthetic systems. • Validation of laboratory findings through field-scale pavement test sections and correlation of laboratory and field performance behaviour.	• Strong knowledge of Geotechnical Engineering, Pavement Engineering, and Geosynthetics. • Experience in laboratory testing of soils, geotextiles, geogrids, and pavement materials. • Exposure to Artificial Neural Networks, Machine Learning, or predictive modelling techniques is desirable. • Proficiency in software/tools such as MATLAB, Python, PLAXIS, ABAQUS, GeoStudio, or similar engineering analysis software will be preferred. • Ability to conduct field investigations, instrumentation, and monitoring of pavement test sections. • Good technical writing, research publication, and communication skills.

Important Instructions:

1. Candidate possessing the requisite qualification and experience should apply in the attached format along with their latest updated CV. 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 based on merit and need of the project.
3. Applicants 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. Application form (as given below) giving all the details along with the self-attested copies of certificates, supporting documents and experience in soft copy should be submitted at Google Form link: https://forms.gle/T5XuYwfD7AXeXGKz8 by **01.12.2026**.

5. The Shortlisted Candidates will be informed by e-mail (apart from NIT Goa website "www.nitgoa.ac.in") along with the date and time of the written test and/or interview. No other letter in this regard will be sent to the correspondence address.
6. Shortlisted candidates must present themselves for the written test and/or interview with the updated CV, application form, original and attested photocopies of marksheets/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 must 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 NTTM, Ministry of Textiles, GoI.

For any query, please contact at below address:

Dr. Harikumar M
Assistant Professor
Department of Civil Engineering,
National Institute of Technology Goa, Cuncolim, Salcete- 403703, Goa, India
Phone: 0832 2595297
E Mail: harikumar@nitgoa.ac.in
Website: http://www.nitgoa.ac.in

राष्ट्रीय प्रौद्योगिकी संस्थान गोवा
NATIONAL INSTITUTE OF TECHNOLOGY GOA
कुंकोलिम, जिला दक्षिण गोवा, गोवा, पिन-403703
Cuncolim, South Goa District, Goa, Pin–403703

Application for the Position of Junior Research Fellow (JRF) under the R&D project sanctioned by National Technical Textiles Mission (NTTM), Ministry of Textiles, Govt. of India

Title of Project: Development and Performance Evaluation of a Hybrid Geo-Composite Element for Construction of Pavements on Weak Subgrade Soils

Paste a recent passport size photograph here

1. Post Applied for: Junior Research Fellow

2. Project Order No: 1/16/2025-NTTM(12thMSG)/13

3. Name of the Candidate (BLOCK LETTERS): _____

4. Father's Name (BLOCK LETTERS): _____

5. Mother's Name (BLOCK LETTERS): _____

6. (a) Date of Birth: (DD/MM/YYYY): _____

(b) Gender (Male/Female/Other): _____

(c) Marital Status (Married/Single): _____

(d) Category (SC/ST/OBC/PWD/GEN):_____

7. Previous Research experience: (use additional sheet if required): _____

8. Publication(s), if any: (use additional sheet if required): _____

9. GATE Score:_____ Rank:_____ Specialization:_____ Year: _____

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

Name of the Exam Passed	Name of the School/College/Institute/ University	Year of passing	Discipline/Specialization	Percentage of marks/CGPA

11. (a) Address for Communication: (BLOCK LETTERS)

……..

……..

……..

……..

……..

(b) Contact No. (Mobile): _____

(c) E-mail ID : _____

12. 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