

MSC COMPUTER SCIENCE PROGRAMME
SCHEME OF LEARNING AND EVALUATION
(For the students admitted in the academic year 2025 – 2026 & onwards)
Outcome Based Curriculum Framework with CBCS

Course Code	Course Title	Course Category	Course Type	Part Type	Semester	Lecture Hours	Tutorial Hours	Practical Hours	Course Credits	Max CA Marks	Max CE Marks	Total Marks
Semester - I												
25CMP101	Metaverse-Near Future Technologies	Core	Theory	3	1	3	1	0	4	25	75	100
25CMP102	Python and R Programming for Data Science	Core	Theory	3	1	3	1	0	4	25	75	100
25CMP103	AI and Soft Computing	Core	Theory	3	1	3	1	0	4	25	75	100
25CMP104	Full Stack Web Development	Core	Theory	3	1	3	1	0	4	25	75	100
25CMP105	Cloud Computing and Bigdata	Core	Theory	3	1	3	1	0	4	25	75	100
25CMP106	Programming Lab-I (Programming Skills Using R, Python, PHP Node Js, and Java Script) (Skill Based)	Core	Practical	3	1	0	0	6	2	40	60	100
25CMP107	Programming Lab-II (Programs Based On Software Tools, Weka, Rapid Miner, Octave, Python. Basics Using Object Oriented Programming and R Programming) (Skill Based)	Core	Practical	3	1	0	0	4	2	40	60	100
Semester - II												
25CMP208A	Major Elective Course-I: Machine Learning and Applications	Elective	Theory	3	2	4	1	0	5	25	75	100
25CMP208B	Major Elective Course - I Mobile Computing	Elective	Theory	3	2	4	1	0	5	25	75	100
25CMP209	Internet of Things - IoT	Core	Theory	3	2	3	1	0	4	25	75	100
25CMP210	Data Analytics using Python	Core	Theory	3	2	3	1	0	4	100	0	100
25CMP211	Statistics for Computer Science	Core	Theory	3	2	4	1	0	2	25	75	100
25CMP212	Programming Lab - III (Python for Data Analytics, IoT,Networking & Machine Learning) (Skill Based)	Core	Practical	3	2	0	0	6	2	40	60	100

25CMP213	Programming Lab - IV (Based on software tools Protégé,gephi,net graph,photoshop,flash,corel draw,Dotnet framework,C#) (Skill Based)	Core	Practical	3	2	0	0	4	2	40	60	100
25SECP201	Skill Enhancement Course: Cyber Security	Core	Theory	3	2	2	0	0	2	100	0	100
Semester - III												
25CMP314A	Deep Learning	Elective	Theory	3	3	4	1	0	5	25	75	100
25CMP314B	Digital Marketing	Elective	Theory	3	3	4	1	0	5	25	75	100
25CMP315	Software Agent	Core	Theory	3	3	2	1	0	4	100		100
25CMP316	Innovation of Design Thinking	Core	Theory	3	3	3	1	0	4	25	75	100
25CMP317	Bio-Metrics and Identity Management	Core	Theory	4	3	2	1	0	4	25	75	100
25CMP318	Programming Lab –V (Python For Deep Learning, Biometrics, and Software Agent) (Skill Based)	Core	Practical	3	3	0	0	6	2	40	60	100
25CMP319	Programming Lab –VI (Based on Advanced Dynamic Programming in Python and Backend Databases SQL,MySQL) (Skill Based)	Core	Practical	3	3	0	0	4	2	40	60	100
25IDCCMP	Inter Disciplinary Course:Webdesign using HTML and Javascript(Theory)	Elective	Theory	3	3	0	0	0	2	25	75	100
25IDCCMP	Inter Disciplinary Course:Webdesign using HTML and Javascript(Practical)	Elective	Practical	3	3	0	0	0	2	40	60	100
25CMP322	Project 1 and Viva Voce	Core	Project	3	3	0	0	0	2	40	60	100
Semester - IV												
25CMP423	Blockchain Technology	Core	Theory	3	4	3	1	0	4	25	75	100
25CMP424	AI & Quantum Computing	Core	Theory	3	4	3	1	0	4	25	75	100
25CMP425	Robotic Process Automation	Core	Theory	3	4	3	1	0	4	25	75	100
25CMP426	Programming Lab - VII (Python for Blockchain, RPA and Quantum Computing) (Skill Based)	Core	Practical	3	4	0	0	6	2	40	60	100
25CMP427	Programming Lab - VIII (Data Visualization Using Power BI) (Skill Based)	Core	Practical	3	4	0	0	4	2	40	60	100
25CMP428	Project - II & Viva Voce	Core	Project	3	4	0	0	0	4	80	120	200