

M Sc. (Geo-spatial Science & Technology) Course Structure and Syllabus*

SL.No.	Code No.	Subject	Theory	Practical
Semester I				
Theory				
1	GST 1.1	Topographical Surveying and Mapping	4	
2	GST 1.2	Introduction to Geodesy	4	
3	GST 1.3	Object Oriented Programming System & DBMS for GIS	4	
4	GST 1.4	Principles of Remote Sensing	4	
Lab				
5	GST 1.5	Surveying and Geodesy Lab		4
6	GST 1.6	OOPS & DBMS Lab		4
7	GST.1.7	Remote Sensing Lab		4
Semester II				
Theory				
1	GST 2.1	Elements of Photogrammetry	4	
2	GST 2.2	Principles of Geographical Information Systems(GIS)	4	
3	GST 2.3	Spatial Analysis and Modelling	4	
4	GST 2.4	Elective – I	4	
Lab				
5	GST 2.5	Photogrammetry Lab.		4
6	GST 2.6	GIS Lab.		4
7	GST 2.7	Spatial Analysis and Modelling Lab.		4
Semester III				
Theory				
1	GST 3.1	Digital Photogrammetry	4	
2	GST 3.2	Digital Cartography, Visualization and Web GIS	4	
3	GST 3.3	Advanced Geodesy	4	
4	GST 3.4	Elective – 2	4	
Lab.				
5	GST 3.5	Digital Photogrammetry lab		4
6	GST 3.6	Digital Cartography lab		4
7	GST 3.7	Advanced Geodesy Lab.		4
Semester IV				
1	GST 4.1	Project Work and Seminar		

Elective – I

1 Spatial Data Infrastructures

2 Cadastre & Land Administration

3 Natural Resource and Disaster Management

4 Water Resource Management

Electives 2

1 Word Wide Web Creation for Spatial Data Dissemination

2 Urban Planning & Land Administration

3 Environment Management

4 Space & Marine Geodesy

5 Project Management and Organizational Development

**Subject to periodic revision by JNTUH*