Course Curriculum

M. Tech

M.Tech. IT- Machine Learning and Intelligent Systems (MLIS)

Semest	Semester 1 Total Credit: 18						
Sl. No.	Carres Name	Code	Tyma	Credit	Hours		
SI. 10.	Course Name	Code	Type	Cledit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming Practices	IT4002	PCC	4	2-0-4-0		
3	Introduction to Machine Learning	IT4003	PCC	4	3-0-2-0		
4	Image and Video Processing	IT4004	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
			Total	10	13-0-10-0		
			Total	18	23		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	Code	Туре	Credit	Hours		
S1. INO.	Course Name	Code	1 ype	Credit	L-T-P-S		
1	Deep Learning	IT4005	PCC	4	3-0-2-0		
2	Probabilistic Machine	IT4006	PCC	4	3-0-2-0		
2	Learning and Graphical Model				3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
		_	Total	17	11-1-10-0		
			Total	17	22		

Semest	T	otal Credit: 16			
Sl. No.	Course Name (Code	Typo	Credit	Hours
SI. NO.		Code	Туре	Credit	L-T-P-S
1	Optimization	IT4007	PCC	3	3-0-0-0
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0
4	Thesis- Part 1	IT6001	ELC	7	0-0-14-0
			Total	17	09-0-14-0
			Total	16	23

Semest	Semester 4 Total Credit: 15					
C1 No	Sl. No. Course Name Code Type	Credit	Hours			
SI. NO.	Course Name	Code	Type	Cledit	L-T-P-S	
1	Thesis- Part 2	IT6002	ELC	15	0-2-26-0	
			Total	15	0-2-26-0	
			Total	15	28	

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech-PhD. IT- Machine Learning and Intelligent Systems (MLIS)

Semest	Semester 1 Total Credit: 20						
Sl. No.	Carrier Name	Code	Tyma	Credit	Hours		
SI. 1NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming	IT4002	PCC	4	2-0-4-0		
2	Practices	114002			2-0-4-0		
3	Introduction to Machine	IT4003	PCC	4	3-0-2-0		
3	Learning				3-0-2-0		
4	Image and Video Processing	IT4004	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
6	Research Methodology-2	AS4200	ELC	2	2-0-0-0		
			TF 4 1	20	15-0-10-0		
			Total	20	25		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	Code	Tyma	Credit	Hours		
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Deep Learning	IT4005	PCC	4	3-0-2-0		
2	Probabilistic Machine	IT4006	PCC	4	3-0-2-0		
2	Learning and Graphical Model				3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
			Total	17	14-1-10-0		
			Total	17	25		

Semest	Semester 3 Total Credit: 11						
Sl. No.	Carrier Name	C. 1.	Tyma	Credit	Hours		
SI. NO.	Course Name	Code	Туре	Credit	L-T-P-S		
1	Optimization	IT4007	PCC	3	3-0-0-0		
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0		
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0		
4	Independent Study as advised by the Supervisor Suitable Title to be communicated for Grade Card purposes.	IT5001	ELC	2	0-0-4-0		
		11	09-0-4-0				
			Total	11	13		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech. IT- Robotics and Machine Intelligence (RMI)

Semest	Semester 1 Total Credit: 18						
Sl. No.	Course Name	Code	Tyma	Credit	Hours		
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming Practices	IT4002	PCC	4	2-0-4-0		
3	Introduction to Machine Learning	IT4003	PCC	4	3-0-2-0		
4	Image and Video Processing	IT4004	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
			Total	18	13-0-10-0		
			1 Otal	18	23		

Semest	Semester 2 Total Credit: 17					
Sl. No.	Course Name	Code	Typo	Credit	Hours	
SI. 1NO.		Code	Type	Credit	L-T-P-S	
1	Deep Learning	IT4005	PCC	4	3-0-2-0	
2	Robot Motion Control	IT4020	PCC	4	3-0-2-0	
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0	
4	Project	IT5610	ELC	4	0-1-6-0	
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0	
		·	Total	17	11-1-10-0	
			1 Otai	1/	22	

Semest	Semester 3 Total Credit: 16						
Sl. No.	Course Name Code	C. 1.	Tyma	Credit	Hours		
SI. NO.		Code	Type		L-T-P-S		
1	Foundations of Robotics	IT4030	PCC	3	3-0-0-0		
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0		
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0		
4	Thesis- Part 1	IT6001	ELC	7	0-0-14-0		
			Total	16	09-0-14-0		
			Total	16	23		

Semest	Semester 4 Total Credit: 15						
Sl. No.	Cayrea Nama	Course Name Code Type	Code Type	Cradit	Hours		
SI. NO.	Course Name			Credit	L-T-P-S		
1	Thesis- Part 2	IT6002	ELC	15	0-2-26-0		
		15	0-2-26-0				
		15	28				

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech-PhD. IT- Robotics and Machine Intelligence (RMI)

Semest	Semester 1 Total Credit: 20						
Cl No	Carana Nama	0.1	Tyma	G 1'4	Hours		
Sl. No.	Course Name	Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming	IT4002	PCC	4	2-0-4-0		
2	Practices	114002			2-0-4-0		
3	Introduction to Machine	IT4003	PCC	4	3-0-2-0		
3	Learning				3-0-2-0		
4	Image and Video Processing	IT4004	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
6	Research Methodology-2	AS4200	ELC	2	2-0-0-0		
			Total	20	15-0-10-0		
			1 otai	20	25		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	C- 1-	Tyma	Credit	Hours		
SI. NO.		Code	Type	Credit	L-T-P-S		
1	Deep Learning	IT4005	PCC	4	3-0-2-0		
2	Robot Motion Control	IT4020	PCC	4	3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
		·	Total	17	14-1-10-0		
			Total	17	25		

Exit: After successful completion of one year (first two semesters), students may get **PG Diploma.** They need to earn 6 credits additional, in summer, before exit.

