Project Description: *Title: Understanding the effectiveness of bicycle lanes on Indian streets in enhancing bicyclist's safety and efficiency*

The project aims to understand and compare the bicyclist's behaviour when interacting with motorized vehicles in the absence and presence of a bicycle lane using a bicycle simulator. A VR-based bicycle simulator and design of the experiment are ready. Subsequent stages include conducting experiments, conducting data analyses, and communicating findings through journal and conference publications.

Eligibility:

- Ph.D. (or submitted Ph.D. thesis) in Civil Engineering or other fields with a focus on Traffic Engineering (Traffic Safety is a plus).

Skills Expected:

- High self-motivation

- Ability to conduct independent research with minimal supervision

- Demonstrated proficiency in building statistical models

- Proficiency in handling large datasets (such as those from driving simulators)

- Experience in working with simulators is a plus

- Strong communication skills – oral communication and technical writing

Selected Candidates Will be Offered:

- Position: Postdoctoral Research Associate

- Salary: Commensurate with qualification and experience, as per IISc's norms

How to Apply: Click here to fill the form and upload the following files:

- Cover letter

- CV including education, relevant experience and projects, list of publications, and contact information

- Names and contact information of three individuals who can provide reference letters

Deadline: The last date to submit applications is before **20th April 2024**. Interviews will occur as and when suitable applications are received.

Note: The initial appointment will be for one year (with a probation period of 4 months), subsequently extendable based on performance and funding.