

**P.E. Society's Modern College of Arts, Science and Commerce(Autonomous), Ganeshkhind, Pune 16.**

**Department of Computer Science - Course- MSc(Computer Science)**

Level	Sem	Disciplinary Major Mandatory	DSE Electives	RM	OJT/FP	RP	Cumulative Credits
6	I	14 Cr N23-CSM111- 4Cr-(Th)-Paradigm of Programming Languages 4Cr-(Th)-N23-CSM112 -Database Technologies 4Cr - (Th)-N23-CSM113 -Artificial Intelligence 2Cr (Pr)-N23-CSM114 -Practical on PPL & Databases Technologies	4Cr 2Cr-(Th)-N23-CSE115-Cloud Computing 2Cr-(Pr)-N23-CSE116-Cloud Computing Practical	4 Cr( 2Cr(Th)+ 2Cr(Pr)			22
	II	14 Cr 4 Cr-(Th)-N23-CSM121- Software Testing Using Manual and Automated Tools 4Cr-(Th)-N23-CSM122- Soft Skill & Personality Development 4 Cr(Th)-N23-CSM123 Emerging Trends in Data Science 2Cr-(Pr)-N23-CSM124 Data Science Practical	4Cr 2Cr-(Th)-N23-CSE125-Machine Learning 2Cr-(Pr)-N23-CSE126- Machine Learning Practical		4Cr		22
Cu. Cr. for PG Diploma		24-28	8	4	4		40-44
Exit Option: PG Diploma(40-44) Credits after three-year UG Degree							
6.5	III	14 Cr 4Cr-(Th)-N23-CSM211- Software Architecture & Design Patterns 4Cr-(Th)-N23-CSM212- Management Information Systems and Decision Support Systems 4Cr-(Th)-N23-CSM213- Cryptography and Computer Security 2Cr-(Pr)-N23-CSM214- SADP Practical using JAVA	4Cr 2Cr- (Th)-N23-CSE215-Project 2Cr-(Pr)-N23-CSE216-Project Related Assignments			4	22
	IV	12 Cr 4Cr-(Th)- N23-CSM221-Business Intelligence 4Cr-(Th)-N23-CSM222 -DevOps 4Cr-(Pr)-N23-CSM223- DevOps Practical	4Cr 2Cr-(Th)-N23-CSE224-Cyber Security 2Cr-(Pr)-N23-CSE225-Cyber Security Practical			6	22
Cum. Cr. for 1 Yr. PG		22-26	8			10	40-44
Cum. Cr. for 2 Yr. PG		46-54	16	4	4	10	80-88