



# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

**Advertisement No.: IRCC/EXT076/2022**

**Job Title**

Junior Research Fellow

**Job Reference Number**

50303046

**Application End Date**

24.05.2022

**Type of Employment**

Proj. Staff Contract

**No. of Position(s)**

1

**IITB Project Recruitment:**

Project title: Study of the tomography of the Nucleon

About the project: In this project we plan to investigate the three dimensional structure of the nucleon in position and momentum space. The project involves theoretical calculation of single spin asymmetries in terms of transverse momentum dependent parton distributions. Also we plan to explore the mechanical properties of the nucleon like pressure and mass distributions in terms of quarks and gluons.

**Essential Qualifications & Experience:**

Candidate should have a first class in M. Sc (Physics) and should have done courses on relativistic quantum mechanics and quantum field theory as part of the curriculum.

**Pay Details:**

Consolidated salary Rs.31000/- 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.

Interview will be conducted online.

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