

Mathematical Modelling Internship with Accommodation at Bengaluru

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50 Active Categories	10 Focused Areas	Bengaluru Accommodation Location
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How to View Accommodation Details and Booking Options

1. Open the Internships page or the corresponding Topics page.
2. Select the relevant focused area.
3. Select the available duration, mode and internship type.
4. Choose **Offline** mode to access accommodation booking options.
5. Continue to the fee/payment page and use the **Branches Select Option**.
6. After selecting the branch, use **Book NTHRYS Accommodation** to view accommodation fee, facility photographs, amenities and the available booking details.

Mathematical Modelling Internship Categories

AI Epidemiological Modelling Research https://internships.nthrys.com/mathematical-modelling/ai-epidemiological-modelling-research	Machine Learning Climate Mathematical Model Research https://internships.nthrys.com/mathematical-modelling/machine-learning-climate-mathematical-model
AI Biological System Modelling Research https://internships.nthrys.com/mathematical-modelling/ai-biological-system-modelling-research	AI Financial Mathematical Modelling Research https://internships.nthrys.com/mathematical-modelling/ai-financial-mathematical-modelling-research
AI Agent-Based Modelling Research https://internships.nthrys.com/mathematical-modelling/ai-agent-based-modelling-research	AI Network Modelling Research https://internships.nthrys.com/mathematical-modelling/ai-network-modelling-research
AI Multiscale Mathematical Modelling Research https://internships.nthrys.com/mathematical-modelling/ai-multiscale-mathematical-modelling-research	AI Stochastic Modelling Research https://internships.nthrys.com/mathematical-modelling/ai-stochastic-modelling-research
AI Optimal Control Modelling Research https://internships.nthrys.com/mathematical-modelling/ai-optimal-control-modelling-research	AI Physics-Informed Neural Modelling Research https://internships.nthrys.com/mathematical-modelling/ai-physics-informed-neural-modelling-research
Nonlinear Dynamical Systems Analysis Research https://internships.nthrys.com/mathematical-modelling/nonlinear-dynamical-systems-analysis-research	Computational Fluid Dynamics Modelling https://internships.nthrys.com/mathematical-modelling/computational-fluid-dynamics-modelling
Partial Differential Equations Solver Research https://internships.nthrys.com/mathematical-modelling/partial-differential-equations-solver-research	Spatial-Temporal Pattern Formation Modelling https://internships.nthrys.com/mathematical-modelling/spatial-temporal-pattern-formation-modelling

