VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELAGAVI

Scheme of Teaching and Examinations (2026)

M. Tech., in Geoinformatics

Choice-Based Credit System (CBCS) and Outcome-Based Education (OBE)

Specialization in –(Geoinformatics)

II SEMESTER

Sl. No	Course and Course Code		Course Title	Teaching Department(TD) and QuestionPaper SettingBoard(PSB)	Teaching and Learning Scheme					Examination				Credits
					Classroom Instruction (CI) hours per semester		Laboratory Instruction (LI) hours Per semester	Termwork& self -learning inhours	Teaching -Learning hourspersemester= CI+LI+TW+SL	Duration in h ours	CIE Marks	SEE Marks	Total Marks	
					L	T	P	TW+SL						
1	IPCC	1MCGI201	Geospatial Data Science		42	0	28	50	120	03	50	50	100	4
2	PCC	1MCGI202	Unmanned Aerial Systems (UAS) and Spatial Applications		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 Cadastre		42	0	0	48	90	03	50	50	100	3
5	PEC	1MCGI205x	Professional Elective Courses-III		42	0	0	48	90	03	50	50	100	3
6	PEC	1MCGI206x	Professional Elective Courses-IV		42	0	0	48	90	03	50	50	100	3
7	PCCL	1MCGIL207	GIS & Earth Observation Lab		--	--	28	2	30	03	50	50	100	1
8	PCC	1MCGIS208	Minor Project /Ability Skill Development Project*		--				60	03	50	50	100	2
Total (In case of regular students)									**660**	--	**400**	**400**	**800**	**22**

***** An Ability Enhancement Course Laboratory is a practical, skill-oriented lab course designed to strengthen students' practical abilities, professional competencies that support communication, environmental awareness, computational thinking, interdisciplinary learning, and application skills through hands-on learning experiences. The laboratory may pertain to disciplinary or interdisciplinary involving experiments, design tasks, and mini-projects aligned with current industry practices.

Professional Elective Courses (PECs)					
PEC-III			**PEC-IV**		
Code	**Title of the Course**		**Code**	**Title of the Course**	
1MCGI205A	Advanced Earth Observation Systems: Indian and International Perspectives		1MCGI206A	Land Information Systems & SDG Monitoring	
1MCGI205B	LiDAR Data Processing & 3D Infrastructure Modelling		1MCGI206B	Geoinformatics in Marine and Coastal Resources Management	
1MCGI205C	Geoinformatics in Weather and Climate Studies		1MCGI206C	GIS-BIM Integration for Digital Infrastructure and Digital Twins	
1MCGI205D	Thermal, Microwave and Hyper spectral Remote Sensing		1MCGI206D	Geoinformatics in Demography, Business Health and Infrastructure Planning	