Semester 3 Total Credit: 11							
Sl. No.	Carras Nama	Co to Town	Type Credit	Hours			
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Foundations of Robotics	IT4030	PCC	3	3-0-0-0		
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0		
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0		
4	Independent Study as advised by the Supervisor Suitable Title to be communicated for Grade Card purposes.	IT5001	ELC	2	0-0-4-0		
			Total	11	09-0-04-0		
			Total	11	13		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech. IT- Human-Computer Interaction (HCI)

Semest	Semester 1 Total Credit: 18						
Sl. No.	Course Name	Code	Typo	Credit	Hours		
SI. 1NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming	IT4002	PCC	4	2-0-4-0		
2	Practices	114002	100		2-0-4-0		
3	Introduction to Machine	IT4003	PCC	4	3-0-2-0		
3	Learning	114003	100		3-0-2-0		
4	Image and Video Processing	IT4004	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
			Tatal	10	13-0-10-0		
			Total	18	23		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	Code	Typo	Credit	Hours		
SI. 10.	Course Name	Code	Type	Credit	L-T-P-S		
1	Deep Learning	IT4005	PCC	4	3-0-2-0		
2	Advanced Graphics &	IT4040	PCC	4	3-0-2-0		
2	Animation				3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
			Total	17	11-1-10-0		
			Total	17	22		

Semest	Semester 3 Total Credit: 16						
Sl. No.	Course Name	Code	Tyma	Credit	Hours		
SI. NO.			Type	Credit	L-T-P-S		
1	Virtual Reality	IT4041	PCC	3	3-0-0-0		
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0		
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0		
4	Thesis- Part 1	IT6001	ELC	7	0-0-14-0		
			Total	1.6	09-2-10-0		
			Total	16	21		

Semester 4 Total Credit: 15						
C1 No	Sl. No. Course Name	Code	Tyma	Credit	Hours	
SI. NO.			Type		L-T-P-S	
1	Thesis- Part 2	IT6002	ELC	15	0-2-26-0	
		15	0-2-26-0			
		13	28			

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech-PhD. IT- Human-Computer Interaction (HCI)

Semester 1 Total Credit: 20						
Sl. No.	Carran Nama	0.1	Tyma	G 1'4	Hours	
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S	
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0	
2	Advanced Programming	IT4002	PCC	4	2-0-4-0	
2	Practices	114002	TCC		2-0-4-0	
3	Introduction to Machine	IT4003	PCC	4	3-0-2-0	
3	Learning	114003	100		3-0-2-0	
4	Image and Video Processing	IT4004	PCC	4	3-0-2-0	
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0	
6	Research Methodology-2	AS4200	ELC	2	2-0-0-0	
			T-4-1	20	15-0-10-0	
			Total		25	

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	Code	Tyma	Credit	Hours		
SI. NO.		Code	Type	Cledit	L-T-P-S		
1	Deep Learning	IT4005	PCC	4	3-0-2-0		
2	Advanced Graphics & Animation	IT4040	PCC	4	3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
			Total	17	14-1-10-0		
			Total	17	25		

Exit: After successful completion of one year (first two semesters), students may get *PG Diploma*. They need to earn 6 credits additional, in summer, before exit.

Semest	Semester 3 Total Credit: 11						
Sl. No.	Carras Nama	C- 1-	Tyma	Credit	Hours		
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Virtual Reality	IT4040	PCC	3	3-0-0-0		
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0		
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0		
4	Independent Study as advised by the Supervisor Suitable Title to be communicated for Grade Card purposes.	IT5001	ELC	2	0-0-4-0		
	·	Total	11	09-0-4-0			
			Total	11	13		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech. IT- Software Engineering (SE)

Semest	Semester 1 Total Credit: 18						
Sl. No.	Carana Nama	Code	Tyma	C 1'4	Hours		
SI. 1NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming Practices	IT4002	PCC	4	2-0-4-0		
3	Introduction to Machine Learning	IT4003	PCC	4	3-0-2-0		
4	Data Analytics	IT4008	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
			Total	18	13-0-10-0		
			Total		23		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	Code	Туре	Credit	Hours L-T-P-S		
1	Software Design & Architecture	IT4400	PCC	4	3-0-2-0		
2	Software Requirements and Estimation	IT4401	PCC	4	3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
			Total	17	11-1-10-0		
			Total	17	22		

Semest	Semester 3 Total Credit: 16							
Sl. No.	Course Name C	Codo	Code Type	Credit	Hours			
SI. 1NO.		Code		Credit	L-T-P-S			
1	Software Testing and Quality	IT4500	PCC	3	3-0-0-0			
1	Management	114300	100	3	3000			
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0			
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0			
4	Thesis- Part 1	IT6001	ELC	7	0-0-14-0			
			Total	1.6	09-0-14-0			
			Total	16	23			

Semest	Semester 4 Total Credit: 15					
Sl. No.	Course Name	Code	Туре	Credit	Hours	
SI. NO.	Course Name			Credit	L-T-P-S	
1	Thesis- Part 2	IT6002	ELC	15	0-2-26-0	
			Total	15	0-2-26-0	
			Total	13	28	

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech-PhD. IT- Software Engineering (SE)

Semest	Semester 1 Total Credit: 20						
Sl. No.	Carana Nama	Code	Tyma	Credit	Hours		
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming	IT4002	PCC	4	2-0-4-0		
	Practices	111002	100		2010		
3	Introduction to Machine	IT4003	PCC	4	3-0-2-0		
	Learning				3 0 2 0		
4	Data Analytics	IT4008	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
6	Research Methodology-2	AS4200	ELC	2	2-0-0-0		
			Total	20	15-0-10-0		
			Total		25		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	Code	Tyma	Credit	Hours		
SI. NO.		Code	Type	Credit	L-T-P-S		
1	Software Design & Architecture	IT4400	PCC	4	3-0-2-0		
2	Software Requirements and Estimation	IT4401	PCC	4	3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
		<u>.</u>	Total	17	11-1-10-0		
			1 otai	17	22		

Exit: After successful completion of one year (first two semesters), students may get **PG Diploma**. They need to earn 6 credits additional, in summer, before exit.

