



Tilak Maharashtra Vidyapeeth, Pune

Department Of Computer Science

Course Structure for MCA with Choice Base Credit System

Semester I

Subject Code	Subject Name	External Marks	Internal Marks	Category Of Subject	Credit Points
MCA-131	C programming	60	40	Core	4
MCA-132	Mathematics & statistics	60	40	Foundation	4
MCA-133	Operating System	60	40	Core	4
MCA-134	DBMS	60	40	Core	4
MCA-135 MCA-136	ERP OR Business Skills	60	40	Choice Based	2
MCA-137	LAB- C programming + Mini Project	60	40	Core	4
				Total Credits	22

Semester II

Subject Code	Subject Name	External Marks	Internal Marks	Category Of Subject	Credit Points
MCA-231	Data Mining & Data Warehousing	60	40	Core	4
MCA-232	C++ Object oriented Programming	60	40	Core	4
MCA-233	Data Structures	60	40	Complementary	4
MCA-234	NMGT	60	40	Core	4
MCA-235 MCA-236	PPM OR Ethics	60	40	Choice Based	2
MCA-237	LAB – C++ And DS + Mini Project	60	40	Core	4
				Total Credits	22





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Semester III

Subject Code	Subject Name	External Marks	Internal Marks	Category Of Subject	Credit Points
MCA-331	Advance computer Network	60	40	Core	4
MCA-332	Oracle	60	40	Core	4
MCA-333	Core Java	60	40	Core	4
MCA-334	Internet Programming (HTML, Java script/XML)	60	40	Core	4
MCA-335	Cyber law OR	60	40	Choice Based	2
MCA-336	Indology				
MCA-337	LAB – JAVA & Oracle & Internet programming + Mini Project	60	40	Core	4
				Total Credits	22

Semester IV

Subject Code	Subject Name	External Marks	Internal Marks	Category Of Subject	Credit Points
MCA-431	ADV Java	60	40	Core	4
MCA-432	Mobile Computing	60	40	Core	4
MCA-433	Linux & Shell programming	60	40	Core	4
MCA-434	Micro Processor System	60	40	Core	4
MCA-435	SQT OR	60	40	Choice Based	2
MCA-436	Research Methodology				
MCA-437	LAB – Adv Java And Linux + Mini Project	60	40	Core	4
				Total Credits	22





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Semester V

Subject Code	Subject Name	External Marks	Internal Marks	Category Of Subject	Credit Points
MCA-531	ASP.Net	60	40	Core	4
MCA-532	PHP	60	40	Core	4
MCA-533	OO Software Engineering	60	40	Core	4
MCA-534	Cloud computing	60	40	Core	4
MCA-535	Business Application	60	40	Complementary	2
MCA-536	LAB – ASP.Net and PHP + Mini Project	60	40	Core	4
				Total Credits	22