

Semester - I

Module – I

Compulsory Core Papers:

1. Remote Sensing & Image Interpretation
2. Digital Image Processing
3. Geographic Information System
4. Photogrammetry, Cartography & GNSS

Elective Papers:

- 1.5a Statistics and Programming for Geodata
1.5b Statistics & RS Applications in NRM

Semester - II

Module – II

Eight Specializations:

1. Agriculture and Soils
2. Forest Resources & Ecosystem Analysis
3. Geosciences
4. Urban and Regional Studies
5. Marine & Atmospheric Sciences
6. Water Resources
7. Satellite Image Analysis & Photogrammetry
8. Geoinformatics
9. Natural Hazards & Disaster Risk Management

Note: 4 papers in each specialization

Module – III

Compulsory Core Papers:

- 3.1 Research Skill
3.4 Multi-disciplinary Case Study/Seminar
- Elective Papers:**
- 3.2a Technology & Standards for Geospatial Workflows
3.2b Geospatial Technologies for Environmental Monitoring & Analysis
3.3a Analytical Cartography & 3D GIS
3.3b Climate Change Impacts on Natural Resources

Semester – III & IV

Dissertation

**Synopsis Seminar
Mid-term Presentation
Dissertation Defence**