Semest	Semester 3 Total Credit: 11							
Sl. No.	Course Name	Code	Туре	Credit	Hours L-T-P-S			
1	Software Testing and Quality Management	IT4500	PCC	3	3-0-0-0			
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0			
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0			
4	Independent Study as advised by the Supervisor Suitable Title to be communicated for Grade Card purposes.	IT5001	ELC	2	0-0-4-0			
		Total	11	09-0-4-0				
			11	13				

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech. IT- Data Engineering (DE)

Semest	Semester 1 Total Credit: 18						
Sl. No.	Carana Nama	Code	Tyma	C 1'4	Hours		
SI. 1NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming Practices	IT4002	PCC	4	2-0-4-0		
3	Introduction to Machine Learning	IT4003	PCC	4	3-0-2-0		
4	Data Analytics	IT4008	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
			Total	18	13-0-10-0		
			Total		23		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	Code	Tyma	Credit	Hours		
SI. 1NO.			Туре	Credit	L-T-P-S		
1	Data Visualization	IT4601	PCC	4	3-0-2-0		
2	Big Data Analytics	IT4250	PCC	4	3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
		Total	17	11-1-10-0			
			Total	17	22		

Semest	Semester 3 Total Credit: 16							
Sl. No.	Course Name Co	Code	Туре	Credit	Hours			
SI. NO.		Code	ue Type	Credit	L-T-P-S			
1	Parallel and Distributed	IT4522	PCC	3	3-0-0-0			
1	Computing	114322	icc		3-0-0-0			
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0			
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0			
4	Thesis- Part 1	IT6001	ELC	7	0-0-14-0			
			Total	17	09-0-14-0			
			Total	16	23			

Semest	Semester 4 Total Credit: 15						
Sl. No.	Course Name	Code	Туре	Credit	Hours		
SI. NO.	Course Name			Credit	L-T-P-S		
1	Thesis- Part 2	IT6002	ELC	15	0-2-26-0		
			Total	15	0-2-26-0		
			Total	15	28		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech-PhD. IT- Data Engineering (DE)

Semest	Semester 1 Total Credit: 20						
Sl. No.	Carrier Name	Code	Tyma	Credit	Hours		
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming	IT4002	PCC	4	2-0-4-0		
	Practices	11 1002	100		2010		
3	Introduction to Machine	IT4003	PCC	4	3-0-2-0		
3	Learning				3 0 2 0		
4	Data Analytics	IT4008	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
6	Research Methodology-2	AS4200	ELC	2	2-0-0-0		
			Total	20	15-0-10-0		
			Total	20	25		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name Code	Codo	Tyma	Credit	Hours		
SI. NO.		Code	Type	Credit	L-T-P-S		
1	Data Visualization	IT4600	PCC	4	3-0-2-0		
2	Big Data Analytics	IT4250	PCC	4	3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
		·	Total	17	11-1-10-0		
		Total		17	22		

Exit: After successful completion of one year (first two semesters), students may get **PG Diploma.** They need to earn 6 credits additional, in summer, before exit.

Semest	Semester 3 Total Credit: 11						
Sl. No.	Course Name	Code	Type	Credit	Hours L-T-P-S		
1	Parallel and Distributed Computing	IT4500	PCC	3	3-0-0-0		
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0		
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0		
4	Independent Study as advised by the Supervisor Suitable Title to be communicated for Grade Card purposes.	IT5001	ELC	2	0-0-4-0		
			T-4-1	Total 11	09-0-4-0		
	Total				13		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech. IT- Wireless Communication and Computing (WCC)

Semester 1 Total Credit: 18						
Sl. No.	Course Name Code	Codo	Code Type	Credit	Hours	
SI. NO.		Code		Credit	L-T-P-S	
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0	
2	Advanced Programming	IT4002	PCC	4	2-0-4-0	
2	Practices				2-0-4-0	
3	Introduction to Cryptography	IT4009	PCC	4	3-0-2-0	
4	Networking Concepts	IT4010	PCC	4	3-0-2-0	
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0	
·			T	10	13-0-10-0	
			Total	18	23	

Semest	Semester 2 Total Credit: 17							
Sl. No.	Course Name Co	Code	Typo	Credit	Hours			
SI. NO.		Code	Code Type	Cledit	L-T-P-S			
1	Principles of Wireless	IT4700	PCC	4	3-0-2-0			
1	Communications	114/00	100	Т	3-0-2-0			
2	Cloud and Edge Computing	IT4701	PCC	4	3-0-2-0			
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0			
4	Project	IT5610	ELC	4	0-1-6-0			
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0			
			Total	17	11-1-10-0			
	Total			Total 17	22			

Semest	Semester 3 Total Credit: 16						
Sl. No.	Course Name Code	Code	Type	Credit	Hours		
S1. INO.		Code	Type	Credit	L-T-P-S		
1	Embedded Systems and IoT	IT4800	PCC	3	3-0-0-0		
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0		
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0		
4	Thesis- Part 1	IT6001	ELC	7	0-0-14-0		
		Tota	Total	1.0	09-0-14-0		
			1 otai	16	23		

Semest	Semester 4 Total Credit: 15					
Sl. No. Course Name Code Type	Tyma	Credit	Hours			
SI. NO.	Course Ivallie	Code	Type	Credit	L-T-P-S	
1	Thesis- Part 2	IT6002	ELC	15	0-2-26-0	
			Total	15	0-2-26-0	
			Total	15	28	

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech-PhD. IT- Wireless Communication and Computing (WCC)

