

Specialization in –(– Geoinformatics)

II SEMESTER

Sl. No	Course	Course Code	Course Title	Teaching & Learning Scheme					Examination				Credits
				CI		LI	TW & SL	Total Hours	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	PCC/ IPCC	1MCGI201	Geospatial Data Science (IPCC)	42	0	28	50	120	03	50	50	100	4
2	PCC	1MCGI202	Photogrammetry, UAV Mapping & 3D Modelling	42	0	0	48	90	03	50	50	100	3
3	PCC	1MCGI203	Remote Sensing Applications in Natural Resources	42	0	0	48	90	03	50	50	100	3
4	PCC	1MCGI204	GNSS, Survey Automation & Digital Cadaster	42	0	0	48	90	03	50	50	100	3
5	PEC	1MCGI205X	PEC–III	42	0	0	48	90	03	50	50	100	3
6	PEC	1MCGI206X	PEC–IV	42	0	0	48	90	03	50	50	100	3
7	PCC L	1MCGIL207	GIS & Earth Observation Lab	0	0	28	02	30	03	50	50	100	1
8	PCC	1MCGIS208	Minor Project / Skill Project	0	0	0	60	60	03	50	50	100	2
Total										400	400	800	22

Professional Elective Courses (PECs)			
PEC-III		PEC-IV	
Code	Title of the Course	Code	Title of the Course
1MCGI205A	LiDAR Data Processing & 3D Infrastructure Modelling	1MCGI206A	Smart Cities & Digital Twin Technologies
1MCGI205B	Geospatial AI & Machine Learning	1MCGI206B	Earth Observation for Climate Resilience
1MCGI205C	Spatial Hydrology & Flood Modelling	1MCGI206C	Satellite Image Analytics & Big Data
1MCGI205D	Geostatistics & Terrain Analytics	1MCGI206D	Land Information Systems & SDG Monitoring
1MCGI205D	Geospatial data Analytics	1MCGI206E	Climate Resilient Disaster Management



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