

NTHRYS WORKSHOPS

Introduction To Mathematical Modelling

8:45 AM - 10:15 AM: Session 1: Basics of Mathematical Modelling

Overview of mathematical modelling principles and applications.
Hands-on session on creating simple mathematical models.
Introduction to the importance of mathematical modelling in various fields.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Data Collection and Analysis

Interactive session on data collection techniques for modelling.
Workshop on analyzing and interpreting data for model building.
Practical demonstration of data preprocessing steps.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Building Mathematical Models

Exploring techniques for building mathematical models.

Hands-on training on differential equations and statistical models.
Case studies on the application of mathematical models in research.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Model Validation and Testing

Workshop on validating and testing mathematical models.
Practical techniques for model verification and validation.
Case studies on ensuring model accuracy and reliability.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.

Certificate Issue

5:30 PM: Workshop Concludes