Semest	Semester 1 Total Credit: 20						
Sl. No.	Carrier Name	0.1	Tyma	C 1'4	Hours		
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming Practices	IT4002	PCC	4	2-0-4-0		
3	Introduction to Cryptography	IT4009	PCC	4	3-0-2-0		
4	Networking Concepts	IT4010	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
6	Research Methodology-2	AS4200	ELC	2	2-0-0-0		
			Total	20	15-0-10-0		
			Total		25		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	Code	Typo	Credit	Hours		
S1. IVO.		Code	Туре	Credit	L-T-P-S		
1	Principles of Wireless	IT4700	PCC	4	3-0-2-0		
1	Communications	114/00	PCC	-	3-0-2-0		
2	Cloud and Edge Computing	IT4701	PCC	4	3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
		- T. 4	Total	17	11-1-10-0		
			Total	17	22		

Semest	Semester 3 Total Credit: 11						
Sl. No.	Carras Nama	Code	Tyma	Credit	Hours		
SI. NO.	Course Name	Code	Type	Cledit	L-T-P-S		
1	Embedded Systems and IoT	IT4800	PCC	3	3-0-0-0		
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0		
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0		
4	Independent Study as advised by the Supervisor Suitable Title to be communicated for Grade Card purposes.	IT5001	ELC	2	0-0-4-0		
		11	09-0-4-0				
			Total	11	13		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech. IT- Cyber Laws and Information Security (CLIS)

Semest	Semester 1 Total Credit: 18						
Sl. No.	Course Name	Code	Tyma	Credit	Hours		
SI. NO.		Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming Practices	IT4002	PCC	4	2-0-4-0		
3	Introduction to Cryptography	IT4009	PCC	4	3-0-2-0		
4	Networking Concepts	IT4010	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
		_	Total	10	13-0-10-0		
			Total	18	23		

Semest	Semester 2 Total Credit: 17							
Sl. No.	Course Name	Code	Typo	Credit	Hours			
SI. NO.	Course Ivaille	Code	Туре	Credit	L-T-P-S			
1	Information Security Laws	IT4900	PCC	4	3-0-2-0			
1	and Regulations	114900 PCC	7	3020				
2	Network Security	IT4901	PCC	4	3-0-2-0			
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0			
4	Project	IT5610	ELC	4	0-1-6-0			
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0			
		·	Total	17	11-1-10-0			
			10tai	1/	22			

Semest	Semester 3 Total Credit: 16							
Sl. No.	Course Name Cod	Code	Туре	Credit	Hours			
S1. NO.		Code	y I ype	Credit	L-T-P-S			
1	Cyber Physical System	IT4950	PCC	3	3-0-0-0			
1	Security	114930			3-0-0-0			
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0			
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0			
4	Thesis- Part 1	IT6001	ELC	7	0-0-14-0			
			Total	1.0	09-0-14-0			
			Total	16	23			

Semest	Semester 4 Total Credit: 15						
Cl. No.	Course Nome	Code	Туре	Credit	Hours		
SI. NO.	Sl. No. Course Name	Code			L-T-P-S		
1	Thesis- Part 2	IT6002	ELC	15	0-2-26-0		
	T-4-1				0-2-26-0		
			Total	15	28		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech-PhD. IT- Cyber Laws and Information Security (CLIS)

Semest	Semester 1 Total Credit: 20						
Sl. No.	C N	C 1	Tyma	O 1'4	Hours		
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Mathematics for IT	IT4001	PCC	4	3-0-2-0		
2	Advanced Programming Practices	IT4002	PCC	4	2-0-4-0		
3	Introduction to Cryptography	IT4009	PCC	4	3-0-2-0		
4	Networking Concepts	IT4010	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
6	Research Methodology-2	AS4200	ELC	2	2-0-0-0		
			Total	20	15-0-10-0		
			Total	20	25		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	Code	Type	Credit	Hours		
S1. 1VO.		Code	Type	Credit	L-T-P-S		
1	Information Security Laws	IT4900	PCC	4	3-0-2-0		
1	and Regulations	114700	PCC		3 0 2 0		
2	Network Security	IT4901	PCC	4	3-0-2-0		
3	Elective - 1	IT5501-IT5599	PEC	3	3-0-0-0		
4	Project	IT5610	ELC	4	0-1-6-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
			Total	17	11-1-10-0		
		Total		17	22		

Exit: After successful completion of one year (first two semesters), students may get **PG Diploma**. They need to earn 6 credits additional, in summer, before exit.

Semest	Semester 3 Total Credit: 11						
Sl. No.	Course Name	Code	Туре	Credit	Hours		
SI. 110.	Course Name	Couc	1 ypc	Cicuit	L-T-P-S		
1	Cyber Physical System	IT4950	PCC	3	3-0-0-0		
1	Security	114/30	100	3	3-0-0-0		
2	Elective – 2	IT5501-IT5599	PEC	3	3-0-0-0		
3	Elective - 3	IT5501-IT5599	OEC	3	3-0-0-0		
4	Independent Study as advised by the Supervisor Suitable Title to be communicated for Grade Card purposes.	IT5001	ELC	2	0-0-4-0		
		Total	11	09-0-4-0			
			Total	11	13		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech. Applied Science -Bio Informatics (BI)

Semest	Semester 1 Total Credit: 18						
Sl. No.	Carrana Nama	C 1	T	G 1'4	Hours		
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	OMICS	AS4001	PCC	4	3-0-2-0		
2	Data Analytics Fundamentals for Biology	AS4002	PCC	4	3-1-0-0		
3	Scripting and Computer Environments	AS4003	PCC	4	2-0-4-0		
4	Data Structure and Algorithms	AS4004	PCC	4	2-0-4-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
	·		T. 4.1	10	12-1-10-0		
			Total	18	23		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	Code	Туре	Credit	Hours L-T-P-S		
1	Data Engineering for Molecular Structure Prediction	AS4101	PCC	4	3-0-2-0		
2	Next-Generation Sequencing Tools and Algorithms	AS4103	PCC	4	3-0-2-0		
3	Elective - 1	AS5501-AS5599	PEC	3	3-0-0-0		
4	Project	AS5610	ELC	4	0-0-8-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
			Т-4-1	17	11-0-12-0		
			Total	17	23		

