

DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY

MTECH (SOFTWARE ENGINEERING)

Program Structure (Applicable to 2023 admission onwards)

YEAR	FIRST SEMESTER						SECOND SEMESTER					
	SUB CODE	SUBJECT NAME	L	T	P	C	SUB CODE	SUBJECT NAME	L	T	P	C
I	ICT 5118	MATHEMATICAL FOUNDATIONS OF COMPUTATIONAL INTELLIGENCE	3	1	0	4	ICT 5217	TESTING AND ANALYSIS OF SOFTWARE SYSTEMS	3	1	0	4
	ICT 5127	KNOWLEDGE AND DATA ENGINEERING	3	1	0	4	ICT 5218	DEVOPS AND AUTOMATION	3	1	0	4
	ICT 5119	ARTIFICIAL INTELLIGENCE TECHNOLOGIES	3	1	0	4	ICT ****	ELECTIVE I	3	0	0	3
	ICT 5128	CLOUD AND EDGE COMPUTING	3	1	0	4	ICT ****	ELECTIVE II	3	1	0	4
	ICT 5129	SOFTWARE MODELING AND PROGRAM VERIFICATION	3	1	0	4	ICT ****	ELECTIVE III	3	1	0	4
	HUM 5051	RESEARCH METHODOLOGY & TECHNICAL COMMUNICATION*	1	0	3	-	***.****	OPEN ELECTIVE	3	0	0	3
	ICT 5145	AI-ML-SDD** CAPSTONE PROJECT	0	1	4	3	HUM 5051	RESEARCH METHODOLOGY & TECHNICAL COMMUNICATION*	1	0	3	2
							ICT 5247	DEVOPS/ASD CAPSTONE PROJECT	0	1	4	3
	Total		15	6	4	23	Total		19	5	7	27
	THIRD AND FOURTH SEMESTER											
II	ICT 6098	PROJECT WORK & INDUSTRIAL TRAINING							0	0	0	25

*TAUGHT IN BOTH SEMESTERS AND EVALUATED AND CREDITED IN THE SECOND SEMESTER

**AI-ML-SDD: ARTIFICIAL INTELLIGENCE MACHINE LEARNING SOFTWARE DESIGN AND DEVELOPMENT

PROGRAM ELECTIVES	
COURSE CODE	COURSE TITLE
ICT 5408	MACHINE LEARNING
ICT 5417	BLOCK CHAIN TECHNOLOGY & APPLICATIONS
ICT 5420	FULL STACK WEB DEVELOPMENT
ICT 5409	SEMANTIC WEB TECHNOLOGIES
ICT 5422	INTERNET OF THINGS AND APPLICATIONS
ICT 5421	INTELLIGENT SOFTWARE ENGINEERING
ICT 5419	DESIGNING FOR EMERGING TECHNOLOGIES SYSTEMS

OPEN ELECTIVE	
COURSE CODE	COURSE TITLE
ICT 5303	CYBER SECURITY AND CYBER LAWS