Population Dynamics and Evolutionary Modelling https://internships.nthrys.com/mathematical-modelling/population-dynamics-evolutionary-modelling	Optimization Algorithm Development Research https://internships.nthrys.com/mathematical-modelling/optimization-algorithm-development-research
Supply Chain Logistics Modelling https://internships.nthrys.com/mathematical-modelling/supply-chain-logistics-modelling	Traffic Flow and Transportation Modelling https://internships.nthrys.com/mathematical-modelling/traffic-flow-transportation-modelling
Epidemic Model Parameter Estimation https://internships.nthrys.com/mathematical-modelling/epidemic-model-parameter-estimation	Quantum Computing Algorithm Modelling https://internships.nthrys.com/mathematical-modelling/quantum-computing-algorithm-modelling
Materials Science Phase Field Modelling https://internships.nthrys.com/mathematical-modelling/materials-science-phase-field-modelling	Uncertainty Quantification in Models https://internships.nthrys.com/mathematical-modelling/uncertainty-quantification-in-models
Graph Theory Network Analysis Research https://internships.nthrys.com/mathematical-modelling/graph-theory-network-analysis-research	Biomechanics and Movement Modelling https://internships.nthrys.com/mathematical-modelling/biomechanics-movement-modelling
Data Assimilation and Inverse Problems https://internships.nthrys.com/mathematical-modelling/data-assimilation-inverse-problems	Power Grid Stability Analysis Research https://internships.nthrys.com/mathematical-modelling/power-grid-stability-analysis-research
Tumor Growth and Cancer Modelling https://internships.nthrys.com/mathematical-modelling/tumor-growth-cancer-modelling	Continuum Mechanics Modelling Applications https://internships.nthrys.com/mathematical-modelling/continuum-mechanics-modelling-applications
Game Theory Strategic Interaction Modelling https://internships.nthrys.com/mathematical-modelling/game-theory-strategic-interaction-modelling	Renewable Energy System Optimization https://internships.nthrys.com/mathematical-modelling/renewable-energy-system-optimization
Chemical Reaction Network Modelling https://internships.nthrys.com/mathematical-modelling/chemical-reaction-network-modelling	Machine Vision and Image Processing Models https://internships.nthrys.com/mathematical-modelling/machine-vision-image-processing-models
Structural Health Monitoring Modelling https://internships.nthrys.com/mathematical-modelling/structural-health-monitoring-modelling	Geophysical Subsurface Flow Modelling https://internships.nthrys.com/mathematical-modelling/geophysical-subsurface-flow-modelling
Social Network Influence Propagation Research https://internships.nthrys.com/mathematical-modelling/social-network-influence-propagation-research	Acoustic Wave Propagation Modelling https://internships.nthrys.com/mathematical-modelling/acoustic-wave-propagation-modelling
Genetic Algorithm and Evolutionary Computation https://internships.nthrys.com/mathematical-modelling/genetic-algorithm-evolutionary-computation	Pharmacokinetics and Drug Delivery Modelling https://internships.nthrys.com/mathematical-modelling/pharmacokinetics-drug-delivery-modelling
Climate Adaptation and Mitigation Modelling https://internships.nthrys.com/mathematical-modelling/climate-adaptation-mitigation-modelling	Neural Network Architecture Optimization https://internships.nthrys.com/mathematical-modelling/neural-network-architecture-optimization
Robotics Path Planning and Control https://internships.nthrys.com/mathematical-modelling/robotics-path-planning-control	Wireless Network Coverage Optimization https://internships.nthrys.com/mathematical-modelling/wireless-network-coverage-optimization
Cardiac Electrophysiology Modelling https://internships.nthrys.com/mathematical-modelling/cardiac-electrophysiology-modelling	Swarm Robotics Collective Behavior Research https://internships.nthrys.com/mathematical-modelling/swarm-robotics-collective-behavior-research
Manufacturing Process Control Modelling https://internships.nthrys.com/mathematical-modelling/manufacturing-process-control-modelling	Neuron Firing and Brain Dynamics Modelling https://internships.nthrys.com/mathematical-modelling/neuron-firing-brain-dynamics-modelling
Climate Extreme Events Probability Modelling https://internships.nthrys.com/mathematical-modelling/climate-extreme-events-probability-modelling	Vaccine Distribution and Equity Optimization https://internships.nthrys.com/mathematical-modelling/vaccine-distribution-equity-optimization
Coral Reef Ecosystem Dynamics Modelling https://internships.nthrys.com/mathematical-modelling/coral-reef-ecosystem-dynamics-modelling	Urban Heat Island Effect Mitigation Modelling https://internships.nthrys.com/mathematical-modelling/urban-heat-island-effect-mitigation-modelling

Mathematical Modelling Internship Topics and Focused Areas

AI Biological System Modelling Research

- Protein Folding Prediction Using Deep Learning
- Systems Biology Network Analysis
- Pharmacokinetic and Pharmacodynamic Modeling
- Computational Neuroscience and Neural Circuit Modeling
- Tumor Growth and Cancer Progression Modeling

Neuron Firing and Brain Dynamics Modelling

- Hodgkin-Huxley Model Implementation and Parameter Optimization

- Neural Network Synchronization and Coupled Oscillator Dynamics
- Stochastic Neuron Models and Noise Effects on Spike Timing
- Bifurcation Analysis and Neuronal Excitability Transitions
- Multi-scale Brain Dynamics: From Single Neurons to Population-Level Activity

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