Semest	Semester 3 Total Credit: 16							
Sl. No.	Course Name	Code	Typo	Credit	Hours			
SI. 1NO.	Course Name	Code	Туре	Credit	L-T-P-S			
1	Elective – 2	AS5501-AS5599	PEC	3	3-0-0-0			
2	Elective – 3	AS5501-AS5599	PEC	3	3-0-0-0			
3	Elective - 4	AS5501-AS5599	OEC	3	3-0-0-0			
4	Thesis- Part 1	AS6001	ELC	7	0-0-14-0			
			Total	16	09-0-14-0			
			1 Otal	10	23			

Semest	Semester 4 Total Credit: 15						
C1 N ₂	Course Name	Code	Туре	Credit	Hours		
Sl. No.				Credit	L-T-P-S		
1	Thesis- Part 2	AS6002	ELC	15	0-0-30-0		
		15	0-0-30-0				
			Total	15	30		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech-PhD. Applied Science -Bio Informatics (BI)

Semest	Semester 1 Total Credit: 20						
Sl. No.	Course Name	Code	Туре	Credit	Hours L-T-P-S		
1	OMICS	AS4001	PCC	4	3-0-2-0		
1		A34001	PCC	4	3-0-2-0		
2	Data Analytics Fundamentals for Biology	AS4002	PCC	4	3-1-0-0		
3	Scripting and Computer Environments	AS4003	PCC	4	2-0-4-0		
4	Data Structure and Algorithms	AS4004	PCC	4	2-0-4-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
6	Research Methodology-2	AS4200	ELC	2	2-0-0-0		
			Total	20	14-1-10-0		
			Total	20	25		

Semest	Semester 2 Total Credit: 17						
Sl. No.	Course Name	C. 1.	Tyma	Credit	Hours		
SI. 1NO.	Course Ivallie	Code	Туре	Credit	L-T-P-S		
1	Data Engineering for	AS4101	PCC	4	3-0-2-0		
	Molecular Structure Prediction	-					
2	Next-Generation Sequencing	AS4103	PCC	4	3-0-2-0		
	Tools and Algorithms		100	•	3020		
3	Elective - 1	AS5501-AS5599	PEC	3	3-0-0-0		
4	Project	AS5610	ELC	4	0-8-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
		·	Total	17	11-0-12-0		
			Totai	17	23		

Exit: After successful completion of one year (first two semesters), students may get **PG Diploma**. They need to earn 6 credits additional, in summer, before exit.

Semest	Semester 3 Total Credit: 11						
Sl. No.	Course Name	Code	Typo	Credit	Hours		
S1. NO.	Course Ivallie	Code	Туре	Cledit	L-T-P-S		
1	Elective – 2	AS5501-AS5599	PEC	3	3-0-0-0		
2	Elective – 3	AS5501-AS5599	PEC	3	3-0-0-0		
3	Elective - 4	AS5501-AS5599	OEC	3	3-0-0-0		
4	Independent Study as advised by the Supervisor Suitable Title to be communicated for Grade Card purposes.	AS5001	ELC	2	0-0-4-0		
		Total	11	09-0-4-0			
			Total	11	13		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

Biology

M.Tech. Applied Science –Bio-Medical Engineering (BME)

Semest	Semester 1 Total Credit: 18						
Sl. No.	Course Name	Code	Tyma	Credit	Hours		
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S		
1	Circuits and Instrumentation for Biomedical Engineering	AS4500	PCC	4	3-0-2-0		
2	Biomechanics	AS4501	PCC	4	3-0-2-0		
3	Core courses to be chosen from one of the Basket 1/2		PCC	4	3-0-2-0		
4	Core courses to be chosen from one of the Basket 1/2		PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELC	2	2-0-0-0		
			T-4-1	l 18	14-0-08-0		
			Total		22		
Bask	ket 1: Medical/B.Pharma. /	Pharmacology/Bio	technology/N	I.Sc. in Bio	ology or Life		
	Sci	iences/Applied Cho	emistry				
Cl Na	Carrier Name	Cada	Т	G 1'4	Hours		
Sl. No.	Course Name	Code	Type	Credit	L-T-P-S		
1	Biosignal Processing	AS4530	PCC	4	3-0-2-0		
2	Mathematics and Statistics for Biology	AS4531	PCC	4	3-1-0-0		

Baske	Basket 2: Engineering/Technology/Instrumentation/Electronics/IT/CS/Physics/Applied Physics							
Sl. No.	Course Name	Code	Туре	Credit	Hours L-T-P-S			
1	Molecular Biology	AS4550	PCC	4	3-0-2-0			
2	Anatomy & Physiology	AS4551	PCC	4	3-0-2-0			

Semest	Semester 2 Total Credit: 17							
Sl. No.	Course Name	Code	Туре	Credit	Hours			
B1. 1 (0.	Course I valle	Code	1 7 190	Crean	L-T-P-S			
1	Advanced Medical	AS4200	PCC	4	3-0-2-0			
1	Instrumentation	A54200	rcc	4	3-0-2-0			
2	Biomedical Imaging	AS4201	PCC	4	3-0-2-0			
3	Elective - 1	AS5501-AS5599	PEC	3	3-0-0-0			
4	Project	AS5610	ELC	4	0-0-8-0			
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0			
		17	11-0-12-0					
		Total 17	23					

