

No.: Advt/ IITT/CSRC/2021-22/12

Date: 12 Jan 2022

Project Ref. No. CIE/2122/003/MORT/KRIS

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

<b>Temporary Position</b>	<b>Research Scholar – 1</b>
<b>Essential Qualification</b>	<b>B.E. / B.Tech in Civil Engineering or equivalent degree with 80% marks and valid GATE score or B.Tech in Civil Engineering or equivalent degree from IIT with minimum 8 CGPA out of 10 or MS/ME/MTech in Civil Engineering or equivalent degree with minimum of 80% marks.</b>
<b>Project Title</b>	<b>National facility for Accelerated Testing of Pavements and Vehicle Dynamics (NATPaVeD)</b>
<b>Sponsoring Agency</b>	<b>Ministry of Road Transport &amp; Highways (MoRTH), New Delhi</b>
<b>Consolidated monthly Salary</b>	<b>Rs. 35,000 per month</b>
<b>Principal Investigators</b>	<b>Dr. B. Krishna Prapoorna; Dr. Sriram Sundar</b>
<b>Department/Centre</b>	<b>Civil &amp; Environmental Engineering; Mechanical Engineering</b>
<b>Tenure of Assignment</b>	<b>1 year, extendable to another 1 year subject to satisfactory performance</b>
<b>Desired Experience</b>	<ul style="list-style-type: none"> <li>• 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 as well as numerical modeling and analysis</li> <li>• Must be willing to work efficiently in a team environment, self-motivated, and work under a variety of challenging research conditions</li> <li>• Must have good oral and written communication skills</li> <li>• Must demonstrate highest work ethics.</li> </ul>
<b>Nature of the Work</b>	<b>The project includes conducting field and laboratory experiments on a variety of paving mixtures (example: field instrumentation, mix design and characterization), collection of data pertinent to highways as well as post-processing that involves lifecycle assessment as well as numerical modeling and computation.</b>
<b>Age Limit</b>	<b>28 years (Relaxed for exceptional candidates)</b>
<b>Last date application</b>	<b>24 January 2022</b>
<b>Notes</b>	<b>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 use the laboratory facilities to complete the tasks.</b>

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\_RS\_YourName)** on or before **24 January 2022** to Dr. B. Krishna Prapoorna, Associate Professor & Head, Department of Civil & Environmental Engineering, IIT Tirupati at [bkp@iittp.ac.in](mailto:bkp@iittp.ac.in)

The statement of purpose must include responses to the following questions:

1. What motivates you towards pursuing the Research Scholar position? (max. 200 words)
2. Describe your research interests in the advertised area. (max. 300 words)
3. Explain briefly the tentative research plan by using schematics, figures, flowchart, and relevant references. (max. 500 words).

The shortlisted candidates will be informed by **email only**. Selection will be based on the qualification, experience and interview. **The interview and other logistics will be conducted via online only**. The interview date will be notified to the shortlisted candidates by email. Candidate may appear in the interview through video conferencing. IIT Tirupati reserves the right to reject any or all the applications without assigning any reason thereof.

**Dean, CSRC**