

PROGRAMME: BSc. INFORMATION TECHNOLOGY
DEPARTMENT OF COMPUTER APPLICATIONS
COURSE CODES
SEMESTER – I (2025 - 26) – UNDER NEP

Course Code	Course	Course Type	Credit		Assessment		Min Marks		Max Marks	
			T	Pr / Tu	Int	Ext	Int	Ext	Int	Ext
041UITMJ011	Imperative Programming	Major (Core)	4	-	Th	Th	50	50	50	50
041UITMJ012	Operating System	Major (Core)	2	-	Th	Th	25	25	25	25
041UITOE013	Digital Electronics and Logic Circuits	OEC	4	-	Th	Th	50	50	50	50
041UITVS014	Imperative Programming	VSC	-	2	Pr	Pr	25	25	25	25
041UITSE015	GNU/ Linux programming Lab	SEC	1	1	Pr	Pr	25	25	25	25
041UITAE016	Proficiency in English Communication	AEC	2	-	Th	-	25	-	25	-
041UITIK017	Living Heritage of India	IKS	2	-	Th	-	50	-	50	-
041UITVE018A / 041UITVE018B /	Digital and Technological Solutions (Accounting Applications / Office Automation)	VEC	2	-	Th	-	50	-	50	-
041UITCC019A / 041UITCC019B / 041UITCC019C	C.C/ NSS/ Health and Wellness	CC	2	-	Th	-	50	-	50	-

SEMESTER – II (2025 - 26) - – UNDER NEP

Course Code	Course	Course Type	Credit		Assessment		Min Marks		Max Marks	
			T	Pr / Tu	Int	Ext	Int	Ext	Int	Ext
041UITAMJ021	Object Oriented Programming using C++	Major (Core)	3	1	Th	Th	50	50	50	50
041UITMJ022	Computer Organization & Architecture	Major (Core)	2	-	Th	Th	25	25	25	25
041UITMI023A / 041UITMI023B /	Python Programming Lab	Minor		2	Pr	Pr	25	25	25	25
041UITOE024	Mathematic 1: Discrete Structures and Graph Theory	OEC	2	2	Th	Th	50	50	50	50
041UITVS025	Database Management System -I	VSC	1	1	Pr	Pr	25	25	25	25
041UITSE026	Video and Audio Editing Software / Graphic Design	SEC	-	2	Pr	Pr	25	25	25	25
041UITAE027	Craft of Writing	AEC	2	-	Th	-	50	-	50	-
041UITVE028	Environmental Education	VEC	2	-	Th	-	50	-	50	-
041UITCC029A/ 041UITCC029B/ 041UITCC029C/	C.C/ NSS/Health and Wellness	CC	2	-	Th	-	50	-	50	-

SEMESTER – III (2026 - 27) – UNDER NEP

Course Code	Course	Course Type	Credit		Assessment		Min Marks		Max Marks	
			T	Pr / Tu	Int	Ext	Int	Ext	Int	Ext
041UITMJ031	Mathematics 2: Computer Oriented Numerical Methods	Major (Core)	2	2	Th	Th	50	50	50	50
041UITMJ032	Information Systems Analysis and Design	Major (Core)	2	-	Th	Th	25	25	25	25
041UITMJ033	Internet of Things	Major (Core)	1	1	Th	Th	25	25	25	25
041UITMI034	Database Management System- II	Minor Stream	2	2	Pr	Pr	50	50	50	50
041UITOE035	Programming PHP Lab	OEC	-	2	Pr	Pr	25	25	25	25
041UITVS036	3D Animation and VFX (Practical)	VSC	-	2	Pr	Pr	25	25	25	25
041UITAE037	English for Career Enhancement	AEC	2	-	Th	-	50	-	50	-
041UITFP038	Field Project	FP	-	2	-	Pr	50	-	50	-
041UITCC039A / 041UITCC039B / 041UITCC039C	C.C/ NSS/ Health and Wellness	CC	2	-	Th	Pr	50	-	50	-

SEMESTER – IV (2026 - 27) – UNDER NEP

Course Code	Course	Course Type	Credit		Assessment		Min Marks		Max Marks	
			T	Pr / Tu	Int	Ext	Int	Ext	Int	Ext
041UITMJ041	Data Structures and Algorithms	Major (Core)	2	2	Th	Th	50	50	50	50
041UITMJ042	Software Engineering	Major (Core)	4	-	Th	Th	50	50	50	50
041UITMI043	Statistical Methods and Data Analytics using Spreadsheet	Minor Stream	2	2	Th	Th	50	50	50	50
041UITOE044	Web Designing	OEC	2	-	Th	Th	25	25	25	25
041UITSE045	Entrepreneurship and Startup Ecosystem	SEC	2	-	Th	Th	25	25	25	25
041UITAE046	Indian Writing in English	AEC	2	-	Th	-	50	-	50	-
041UITCE047	Community Engagement Project	CEP	-	2	Pr	-	50	-	50	-
041UITCC048A 041UITCC048B	C.C/ NSS/ Health and Wellness	CC	2	-	Th	Pr	50	-	50	-

SEMESTER – V (2027 - 28) – UNDER NEP

Course Code	Course	Course Type	Credit		Assessment		Min Marks		Max Marks	
			T	Pr / Tu	Int	Ext	Int	Ext	Int	Ext
041UITMJ051	Web Technology	Major (Core)	3	1	Th	Th	50	50	50	50
041UITMJ052	Data Communication and Computer Networks	Major (Core)	3	1	Th	Th	50	50	50	50
041UITMJ053	C# Programming	Major (Core)	1	1	Pr	Pr	25	25	25	25
041UITE054A / 041UITME054B	Network Security / Data Science and Cloud Computing	Major Elective	4	-	Th	Th	50	50	50	50
041UITMI055	Artificial Intelligence and Machine Learning	Minor Stream	4	-	Th	Th	50	50	50	50
041UITVS056	R Programming LAB	VSC	1	1	Pr	Pr	25	25	25	25
041UITCE057	Community Engagement Project	CEP	-	2	Pr	-	50	-	50	-

SEMESTER – VI (2027 - 28) – UNDER NEP

Course Code	Course	Course Type	Credit		Assessment		Min Marks		Max Marks	
			T	Pr / Tu	Int	Ext	Int	Ext	Int	Ext
041UITMJ061	Java Programming	Major (Core)	3	1-	Th	Th	50	50	50	50
041UITMJ062	Intellectual Property Rights	Major (Core)	2	-	Th	Th	25	25	25	25
041UITMJ063	Project	Major (Core)	-	4	Pr	Pr	50	50	50	50
041UITME064A / 041UITME064B	Generative AI / Cyber Security	Major Elective	4	-	Th	Th	50	50	50	50
041UITMI065	Data Warehousing and Mining	Minor Stream	4	-	Th	Th	50	50	50	50
041UITOJ066	Internship / OJT	OJT	-	4	Pr	Pr	50	50	50	50

Please note that this syllabus structure is provisional and may be revised as deemed necessary.