

## **Schedule of the Mini school (May 22-24, 2026)**

**Venue: DLT6, DLT7, DLT8, Lecture Halls, BITs Pilani - KK Birla Campus, Goa, India**

### **Theme 1: Microscopy-Imaging (Room: DLT 7)**

#### **Day 1: (22/05/2026)**

Session 1 (9:30 AM - 12:30 PM) Prof. V A Raghunathan: Theory of scattering

Session 2 (2:30 PM - 5:30 PM) Prof. Pramod Pullarkat: Microscopy for soft-matter

#### **Day 2: (23/05/2026)**

Session 1 (9:30 AM - 12:30 PM) .Prof. Shivprasad Patil: Atomic Force Microscopy: From Invention to Quantitative Nanoscale Rheology

Session 2 (2:30 PM - 5:30 PM): Prof. Pramod Pullarkat: Optical Tweezers for soft-matter

#### **Day 3: (24/05/2026)**

Session 1 (9:30 AM - 12:30 PM) Prof. Roberto Cerbino: Probing Soft Matter Dynamics with Light: From DLS to DDM

Session 2 (2:30 PM - 5:30 PM) ACS Boot camp

### **Theme 2: Active Matter: (Room: DLT 8)**

#### **Day 1: (22/05/2026)**

Session 1 (9:30 AM - 12:30 PM) Prof. Rajesh Singh: Wet active matter systems.

Session 2 (2:30 PM - 5:30 PM) Prof. Rahul Mangal: Introduction to Active Matter, Artificial Micro-swimmers, and Rheology of Active Matter

#### **Day 2: (23/05/2026)**

Session 1 (9:30 AM - 12:30 PM) Prof. Ignacio Pagonabarraga: Motility induced phase separation in dry active matter

Session 2 (2:30 PM - 5:30 PM): Prof. Rahul Mangal: Artificial Micro-swimmers: Experimental Techniques

**Day 3: (24/05/2026)**

Session 1 (9:30 AM - 12:30 PM) and Prof. Shashi Thutupalli: Active Droplets

Session 2 (2:30 PM - 5:30 PM) ACS Boot camp

**Theme 3: Computational Soft Matter (Room: DLT 6)**

**Day 1: (22/05/2026) (D101, D103)**

Session 1 (9:30 AM - 12:30 PM) & Session 2 (2:30 PM - 5:30 PM)

Prof. Rituparno Mandal: Machine Learning in Soft Matter

**Day 2: (23/05/2026)**

Session 1 (9:30 AM - 12:30 PM)

Prof. Sarika Maitra Bhattacharyya: Role of structure in the dynamics of Supercooled liquid

Session 2 (2:30 PM - 5:30 PM)

Prof. Douglas J. Durian: Training soft matter how to compute

**Day 3: (24/05/2026)**

Session 1 (9:30 AM - 12:30 PM)

Prof. Ravi Prakash Jagadeeshan: Micro and macro in the dynamics of dilute polymer solutions

Session 2 (2:30 PM - 5:30 PM) ACS Boot camp