



# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

**Advertisement No.: IRCC/EXT060/2023**

## **Job Title**

Senior Project Research Scientist

## **Job Reference Number**

50393845

## **Application End Date**

23.03.2023

## **Type of Employment**

Proj. Staff Contract

## **No. of Position(s)**

2

## **IITB Project Recruitment:**

Project title: Indian Telecom Security policy

About the project: 5G has modular architecture consisting of several network functions (NFs). Network Functions Virtualization (NFV) is a key technology of 5G that allows the NFs to be run in virtualized environments, enabling efficient implementation and easy management of NFs. The NFV feature increases the agility and efficiency of the networks and removes the dependency on custom hardware, reducing the cost significantly. However, the downside is it increases the attack surface. As NFs will handle user data, it is important to address security and privacy issues in the 5G networks.

The project aims to develop Indian Telecom Security Assurance Requirements (ITSAR) for important NFs and develop methods to test compliance. The project is funded by the National Centre for Communication Security, Department of Telecom, Govt. of India. The duration of the project is 3-5 years.

## **Essential Qualifications & Experience:**

PhD OR

MTech/ME/MDes/MBA or equivalent degree with minimum 4 years relevant experience OR

BTech/BE/MA/MSc/MCA or equivalent degree with minimum 6 years relevant experience

## **Job Profile:**

Implement key security features of important NFs using opensource/licensed 5G core and develop test scripts to check security compliance. Good knowledge of network/cyber security and coding is beneficial.

## **Pay Details:**

Level: PR-O3: Salary Range from Rs.58800 to Rs. 109200 + Rs.10000.00/- Out Of Campus

Allowance (if applicable) p.m.

***General information:***

The position is temporary for a period of 1 year and tenable only for the duration of the project. The appointment is for time bound project and the candidate is required to work mainly for the successful completion of the project. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview.

Candidates called for interview will be required to attend at his/ her own expenses.

For any queries/clarification please contact: [recruit@ircc.iitb.ac.in](mailto:recruit@ircc.iitb.ac.in)