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

Semest	Semester 3 Total Credit: 17						
Sl. No.	Course Name	Code	Typo	Credit	Hours		
SI. 1VO.	Course Name		Type	Credit	L-T-P-S		
1	Elective – 2	AS5501-AS5599	PEC	3	3-0-0-0		
2	Elective – 2	AS5501-AS5599	PEC	3	3-0-0-0		
3	Elective - 4	AS5501-AS5599	OEC	3	3-0-0-0		
4	Thesis- Part 1	AS6001	ELC	7	0-0-14-0		
		·	Total	1.6	09-0-14-0		
			10tai	16	23		

Semester 4 Total Credit: 15							
Sl. No.	Course Name Code Type	Code Type	Code Tyme		Code Type Credit	Cradit	Hours
SI. NO.	Course Name		1 ype	Credit	L-T-P-S		
1	Thesis- Part 2	AS6002	ELC	15	0-0-30-0		
			Total	15	0-0-30-0		
			Total	15	30		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

MTECH ECE- Microelectronics (MI)

Semest	Semester 1 Total Credit: 18							
Sl. No.	Course Name	Code	Type	Credit	Hours			
51. 110.	Course Name		1 ypc	Credit	L-T-P-S			
1	Digital System Design	EC4001	PCC	4	3-0-2-0			
2	VLSI Technology	EC4002	PCC	4	3-0-2-0			
3	Solid State Devices	EC4003	PCC	4	3-0-2-0			
4	Embedded System Design	EC4004	PCC	4	3-0-2-0			
5	Research Methodology & IPR	AS4100	ELE	2	2-0-0-0			
			Total	10	14-0-08-0			
			Total	18	22			

Semest	Semester 2 Total Credit: 17						
Sl. No.	Caymaa Namaa	Code	Tyma	Credit	Hours		
SI. NO.	Course Name	Code	Туре	Cledit	L-T-P-S		
1	Testing and Verification	EC4005	PCC	4	3-0-2-0		
2	Analog Integrated Circuit	EC4006	PCC	4	3-0-2-0		
2	Design				3-0-2-0		
3	Elective - 1	EC5501-EC5599	PEC	3	3-0-0-0		
4	Project	EC5610	PEC	4	0-8-0		
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0		
	·		Total	17	11-0-12-0		
			Total	1/	23		

Semest	Semester 3 Total Credit: 16						
Sl. No.	Course Name Co	Code	Tyma	Гуре Credit	Hours		
SI. NO.	Course Ivaille	Name Code Type	1 ype	Credit	L-T-P-S		
1	Elective – 2	EC5501-EC5599	PEC	3	3-0-0-0		
2	Elective – 3	EC5501-EC5599	PEC	3	3-0-0-0		
3	Elective - 4	EC5501-EC5599	OEC	3	3-0-0-0		
4	Thesis- Part 1	EC6001	ELC	7	0-0-14-0		
			Total	1.0	09-0-14-0		
			Total	16	23		

Semest	Semester 4 Total Credit: 15					
S1 No Course Norm	Course Nome	Code	Туре	Credit	Hours	
SI. NO.	Sl. No. Course Name			Credit	L-T-P-S	
1	Thesis- Part 2	EC6002	ELC	15	0-2-26-0	
		15	0-2-26-0			
			Total	15	28	

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech-PhD. IT- Microelectronics (MI)

Semest	Semester 1 Total Credit: 20						
Sl. No.	Course Name	Code	Туре	Credit	Hours		
SI. 100.		Code	1 ype	Credit	L-T-P-S		
1	Digital System Design	EC4001	PCC	4	3-0-2-0		
2	VLSI Technology	EC4002	PCC	4	3-0-2-0		
3	Solid State Devices	EC4003	PCC	4	3-0-2-0		
4	Embedded System Design	EC4004	PCC	4	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELE	2	2-0-0-0		
6	Research Methodology-2	AS4200	ELC	2	2-0-0-0		
			T. 4.1	20	16-0-08-0		
			Total	20	24		

Semester 2 Total Credit: 17					
Sl. No.	o. Course Name Code Type	Cada	Tyma	Credit	Hours
SI. 1NO.		Credit	L-T-P-S		
1	Testing and Verification	EC4005	PCC	4	3-0-2-0
2	Analog Integrated Circuit Design	EC4006	PCC	4	3-0-2-0
3	Elective - 1	EC5501-EC5599	PEC	3	3-0-0-0
4	Project	EC5610	PEC	4	0-0-8-0
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0
		17	11-0-12-0		
			Total	1/	23

Exit: After successful completion of one year (first two semesters), students may get **PG Diploma**. They need to earn 6 credits additional, in summer, before exit.

Semest	Semester 3 Total Credit: 11					
Sl. No.	Course Name	Code	Туре	Credit	Hours	
SI. 1NO.	Course Name	Code	1 ype	Credit	L-T-P-S	
1	Elective – 2	EC5501-EC5599	PEC	3	3-0-0-0	
2	Elective – 3	EC5501-EC5599	PEC	3	3-0-0-0	
3	Elective - 4	EC5501-EC5599	OEC	3	3-0-0-0	
4	Independent Study as advised by the Supervisor Suitable Title to be communicated for Grade Card purposes.	EC5001	ELC	2	0-0-4-0	
			Total	11	09-0-4-0	

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech. ECE- Communication Engineering (CE)

Semest	Semester 1 Total Credit: 18						
Sl. No.	Course Name	Code	Туре	Credit	Hours		
51. 1 (6.			1700	er c an	L-T-P-S		
1	Advanced Digital	EC4075	PCC	4	3-0-2-0		
1	Communication	EC40/5	rcc	4	3-0-2-0		
2	Statistical Signal Analysis	EC4076	PCC	4	3-0-2-0		
3	Radiating Systems	EC4077	PCC	4	3-0-2-0		
4	Introduction to Machine	EC4078	PCC	4	3-0-2-0		
	Learning	EC 1 076	100	+	3-0-2-0		
5	Research Methodology & IPR	AS4100	ELE	2	2-0-0-0		
	·		Tr. 4.1	10	14-0-08-0		
			Total	18	22		

Semest	Semester 2 Total Credit: 17					
Sl. No.	C N	C 1	Tyma	Credit	Hours	
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S	
1	Principles of Wireless Communications	EC4035	PCC	4	3-0-2-0	
2	Recent Advances in Machine Learning	EC4036	PCC	4	3-0-2-0	
3	Elective - 1	EC5500-EC5599	PEC	3	3-0-0-0	
4	Project	EC5610	PEC	4	0-0-8-0	
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0	
			Total	17	11-0-12-0	
			Totai	17	23	

Semest	Semester 3 Total Credit: 16							
Sl. No.	Course Name	Code	Tyma	Cype Credit	Hours			
SI. 1NO.	Course Name Code Type	Cledit	L-T-P-S					
1	Elective – 2	EC5501-EC5599	PEC	3	3-0-0-0			
2	Elective – 3	EC5501-EC5599	PEC	3	3-0-0-0			
3	Elective - 4	EC5501-EC5599	OEC	3	3-0-0-0			
4	Thesis- Part 1	EC6001	ELC	7	0-0-14-0			
			Total	16	09-0-14-0			
		100	1 Otai	10	23			

Semest	Semester 4 Total Credit: 15						
Sl. No. Course Name Co	Codo	Tyma	Credit	Hours			
SI. 10.	No. Course Name Code Typ	Туре	Crean	L-T-P-S			
1	Thesis- Part 2	EC6002	ELC	15	0-2-26-0		
		15	0-2-26-0				
			Total	15	28		

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

M.Tech-PhD. ECE- Communication Engineering (CE)

Semest	Semester 1 Total Credit: 20				
Sl. No.	Course Name	Code	Type	Credit	Hours L-T-P-S
1	Advanced Digital Communication	EC4075	PCC	4	3-0-2-0
2	Statistical Signal Analysis	EC4076	PCC	4	3-0-2-0
3	Radiating Systems	EC4077	PCC	4	3-0-2-0
4	Introduction to Machine Learning	EC4078	PCC	4	3-0-2-0
5	Research Methodology & IPR	AS4100	ELE	2	2-0-0-0
6	Research Methodology-2	AS4200	ELC	2	2-0-0-0
li .			Total	20	16-0-08-0
			10001	_0	24

Semest	Semester 2 Total Credit: 17					
Sl. No.	Course Name	Code	T	Credit	Hours	
SI. NO.			Туре		L-T-P-S	
1	Principles of Wireless Communications	EC4035	PCC	4	3-0-2-0	
2	Recent Advances in Machine Learning	EC4036	PCC	4	3-0-2-0	
3	Elective - 1	EC5500-EC5599	PEC	3	3-0-0-0	
4	Project	EC5610	PEC	4	0-8-0	
5	HSMC	MS1102-MS1110	HSMC	2	2-0-0-0	
			Total	17	11-0-12-0	
			1 Otal	1/	23	

Exit: After successful completion of one year (first two semesters), students may get **PG Diploma**. They need to earn 6 credits additional, in summer, before exit.

Semest	Semester 3 Total Credit: 11					
Sl. No.	Course Name	C- 1-	Tyma	Credit	Hours	
SI. NO.		Code	Type	Credit	L-T-P-S	
1	Elective – 2	EC5501-EC5599	PEC	3	3-0-0-0	
2	Elective – 3	EC5501-EC5599	PEC	3	3-0-0-0	
3	Elective - 4	EC5501-EC5599	OEC	3	3-0-0-0	
4	Independent Study as advised by the Supervisor Suitable Title to be communicated for Grade Card purposes.	EC5001	ELC	2	0-0-4-0	
		11	09-0-4-0			
ı			Total	11	13	

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

MBA- Management Studies

Semest	Semester 1 Total Credit: 20					
Sl. No.	C N	C - 1 -	Tyma	G 1'4	Hours	
SI. NO.	Course Name	Code	Type	Credit	L-T-P-S	
1	Financial Statements and Analysis	MS4101	PCC	3	2-1-0-0	
2	Business Statistics	MS4102	PCC	3	2-0-2-0	
3	Research Methodology	MS4103	PCC	3	3-0-0-0	
4	Economics	MS4104	PCC	3	3-0-0-0	
5	Management Thought and Environment	MS4105	PCC	3	2-0-2-0	
6	IT Infrastructure & Services Mgt.	MS4106	PCC	3	2-0-2-0	
7	Organizational Behavior	MS4107	PCC	2	2-0-0-0	
			Total	20	16-1-06-0	
			Total	20	22	

Semest	Semester 2 Total Credit: 20					
Sl. No.	Course Name	Code	Туре	Credit	Hours	
DI. 110.	Course I value	Code	Турс	Cicuit	L-T-P-S	
1	Corporate Finance	MS4108	PCC	3	2-1-0-0	
2	Production & Operations Management	MS4109	PCC	3	2-0-2-0	
3	Operation Research	MS4110	PCC	3	2-0-2-0	
4	Human Resource Management	MS4111	PCC	3	2-0-2-0	
5	Marketing Management	MS4112	PCC	3	2-0-2-0	
6	Database Management Systems	MS4113	PCC	3	2-0-2-0	
7	Entrepreneurship Development	MS4114	PCC	2	1-0-2-0	
			Total	20	13-1-12-0	
			Total	20	26	

