

FACULTY OF ENGINEERING AND TECHNOLOGY

Name of the Programme: MASTERS IN TECHNOLOGY (COMPUTER SCIENCE & ENGINEERING) : 2022-23 onwards

Semester/Year	Council Code (If any)	Subject Code	Nomenclature	Theory/ Practical	Core/ AECC/ SEC/ VAC/ DSE/ GE	For ERP	Theory/Practical (Result Combined or Separate)	L	T	P	Credits	Contact Hours	Theory		Theory (Internal)			Practical			Practical (Internal)				Overall Pass Marks	Scheme of Examinations (Theory+Internal) OR (Practical+Internal)								
													Max	Pass	Midterm	Assignment	Project/Seminar/Activity	Max	Pass	Demonstration/Presentation	Viva-voce	Max	Pass	Attendance			Viva-Voice in each class	Lab Work	Condeuct/Demonstration	Max	Pass			
1st	-	13070101	Data Science with Python	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
1st	-	13070102	Medical image processing	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
1st	-	13070103	Advanced DBMS	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16									40	Theory + Internal					
			Choose any one																															
1st	-	13070104	Micro Systems & Hybrid Technology	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
1st	-	13070105	IoT and Cloud Computing	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
1st	-	13070106	Mobile and Wireless Security	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
1st	-	13070107	Bio-Inspired Computing	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
1st	-	13070108	Data Science with Python Lab	Practical	Core	Core	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			
1st	-	13070109	Advanced DBMS Lab	Practical	Core	Core	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			
1st	-	13070110	Medical image processing Lab	Practical	Core	Core	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			
			Choose any one																															
1st	-	13070111	Micro Systems & Hybrid Technology Lab	Practical	DSE	DSE	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			
1st	-	13070112	IoT and Cloud Computing Lab	Practical	DSE	DSE	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			
1st	-	13070113	Mobile and Wireless Security Lab	Practical	DSE	DSE	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			
1st	-	13070114	Bio-Inspired Computing Lab	Practical	DSE	DSE	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			
			Total Credits for the Semester						12	0	8	16	20																					
1st	-	13070115	Machine learning	Theory	SEC	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16											40	Theory + Internal			
1st	-	13070116	Machine learning Lab	Practical	SEC	DSE	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			
			Total Credits for the Semester						15	0	10	20	25																					
2nd	-	13070201	Advance Software Engineering & Testing	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
2nd	-	13070202	Software Project Management	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
2nd	-	13070203	Data Mining	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
			Choose any one																															
2nd	-	13070204	Cloud and Fog Computing	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
2nd	-	13070205	NoSQL Databases	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
2nd	-	13070206	Malware Analysis	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
2nd	-	13070207	Machine Learning for Signal Processing	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16										40	Theory + Internal				
2nd	-	13070208	Advance Software Engineering & Testing Lab	Practical	Core	Core	Separate	0	0	4	2	4								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			
2nd	-	13070209	Data Mining Lab	Practical	Core	Core	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			
			Choose any one																															
2nd	-	13070210	Cloud and Fog Computing Lab	Practical	DSE	DSE	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical + Internal			

