

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

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

Level	Sem	Disciplinary Major Mandatory	DSE Electives	RM	OJT/FP	RP	Cumulative Credits
6	I	14 Cr 4Cr-(Th)-N23-CAM111-Object Oriented Programming with C++ 4Cr(Th)N23-CAM112- Advance Databases 4Cr-(Th)-N23-CAM113-Web technology 2Cr-(Pr)-N23-CAM114-Web technology Practical	4Cr 2Cr-(Th)-N23-CAE115-Cloud Computing 2Cr-(Pr)-N23-CAE116-Cloud Computing Practical	4 Cr( 2Cr(Th)+ 2Cr(Pr)			22
	II	14 Cr 4Cr-(Th)-N23-CAM121 -Java Programming 4Cr-(Th)- N23-CAM122 -Data Warehousing & Data Mining 4Cr-(Th)-N23-CAM123- Computer Networking 2Cr-(Th)-N23-CAM124 -Soft Skill & Personality Development	4Cr 2Cr(Th)-N23-CAE125-Project 2Cr-(Pr)-N23-CAE126- Project Related Assignments		4Cr		22
Cu. Cr. for PG Diploma		24-28	8	4	4		40-44
6.5	III	14 Cr 4Cr-(Th)-N23-CAM211-Mobile Application Development UsingAndroid 4Cr-(Th)-N23-CAM212-Software Testing Tools 4Cr-(Th)-N23-CAM213-Data Science 2Cr(Pr)-N23-CAM214-Data Science Practical Using R	4Cr  2Cr (Th)-N23-CAE215-Python Programming 2Cr(Pr)-N23-CAE216-Python Programming Practical			4	22
	IV	12 Cr 4Cr-(Th)-N23-CAM221-Business Intelligence 4Cr-(Th)-N23-CAM222-DevOps 4Cr-(Pr)-N23-CAM223-DevOps Practical	4Cr 2Cr(Th)-N23-CAE224-Cyber Security-2(Pr)-N23- CAE225-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