

SR UNIVERSITY

School of CS & AI

R25 Course Structure-MCA

I SEM						
S.No.	Course Code	Course	Hours / Week			
			L	T	P/D	C
1	25MCA202PC501	Data Science for Intelligent Systems	2	-	2	3
2	25MCA402PC502	Advanced Data Structures and Algorithms using java	4	-	2	5
3	25CAI302PC503	Modern Operating System and Computer Networks	3	-	2	4
4	25CAI206CR501	AI Assisted Problem Solving Using Python	2	-	6	5
5	25BUS400RM501	Sustainability, Critical Thinking, Research Methodology and	4	-	0	4
6	25HUM302CR502	Life Skills: Entrepreneurship, Language, Communication and Personality	3	-	2	4
Total			16	0	14	25
II SEM						
S.No.	Course Code	Course	Hours / Week			
			L	T	P/D	C
1	25MCA402PC504	Generative AI	4	-	2	5
2	25MCA302PC505	Advance Database Management Systems	3	-	2	4
3	25MCA302PC506	Cloud Architecture and Virtualization	3	-	2	4
4	25MCA302PC507	Applied Natural Language Processing	3	-	2	4
5	25MCA302PC508	Ethics and Regulations in AI Security	3	-	2	4
6	25HUM204CR503	Aptitude and Reasoning	2	-	4	4
Total			18	0	14	25
III SEM						
S.No.	Course Code	Course	Hours / Week			
			L	T	P/D	C
1	25MCA012PR601	Capstone Project	-	-	12	6
2		Program Elective-I	2	0	2	3
3		Program Elective-II	2	0	2	3
4		Open Elective	3	0	0	3
		OR				
	25MCA030PR602	Industrial Project/R&D Project/Industry Internship/Start-up/Externship	-	-	30	15
Total						15
IV SEM						
S.No.	Course Code	Course	Hours / Week			
			L	T	P/D	C
1	25MCA030PR603	Major Project/Industrial Project/R&D Project/Industry Internship/Start-up/Externship	-	-	30	15
Total						15
Total Credits						80
Program Electives						
S.No.	Course Code	Program Electives I & II	Hours / Week			
			L	T	P/D	C
1	25MCA202PE601	Network and Information Security	2	-	2	3
2	25MCA202PE602	Deep Reinforcement Learning and Applications	2	-	2	3
3	25CAI202PE603	Business Intelligence and Predictive Analytics	2	-	2	3
4	25MCA202PE603	Image and Video Analytics	2	-	2	3
Open Electives						
S.No.	Course Code	Course	Hours / Week			
			L	T	P/D	C
1	25PEL300OE601	Energy Systems & Management	3	-	-	3
2	25PEL300OE602	Renewable Energy Technologies	3	-	-	3
3	25CAI300OE603	Cybersecurity Law and Policy	3	-	-	3
4	25CAI300OE604	Block Chain Technology	3	-	-	3
5	25AMS300OE605	Operations Research	3	-	-	3
6	25AMS300OE606	3D Printing	3	-	-	3
7	25ECE300OE607	Internet of Things and IIoT	3	-	-	3
8	25ECE300OE608	Pattern Recognition and Vision Systems	3	-	-	3
9	25CTM300OE609	Disaster Management	3	-	-	3

10	25CTM300OE610	Smart Cities	3	-	-	3
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