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

Semest	Semester 3 Total Credit: 20						
Sl. No.	Course Name	C - 1 -	Тута	Credit	Hours		
SI. NO.	Course Ivaille	Code	Туре		L-T-P-S		
1	Strategic Management	MS5201	PCC	3	2-0-2-0		
2	Business Continuity Plan & DRP	MS5202	PCC	3	2-0-2-0		
3,4	Two courses to be chosen from one of the Baskets 1/2/3/4/5/6	MS5501-MS5599	PEC	3 3	2-0-2-0 2-0-2-0		
5,6	Two courses to be chosen from one of the Baskets 1/2/3/4/5/6	MS5501-MS5599	PEC	3 3	2-0-2-0 2-0-2-0		
7	Summer Internship	MS6001	PEC	2	0-0-0-4		
				20	12-0-12-0		
			Total	20	24		
D 1 4 1	D 1 (4 NK 1 (* NK						

Basket 1: Marketing Management

Basket 2: Human Resource Management

Basket 3: Financial Management

Basket 4: IT

Basket 5: Operation Management

Basket 6: Entrepreneurship Development

Semest	Semester 4 Total Credit: 22					
Sl. No.	Course Name	C . 1.	Тута	Credit	Hours	
S1. INO.	Course Name	Code	Type		L-T-P-S	
1	Digital Transformation	MS5203	PCC	3	2-0-2-0	
2	Product Management	MS5204	PCC	3	2-0-2-0	
3,4	Two courses to be chosen from one of the Baskets	MS5501-MS5599	PEC	3 3	2-0-2-0 2-0-2-0	
	1/2/3/4/5/6			<u> </u>	2-0-2-0	
5,6	Two courses to be chosen from one of the Baskets 1/2/3/4/5/6	MS5501-MS5599	PEC	3 3	2-0-2-0 2-0-2-0	
7	Master Project	MS6002	PEC	4	0-0-0-8	
			Total	22	16-0-4-8	
			Total	22	28	

Basket 1: Marketing Management

Basket 2: Human Resource Management

Basket 3: Financial Management

Basket 4: IT

Basket 5: Operation Management

Basket 6: Entrepreneurship Development

[&]quot;Applicable with effect from 2023 admitted batch and onwards"

					Harring
Sl. No.	Course Name	Code	Type	Credit	Hours L-T-P-S
					L-1-P-3
Finance l	Basket				
1	Security Analysis and A Portfolio Management	MS5501	PEC	3	3-0-0-0
2	International Financial Management	MS5502	PEC	3	3-0-0-0
3	Strategic Cost Management	MS5503	PEC	3	3-0-0-0
4	Behaviour Finance	MS5504	PEC	3	3-0-0-0
5	Management of Banking and Financial Institution	MS5505	PEC	3	3-0-0-0
6	Financial Technology	MS5506	PEC	3	3-0-0-0
7	Financial Derivatives and Risk Management	MS5507	PEC	3	3-0-0-0
8	Project Appraisal and Financing	MS5508	PEC	3	3-0-0-0
Operatio	n Basket				
1	Strategic Sourcing and Logistic Management	MS5509	PEC	3	3-0-0-0
2	Supply Chain Management	MS5510	PEC	3	3-0-0-0
3	Project Management	MS5511	PEC	3	3-0-0-0
4	Knowledge Management	MS5512	PEC	3	3-0-0-0
5	Total Quality Management and Six Sigma	MS5513	PEC	3	3-0-0-0
6	Sustainable and Global Supply Chain	MS5514	PEC	3	3-0-0-0
7	Service Operations Management	MS5515	PEC	3	3-0-0-0
8	Advanced Operations Research	MS5516	PEC	3	3-0-0-0
IT Baske	1				
1	FIS and IT Audit	MS5517	PEC	3	3-0-0-0
2	IT Risk Compliance	MS5518	PEC	3	3-0-0-0
3	IT Governance & Control	MS5519	PEC	3	3-0-0-0
4	Cyber Security Strategy and Implementation	MS5520	PEC	3	3-0-0-0
5	Cloud Services & Security	MS5521	PEC	3	3-0-0-0

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6	Search Engine Optimization	MS5522	PEC	3	3-0-0-0
7	Risk Vulnerability and Physical Assessment	MS5523	PEC	3	3-0-0-0
8	Expert System Design and Applications	MS5524	PEC	3	3-0-0-0
9	System Analysis and Design and Software Engineering	MS5525	PEC	3	3-0-0-0
10	Business Intelligence	MS5526	PEC	3	3-0-0-0
Market	ting Basket				
1	Advertising and Sales Promotion	MS5527	PEC	3	3-0-0-0
2	Digital Marketing	MS5528	PEC	3	3-0-0-0
3	Marketing of Services	MS5529	PEC	3	3-0-0-0
4	Retail Operations and Management	MS5530	PEC	3	3-0-0-0
5	International Marketing	MS5531	PEC	3	3-0-0-0
6	Strategic Marketing	MS5532	PEC	3	3-0-0-0
7	Business Marketing and Key Account Management	MS5533	PEC	3	3-0-0-0
8	Consumer Behaviour	MS5534	PEC	3	3-0-0-0
9	Marketing Research	MS5535	PEC	3	3-0-0-0
10	Data Driven Marketing	MS5536	PEC	3	3-0-0-0
HR Bas	sket				
1	Emotional Intelligence and Leadership	MS5537	PEC	3	3-0-0-0
2	Employer Brand Building	MS5538	PEC	3	3-0-0-0
3	Strategic HRM	MS5539	PEC	3	3-0-0-0
4	Creativity and Innovation	MS5540	PEC	3	3-0-0-0
5	Training and Development	MS5541	PEC	3	3-0-0-0
Entrep	reneur Basket				
1	Entrepreneurship Development	MS5542	PEC	3	3-0-0-0
2	Innovation Development	MS5543	PEC	3	3-0-0-0
3	Social Entrepreneurship	MS5544	PEC	3	3-0-0-0
4	Entrepreneurial Finance	MS5545	PEC	3	3-0-0-0

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5	Project Appraisal and Management	MS5546	PEC	3	3-0-0-0
6	Managing Corporate Entrepreneurship	MS5547	PEC	3	3-0-0-0

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