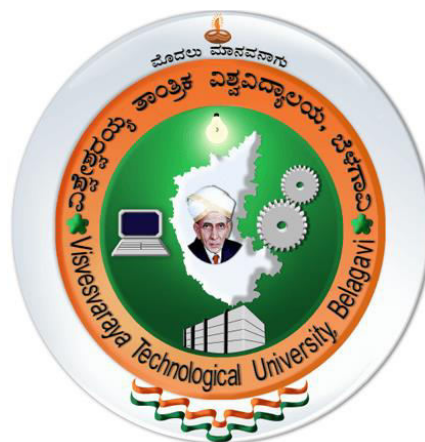


VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELAGAVI



Scheme of Teaching and Examinations

M.Tech., Geo-informatics

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

Specialization in –(CGI)											
II SEMESTER											
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination				Credits
				Theory	Practical/ Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	P	T/SDA					
1	PCC	MCGI201	Photogrammetry and Urban Mapping	02	02	00	03	50	50	100	4
2	PCC	MCGI202	Geospatial Data Analytics	02	00	02	03	50	50	100	3
3	PCC	MCGI203	Cartography, Geodesy and Global Navigation Satellite Systems	02	00	02	03	50	50	100	3
4	PCC	MCGI204	Geospatial Database Management Systems and Programming Skills	02	00	02	03	50	50	100	3
5	PEC	MCGI215X	Professional Elective Course -3	02	00	02	03	50	50	100	3
6	PEC	MCGI216X	Professional Elective Course -4	02	00	02	03	50	50	100	3
7	PCCL	MCGIL207	Geoinformatics Laboratory	01	02	00	03	50	50	100	2
8	AEC/SEC	MCGI258	Skill Enhancement For Research Excellence	00	02	---	02	50	50	100	1
				01	00	----	01				
TOTAL								400	400	800	22
<p>Note: PCC: Professional core. IPCC-Integrated Professional Core Courses, PCC(PB): Professional Core Courses (Project Based), PCCL-Professional Core Course lab, PEC- Professional Elective Courses, MDC- Multi-Disciplinary Courses , L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities (Hours are for Interaction between faculty and students) L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities (Hours are for Interaction between faculty and students) PBLC: Project Based Learning Course, Note: xxx means specialization code for example MDE- Design Engineering, LDN- Digital Communication and Networking, SCE- Computer Engineering, CCT- Construction Technology, AUD- Urban Design, MBA- Master of Business Administration, MCA-Master of Computer Application, etc</p>											
Ability / Skill Enhancement Courses											

Ability Enhancement Courses (AEC): These courses are designed to help students enhance their skills in communication, language, and personality development. They also promote a deeper understanding of subjects like social sciences and ethics, culture and human behaviour, human rights, and the law. **Skill Enhancement Course (SEC):** Skill Enhancement Course means a course designed to provide value-based or skill-based knowledge and should contain both theory and lab/hands-on/training/fieldwork. The main purpose of these courses is to provide students with life skills in the hands-on mode to increase their employability. **If AEC/SEC courses are ONLINE (MOOCs) courses** suggested by the concerned board of studies. These courses will be made available on [www. online.vtu.ac.in](http://www.online.vtu.ac.in), however online courses are not considered for vertical progression, but qualifying in online courses is mandatory for the award of the degree.

For Specializations (Professional Elective Course)

Professional Elective Course -3		Professional Elective Course -4	
Course Code	Course Title	Course Code	Course Title
MCGI215A	Web Applications in Geoinformatics	MCGI216A	Unmanned Aerial System (UAS) Applications
MCGI215B	Programming skills in Spatial data analytics	MCGI216B	Geoinformatics in Natural Resource and Environmental Management
MCGI215C	Artificial Intelligence in Geoinformatics	MCGI216C	Geoinformatics in Marine and Coastal Resources Management
MCGI215D	Location Based Intelligence and Supply Chain Management	MCGI216D	Remote Sensing and Geographic Information System (GIS)