

Name of the Faculty : FACULTY OF ENGINEERING & TECHNOLOGY											Date of SOE Submission: 07/06/2024																					
Name of the Program (As to be printed on the Degree Certificate) : Master of Computer Applications																																
Session: 2024-25 onwards																																
S. No.	Semester/Year/Prof	Council Code (If any)	Subject Code (If already existing)	Nomenclature	Theory/ Practical/	Core/ DSE/ AECC/ SEC/ VAC/ GE/ MDGE/Su bsidary	Theory/Practical (Result Combined or Separate)	L	T	P	Credits	Max	Pass	Attendance Marks	Mid Term Weightage	Assignment	Professional Activities	Max	Pass	Demonstration/Presentation	Viva-voice	Max	Pass	Attendance	Project/Laboratory Work/ Lab Performance	Midterm Oral Examination / Assessment	Max	Pass	Overall Pass Marks	End Term Examination Overall Passing Criteria: Theory: [External+Internal] or Practical: [External+Internal]	If Combined: Theory+ Practical	
Semester -I																																
1	I/I	-	13470126	Business Communication	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal		
2		-	13470127	Mathematical and Statistical Foundations	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal		
3		-	13470128	Computer Organisation and Architecture	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal		
4		-	13470129	Data Structures	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	-	50	External+Internal	
5		-	13470103	Database Technology	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	-	50	External+Internal	
6		-	13470121	Computer Networking	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	-	50	External+Internal	
7		-	13470130	Data Structures Lab	Practical	Core	Separate	0	0	2	1	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal	
8		-	13470113	Database Technology Lab	Practical	Core	Separate	0	0	2	1	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal	
9		-	13470131	Computer Networking Lab	Practical	Core	Separate	0	0	2	1	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal	
Total Credits of the Semester								18	0	6	21																					
Semester -II																																
10	II/I	-	13470209	Object Oriented Programming using Java	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal		
11		-	13470224	Web Design And Development	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal		
12			13470225	Python Programming	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal		
13			13470226	Software Engineering and Design Patterns	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	-	50	External+Internal	
14			13470227	Soft Skills	Theory	Core	Separate	2	0	0	2	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	-	50	External+Internal	
15		-	13470219	Object Oriented Programming using Java Lab	Practical	Core	Separate	0	0	2	1	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal	
16			13470228	Web Design And Development Lab	Practical	Core	Separate	0	0	2	1	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal	
17			13470229	Python Programming Lab	Practical	Core	Separate	0	0	2	1	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal	
18			13470230	Software Engineering and Design Patterns Lab	Practical	Core	Separate	0	0	2	1	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal	
19		-	13470210	AI and Machine Learning	Theory	DSE	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	-	50	External+Internal	
20		-	13470211	Blockchains			Separate																								External+Internal	
21		-	13470212	Steganography and Digital Watermarking			Separate																								External+Internal	
22		-	13470213	Internet of Things			Separate																								External+Internal	
23		-	13470231	AI and Machine Learning Lab	Practical	DSE	Separate	0	0	2	1	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal		
24		-	13470232	Blockchains Lab			Separate																							External+Internal		
25		-	13470233	Steganography and Digital Watermarking Lab			Separate																							External+Internal		
26		-	13470234	Internet of Things Lab			Separate																							External+Internal		
Total Credits for the Semester								17	0	10	22																					
Semester -III																																
27	-	13470235	Advance Operating System	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal			
28	-	13470316	DevOps	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal			
29	-	13470236	Data Warehousing and Mining	Theory	Core	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal			
30		13470237	Advance Operating System Lab	Practical	Core	Separate	0	0	2	1	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal		
31		13470329	DevOps Lab	Practical	Core	Separate	0	0	2	1	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal		
32		13470238	Data Warehousing and Mining Lab	Practical	Core	Separate	0	0	2	1	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal		
33		13470334	Summer Internship	Practical	Core	Separate	0	0	2	2	-	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal		
Choose one of the following (Theory+ Corresponding Practical)																																
34	-	13470239	Data Analytics	Theory	DSE	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal			
35	-	13470240	Smart Contract and Solidity			Separate																							External+Internal			
36	-	13470241	Data Encryption and Compression			Separate																							External+Internal			
37	-	13470242	IoT with Arduino, ESP and Raspberry pi			Separate																							External+Internal			
38	-	13470243	Data Analytics Lab	Practical	DSE	Separate	0	0	2	1	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal			
39	-	13470244	Smart Contract and Solidity Lab			Separate																							External+Internal			
40	-	13470245	Data Encryption and Compression Lab			Separate																							External+Internal			
41	-	13470246	IoT with Arduino, ESP and Raspberry pi Lab			Separate																							External+Internal			
Choose one of the following (Theory+ Corresponding Practical)																																
42	-	13470321	Deep Learning and Neural Networks	Theory	DSE	Separate	3	0	0	3	60	24	5	20	5	10	40	16	-	-	-	-	-	-	-	-	-	50	External+Internal			
43	-	13470322	Blockchain Security and Performance			Separate																							External+Internal			
44	-	13470323	Database Security and Access Control			Separate																							External+Internal			
45	-	13470324	Analysing, Visualizing and Applying Data Science with Python			Separate																							External+Internal			
46	-	13470330	Deep Learning and Neural Networks Lab	Practical	DSE	Separate	0	0	2	1	-	-	-	-	-	-	-	-	20	10	30	12	5	5	10	20	8	25	External+Internal			
47	-	13470331	Blockchain Security and Performance Lab			Separate																							External+Internal			
48	-	13470332	Database Security and Access Control Lab			Separate																							External+Internal			
49	-	13470333	Analysing, Visualizing and Applying Data Science with Python Lab			Separate																							External+Internal			
Total Credits for the Semester								15	0	12	22																					
Semester -IV																																
50	IV/II	-	13470413	Industry Internship	Practical	Core	Separate	0	0		15W	15	-	-	-	-	-	-	-	60	60	120	48	20	20	40	80	32	100	External+Internal		
Total Credits for the Semester								0	0		15W	15																				

[illegible]

Sample
Grade Table Details (To be provided):

Grade	CGPA	Marks Range	
A+	10	90 and Above	
A	9	80-90	
A-	8		
B+			
B			
B-			
C+			
C			
C-			
D			

Passing Criteria:

Theory			Practical			Thoery + Practical
External	Internal	Overall	External	Internal	Overall	

Grace Rules to be mentioned:

Whether UGC rules/ Council Rules/ SGTU Rules

Deatails: