

PROGRAMME STRUCTURE

Academic Year 2020-2021

B.Sc. (Hons.) COMPUTER SCIENCE (DATA ANALYTICS)

Level	Semester/ Teaching Block	Module Title (Credit)				
Level 3	Semester/ Teaching Block 1	English Language Proficiency- GLT3001 (20 credit) Compulsory	English for Academic purposes and Study Skills- GLT3006 (20 credit) Compulsory	Programming Skills and Statistics- GIS3006 (40 credit) Compulsory	Contemporary Themes in Technology- GIS3003 (20 credit) Compulsory	Mathematics for Technology- GIS3002 (20 credit) Compulsory
	Semester/ Teaching Block 2				Entrepreneurship (Creativity and Innovation) -GRM3002 (20 credit) Compulsory	Individual Project- GIS3005 (20 credit) Compulsory
Level 4	Semester/ Teaching Block 1	Computational Thinking- GIS4000 (20 credit) Compulsory	Technology & Society- GIS4017 (20 credit) Compulsory		Building for the Web- GIS4004 (20 credit) Compulsory	
	Semester/ Teaching Block 2	Architectures & Operating Systems -GIS4002 (20 credit) Compulsory	Developing Quality Software & Systems I- GIS4005 (20 credit) Compulsory		Principles of Programming- GIS4003 (20 credit) Compulsory	
Level 5	Semester/ Teaching Block 1	Developing Quality Software & Systems II- GIS5005 (20 credit) Compulsory	Research and Professional Skills - GIS5015 (20 credit) Compulsory		Object-Oriented System Design- GIS5027 (20 credit) Compulsory	
	Semester/ Teaching Block 2	Law & Digital Security- GIS5007 (20 credit) Compulsory	Multimedia & Interaction- GIS5009 (20 credit) Compulsory		Data & Knowledge Management - GIS5004 (20 credit) Award Option	
Level 6	Semester/ Teaching Block 1	Computer Science Dissertation- Project - GIS6001 (40 credit) Compulsory	Cyber Security and Cryptography- GIS6006 (20 credit) Compulsory		Professional & Ethical Issues in IT - GIS6004 (20 credit) Compulsory	
	Semester/ Teaching Block 2		Advanced Multimedia- GIS6009 (20 credit) Compulsory		Analytics & Business Intelligence - GIS6008 (20 credit) Award Option	

Note: Optional modules are subject to availability of minimum number (5) of students and demand; as such not all optional modules may run in one semester.