भारतीय प्रौद्योगिकी संस्थान तिरुपति

INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
भारतीय प्रौद्योगिकी संस्थान तिरुपति
Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, A.P- 517619.

T I R U P A T I

No. Advt/IITT/CSRC/2223/26   **Date: 23 March 2023**

Applications are invited from eligible Indian nationals for the post of Project Scientist I in a time-bound Government of India Ministry of Road Transport & Highways (MoRTH), New Delhi sponsored project undertaken in the Department of Mechanical Engineering.

Temporary Position **Essential Qualification**	**Project Scientist I (1 no.)** **M.E/ M.Tech/ Ph.D in Civil Engineering or equivalent discipline from a reputed university / institution.**
Project Title & Description	**National facility for Accelerated Testing of Pavements and Vehicle Dynamics (NATPaVeD)** **Description: One of the tasks of the project involves development of materials and systems to build pavement test tracks in the facility.**
Sponsoring Agency	**Ministry of Road Transport & Highways (MoRTH), New Delhi**
Consolidated monthly Salary	**INR 56,000+ HRA**
Principal Investigators	**Dr. B. Krishna Prapoorna; Dr. Sriram Sundar**
Department/Centre	**Civil & Environmental Engineering**
Tenure of Assignment	**1 year, extendable to another 1-year subject to satisfactory performance**
Essential skills/ knowledge	**New product development, pavement analysis and design, Fine element modeling, Pavement performance testing, and performance prediction models.**
Desired Experience	**Must have exposure to interdisciplinary fields of civil engineering encompassing pavement engineering, novel materials, material characterization, vehicle-pavement interaction, mechanics, laboratory and field-testing experience, numerical modeling and analysis as well as lifecycle assessment.** **Must be willing to work efficiently in a team environment, self-motivated, and work under a variety of challenging research conditions.** **Must have good oral and written communication skills.** **Must demonstrate highest work ethics.**
Nature of the Work	**The person would be responsible for the following:** **Evaluation of the various design concepts of the pavement test tracks.** **Development of the detailed design (including analysis) of the pavement systems and layers that will be laid in the facility.** **Assist in fabrication (in-house or outside) and installation of the strain gages, sensors, and pressure gages, etc. of the pavement systems as well as instrumentation of the systems.** **Perform actual test runs and help develop test protocols / standards.**
Age Limit	**35 years (Relaxed for exceptional candidates)**
Last date of Application	**05 April 2023**
Notes	**Given the nature of the project, work needs to be carried out in the laboratory and field. Therefore, it is expected that the candidate resides on-campus IITT to create and use the laboratory facilities to complete the tasks.**

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Eligible candidates must send a **detailed CV** specifying the qualifications and experience **and a statement of purpose (CV and statement of purpose must be sent as a one-single PDF with name clearly marked on the file as follows: IITT_PS_Name)** on or before **05 April 2023** to Dr. Krishna Prapoorna, Associate Professor & Head, Department of Civil & Environmental Engineering, IIT Tirupati at bkp@iittp.ac.in & csrc_recruitment@iittp.ac.in

The statement of purpose must include responses to the following questions:
1. What motivates you towards pursuing this position? (max. 200 words)
2. Describe your research interests in the advertised area and provide a framework to accomplish the research tasks aligned with the project. Please use schematics, figures, flowchart, and relevant references, as appropriate. (max. 500 words).

The shortlisted candidates will be informed by email only. Selection will be based on the qualification, experience, and interview. The interview details will be shared in the call letter. The interview date will be notified to the shortlisted candidates by email. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof.