

KAZI NAZRUL UNIVERSITY			FACULTY OF SCIENCE, TECHNOLOGY AND VOCATIONAL STUDIES		DEGREE PROGRAMME: M.SC IN GEOINFORMATICS			WITH EFFECT FROM THE ACADEMIC SESSION: 2022-23															
Abbreviated Degree	Discipline	Abbreviated Degree Programme	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks							
											Practical	Theoretical	Practical	Theoretical									
M.SC	GEOINFORMATICS	MSCGEIN	I	Concept of Earth System Science	C	MSCGEINC101	CC-1	4 - 0 - 0	4	20			15		35	50	300						
				Fundamentals of Mapping and Mapping Science	C	MSCGEINC102	CC-2	4 - 0 - 0	4				15		35	50							
				Introduction of RS and GIS	C	MSCGEINC103	CC-3	4 - 0 - 0	4				15		35	50							
				Introduction to Surveying and Photogrammetry	C	MSCGEINC104	CC-4	4 - 0 - 0	4				15		35	50							
				Map and Image Interpretation	C	MSCGEINC105	CC-5	0 - 0 - 4	2			30		20		50							
				Computer Fundamentals and Programming	C	MSCGEINC106	CC-6	0 - 0 - 4	2			30		20		50							
			II	Digital Image Processing for Geoinformatics	C	MSCGEINC201	CC-7	4 - 0 - 0	4	22					15		35	50	350				
				Statistics and Geostatistics	C	MSCGEINC202	CC-8	4 - 0 - 0	4						15		35	50					
				Introduction to Programming for Geoinformatics and DBMS	C	MSCGEINC203	CC-9	2 - 0 - 0	2						15		35	50					
				Digital Image Processing and Spatial Analysis	C	MSCGEINC204	CC-10	0 - 0 - 8	4					30		20		50					
				Geostatistics and Pilot Project	C	MSCGEINC205	CC-11	0 - 0 - 4	2					30		20		50					
				Programming for Geoinformatics and DBMS	C	MSCGEINC206	CC-12	0 - 0 - 4	2					30		20		50					
				Choose from Pool of Minor Electives	MIE	See Pool	MIEC-1	See Pool	4					See Pool				50					
			III	Research Methodology and Spatial Decision Support System	C	MSCGEINC301	CC-13	4 - 0 - 0	4	28	4X2=8				15		35	50	350				
				Advance RS and GIS	C	MSCGEINC302	CC-14	4 - 0 - 0	4						15		35	50					
				Web Mapping and Web GIS	C	MSCGEINC303	CC-15	2 - 0 - 4	4					30		20		50					
				Advance RS & GIS and Theme Specific Case Studies	C	MSCGEINC304	CC-16	0 - 0 - 4	4					30		20		50					
				Geoinformatics in Disaster Management I	Group-A	MJE (Any One Group)	MSCGEINMJE301	MJEC-1 & MJEC-2	4 - 0 - 0					4X2=8						15		35	50X2=100
				Geoinformatics in Disaster Management II			0 - 0 - 4		30												20		
				Geoinformatics in Urban Planning I	Group-B	MSCGEINMJE303	4 - 0 - 0	30						15		35	50						
				Geoinformatics in Urban Planning II		0 - 0 - 4	30		20														
				Geoinformatics for Mining and Subsidence I	Group-C	MSCGEINMJE305	4 - 0 - 0	30						15		35	50						
				Geoinformatics for Mining and Subsidence II		0 - 0 - 4	30		20														
				Geoinformatics in Watershed Management I	Group-D	MSCGEINMJE307	4 - 0 - 0	30						15		35	50						
			Geoinformatics in Watershed Management II	0 - 0 - 4		30		20															
			Choose from Pool of Minor Electives	MIE	See Pool	MIEC-2	See Pool	4	See Pool				50										
			IV	Dissertation	C	MSCGEINC401	CC-17	2 - 2 - 12	10	20				60		40		100	200				
				Seminar and Grand Viva	C	MSCGEINC402	CC-18	2 - 2 - 12	10					60		40		100					
						Total Credit and Marks					90			1200									
			Abbreviations: C= Core; CC=Core Course; MJE= Major Elective; MJEC= Major Elective Course; MIE= Minor Elective; MIEC= Minor Elective Course; CA Marks= Continuous Assessment Marks; ESE Marks= End Semester Examination Marks; L= Lecture Hour; T= Tutorial Hour; P= Practical Hour/ Field Work and NA= Not Applicable																				
Pool of Minor Elective [Offered by the Department of Geoinformatics for all other Departments across faculties]. Student has to choose at least one Minor Elective from other departments except his/her own department.																							
Discipline	Semester	Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	CA Marks		ESE Marks		Total Marks	Sem Marks									
GEOINFORMATICS	II	Socio Economic Mapping using Geoinformatics	MIE	MSCGEINMIE201	MIEC-1	4 - 0 - 0	4	NA		15		35	50	NA									
	III	GIS Project Design and Management	MIE	MSCGEINMIE301	MIEC-2	4 - 0 - 0	4	NA		15		35	50	NA									