FACULTY OF ENGINEERING & TECHNOLOGY

Name of the Programme: Master of Computer Applications : 2022-23 onwards

														Theory		Theory (Internal)					Practical				Practical (Internal)							
Semester/Year	Council Code (If any)	Subject Code (If already existing)	Nomenclature	Theory/ Practical/	Core/ AECC/ SEC/ VAC/ DSE/ GE	For ERP	Theory/Practical (Result Combined or Separate)	L	T	P	Credits	Contact Hours	Max	Pass	Mid Term	Assignment	Project/Seminar/Activity	Max	Pass	Demonstration/Presentation	Viva-voce	Max	Pass	Attendance	Viva-Voce in each lab class	Lab Work	Evaluation of Performance of Exp	Max	Pass	Overall Pass Marks	Scheme of Examinations [Theory+Internal or Practical+Internal]
I	-	13470119	Python Programming	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16												40	Theory + Internal
I	-	13470120	Web Design And Development	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16												40	Theory + Internal
I	-	13470103	Database Technology	Theory	Core	Core	Separate	3	1	0	4	4	60	24	20	10	10	40	16												40	Theory + Internal
I	-	13470121	Computer Networking	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16												40	Theory + Internal
I	-	13470122	Soft Skills	Theory	Core	Core	Separate	2	0	0	2	2	60	24	20	10	10	40	16												40	Theory + Internal
I	-	13470123	Python Programming Lab	Practical	Core	Core	Separate	0	0	4	2	4								20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
I	-	13470124	Web Design And Development Lab	Practical	Core	Core	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
I	-	13470113	Database Technology Lab	Practical	Core	Core	Separate	0	0	4	2	4								20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
I	-	13470125	System and Network Administration Lab	Practical	Core	Core	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
			Total Credits for the Semester					**14**	**1**	**12**	**21**	**27**																			
II	-	13470205	Data Structures	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
II	-	13470209	Object Oriented Programming using Java	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
		Choose one of the following																														
II	-	13470210	AI and Machine Learning	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
II		13470211	Blockchains	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
II		13470212	Steganography and Digital Watermarking	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
II		13470213	Internet of Things	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
II		**Choose one of the following**																														
II	-	13470214	Data Analytics	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
II		13470215	Smart Contract and Solidity	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
II		13470216	Data Encryption and Compression	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
II		13470217	IoT with Arduino, ESP and Raspberry pi	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
II	-	13470218	Principles Of Management	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16	--	--	--	--	--	--	--	--	--	--			Theory + Internal
II	-	13470208	Data Structures Lab	Practical	Core	Core	Separate	0	0	4	2	4	-	-	-	-	-	-	-	20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
II	-	13470219	Object Oriented Programming using Java Lab	Practical	Core	Core	Separate	0	0	2	1	2	-	-	-	-	-	-	-	20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
		Choose one of the following (as per theory)																														
II	-	13470220	Data Analytics Lab	Practical	DSE	DSE	Separate	0	0	4	2	4	-	-	-	-	-	-	-	20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
II	-	13470221	Smart Contract and Solidity Lab	Practical	DSE	DSE	Separate	0	0	4	2	4	-	-	-	-	-	-	-	20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
II	-	13470222	Data Encryption and Compression Lab	Practical	DSE	DSE	Separate	0	0	4	2	4	-	-	-	-	-	-	-	20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
II	-	13470223	IoT with Arduino, ESP and Raspberry pi Lab	Practical	DSE	DSE	Separate	0	0	4	2	4	-	-	-	-	-	-	-	20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
II			**Total Credits for the Semester**					**15**	**0**	**10**	**20**	**55**																				
III	-	13470316	DevOps	Theory	Core	Core	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
		Choose one of the following																														
III	-	13470317	Applications of AI	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
III	-	13470318	Blockchain Security and Performance	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
III	-	13470319	Security Assessment and Risk Analysis	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
III	-	13470320	Web Data Mining	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16													Theory + Internal
III			**Choose one of the following**																													

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III	-	13470321	Deep Learning and Neural Networks	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16												Theory + Internal
III	-	13470322	Blockchain Platforms and Use Cases	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16												Theory + Internal
III	-	13470323	Database Security and Access Control	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16												Theory + Internal
III	-	13470324	Analysing, Visualizing and Applying Data Science with Python	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16												Theory + Internal
III			**Choose one of the following**																												
III	-	13470325	Economic Analysis for Business	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16												Theory + Internal
III	-	13470326	Accounting and Financial Management	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16												Theory + Internal
III	-	13470327	People's Behaviour in an Organization	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16												Theory + Internal
III	-	13470328	Business Analytics	Theory	DSE	DSE	Separate	3	0	0	3	3	60	24	20	10	10	40	16												Theory + Internal
III	-	13470329	DevOps Lab	Practical	Core	Core	Separate	0	0	2	1	2								20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
			Choose one of the following (as per theory)																												
III	-	13470330	Deep Learning and Neural Networks Lab	Practical	DSE	DSE	Separate	0	0	4	2	4								20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
III	-	13470331	Blockchain Platforms and Use Cases Lab	Practical	DSE	DSE	Separate	0	0	4	2	4								20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
III	-	13470332	Database Security and Access Control Lab	Practical	DSE	DSE	Separate	0	0	4	2	4								20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
III	-	13470333	Analysing, Visualizing and Applying Data Science with Python Lab	Practical	DSE	DSE	Separate	0	0	4	2	4								20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
III	-	13470334	Summer Internship	Practical	Core	Core	Separate	0	0	0	3	0								20	20	40	16	10	10	10	30	60	24	40	Practical+Internal
			Total Credits for the Semester					**12**	**0**	**6**	**18**	**57**																			
IV	-	13470413	Industrial Internship	Practical	Core	Core	Separate	0	0	0	16	14w								60	40	100	40	10	20	20	50	100	40	80	Practical + Internal
			Total Credits for the Semester					0	0	0	**16**	**14w**																			
			TOTAL CREDITS REQUIRED FOR DEGREE : 75																												