INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT227/2022

Job Title
Project Research Engineer

Job Reference Number
50362531

Application End Date
15.11.2022

Type of Employment
Proj. Staff Contract

No. of Position(s)
 2

IITB Project Recruitment:

Project Title: Diseases and Interventions Modelling to Action Group (DIMAG)

About the project: IIT Bombay is the anchor organisation of a Disease Modelling Consortium. The consortium will house a secretariat and partner with various institutions for the disease modelling work. The disease modelling consortium will serve as a domestic institutional set-up for supporting policy & programmatic decisions on infectious diseases through transmission and system modelling. Their modelling work will act as a bridge between control & elimination of infectious diseases and strengthening integrated disease surveillance.
The main objectives of the consortium are to:
- To build an institutional nucleus for the country's disease modelling ecosystem, capacities, & capabilities to grow
- To generate sub-national disease burden and impact estimates
- To guide disease prevention interventions dynamically in focus geographies
- To measure progress and evaluate the performance of the various disease control and elimination programmes through disease modelling
- To train future modellers through various programs and workshops

Essential Qualifications & Experience:
MTech/PhD degree in any engineering discipline, resource engineering, or Applied Mathematics, Statistics, Biostatistics, Computational Mathematics.
The RAs should be experts in the use of the GIS, C++, python, Matlab/R. Candidates should have knowledge of basic statistical tools. Prior experience using publicly-accessible large regional/national dataset will be a huge advantage.

Job Profile:
a) The RAs will be required to develop visual tools for studying infectious disease burden.
b) They should be experts in creating disease dashboards and disease risk maps.

Pay Details:
Level PR-O1: Salary range from Rs.33600 to Rs.67200 + Rs.6250/- 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