

Job: Senior Modeller

Apply here: <https://forms.gle/5qmP7Wq9YbaCWwSA8>

About the project: IIT Bombay is the lead institution of the National Disease Modelling Consortium (NDMC). The consortium partners with various institutions across the country for disease modelling research. The consortium aims to develop India-specific disease models to address policy and programmatic questions, to improve disease control and intervention strategies in the country. More information about the consortium can be found at www.ndmconsortium.com

Essential Qualifications & Experience:

PhD in Mathematics /Statistics /Physics /Engineering /Sciences with minimum 6 years relevant experience

OR

MTech / MD or equivalent degree with minimum 10 years relevant experience

Candidates should have:

- Significant experience in disease modeling and forecasting, statistical data analysis.
- Demonstrated modelling outputs across more than one infectious disease.
- Strong programming skills (C++/R/Python/MATLAB).
- Sufficient experience in managing a team and projects at a higher level scientific position.
- Excellent written and verbal communication skills.

Job Profile

- This is a leadership position involving effective mentoring of junior modellers, with initiative & independence, to achieve desired results.
- The candidate will play a key role in designing, developing, and interpreting models for infectious diseases, while mentoring junior team members.
- Collaborate closely with faculty members, epidemiologists, clinicians, and data scientists.
- Interact with program representatives to identify relevant questions for modelling.
- Analyse and interpret complex epidemiological and health systems data.
- Present modelling work to relevant stakeholders on behalf of NDMC.
- Contribute to policy briefs, reports, and peer-reviewed publications.

Pay Details:

Level PR-O4: INR 179726 (without HRA)/ 212963 (including HRA)