# Course contents:

| Lecturer | Course title |
|---|---|
| A.K. Jain (IIT-Roorkee) & Kripamay Mahata (BARC) | Basics on nuclear fission |
| Avazbek Nasirov (JINR-Dubna) | Quasi-fission: models and theory |
| R.K. Choudhury (Mumbai) | Fission fragment angular, mass and energy distribution |
| Santanu Pal (Kolkata) | Stochastic dynamical models of fission |
| Chandana Bhattacharya (VECC) | IMF emission at low energy nucleus nucleus collision |
| Ajit K. Sinha (UGC-DAE-CSR-Kolkata) | Fission hindrance |
| Gargi Choudhury (VECC) | Multi fragmentation |
| Aradhana Srivastava (BARC) | An overview of sub-barrier and deep sub-barrier fusion fission |
| Subinit Roy (SINP) | Fusion near barrier |
| Bivash R Behera (Panjab University) | Neutron as a probe to study fission dynamics |
| Dieter Ackermann (GSI) | Super Heavy Elements: production and structure features. |
| Maurycy Rejmund (GANIL) | Richness of experimental approaches to study and exploit the process of nuclear fission |
| Sudhee R Banerjee (VECC) | Giant Dipole Resonance |