

CURRICULUM

Year	First Semester			Second Semester		
	Course Code	Course Name	Credits	Course Code	Course Name	Credits
I	14MCA101	Introduction to Computing	4	14MCA104	Database Management Systems	4
	14ENG104	English for Communication	4	14MCA105	Data Structures through C++	4
	14MCA102	Programming to Python	4	14MAT105	Discrete Mathematics	4
	14MCA103	Computer Organization	4	14MCA106	Operating Systems	4
	14MCA201	Programming to Python Practical	2	14MCA203	Database Management Systems Practical	2
	14MCA202	Office Automation Practical	2	14MCA204	Unix and Shell Programming Practical	2
	14ENG201	Communication Skills Practical	2	14MCA205	Data Structures Using C++ Practical	2
		Total		22		Total

Year	First Semester			Second Semester		
	Course Code	Course Name	Credits	Course Code	Course Name	Credits
II	14MCA107	Java Programming	4	14MCA110	Web Technology through Java	4
	14HUM403	Accounting and Financial Management	4	14MCA111	Data Warehousing and Data Mining	4
	14MCA108	Computer Networks	4	14MCA112	Mobile Application Development using Android	4
	14MCA109	Software Engineering	4		Discipline Elective - I	4
	14MCA206	Unified Modeling Language Practical	2	14MCA209	Web Technology through JAVA Practical	2
	14MCA207	Java Programming Practical	2	14MCA210	Data Warehousing and Data Mining Practical	2
	14MCA208	Networks Practical	2	14MCA211	Mobile Application Development Using Android Practical	2
		Audit Course –I	-	14MCA501	Seminar – I	2
		Total		22		Total

Year	First Semester			Second Semester		
	Course Code	Course Name	Credits	Course Code	Course Name	Credits
III	14MCA113	Big Data and Analytics	4	14MCA115	Software Testing	4
	14MCA114	Network Programming	4		Open Elective	4
		Discipline Elective – II	4	14MAT106	Optimization Techniques	4
	14MCA212	Big Data And Analytics Practical	2	14MCA503	Seminar-III	2
	14MCA213	Network Programming Practical Through C++.	2	14MCA602	Major Project	19
		Discipline Elective - II Practical	2		Audit Course -II	-
	14MCA502	Seminar – II	2			
	14MCA601	Mini Project	8			
		Total	28		Total	33

List of Discipline Core Courses
(All Courses Carry Equal Marks (100))

Sl. No.	Course Code	Course Name	Credits
	Theory Course		
1.	14MCA101	Introduction to Computing	4
2.	14MCA102	Programming to Python	4
3.	14MCA103	Computer Organization	4
4.	14MCA104	Database Management Systems	4
5.	14MCA105	Data Structures Through C++	4
6.	14MCA106	Operating Systems	4
7.	14MCA107	Java Programming	4
8.	14MCA108	Computer Networks	4
9.	14MCA109	Software Engineering	4
10.	14MCA110	Web Technology through Java	4
11.	14MCA111	Data Warehousing and Data Mining	4
12.	14MCA112	Mobile Application Development using Android	4
13.	14MCA113	Big Data and Analytics	4
14.	14MCA114	Network Programming	4
15.	14MCA115	Software Testing	4
16.	14ENG104	English for Communication	4
17.	14MAT105	Discrete Mathematics	4
18.	14HUM403	Accounting and Financial Management	4
19.	14MAT106	Optimization Techniques	4

Sl. No	Practical Courses		Credits
1.	14MCA201	Programming to Python Practical	2
2.	14MCA202	Office Automation Practical	2
3.	14ENG201	Communication Skills Practical	2
4.	14MCA203	Database Management Systems Practical	2
5.	14MCA204	Unix and Shell Programming Practical	2
6.	14MCA205	Data Structures using C++ Practical	2
7.	14MCA206	Unified Modeling Language Practical	2
8.	14MCA207	Java Programming Practical	2
9.	14MCA208	Networks Practical	2
10.	14MCA209	Web Technology through JAVA Practical	2
11.	14MCA210	Data Warehousing and Data Mining Practical	2
12.	14MCA211	Mobile Application Development using Android Practical	2
13.	14MCA212	Big Data and Analytics Practical	2
14.	14MCA213	Network Programming Practical through C++.	2

List of Discipline Electives

Discipline Elective – I			
Sl. No.	Course Code	Course Name	Credits
1.	14MCA401	Cloud Infrastructure and Services	04
2.	14MCA402	Information Retrieval System	
3.	14MBA438	Enterprise Resource Planning	

Discipline Elective – II			
Sl. No.	Course Code	Course Name	Credits
1.	14MCA403	User Interface Design	04
2.	14MCA404	Multimedia Systems	
3.	14MCA405	Information Security	

List of Discipline Elective – II Practical

Sl. No.	Course Code	Course Name	Credits
1.	14MCA701	User Interface Design Practical	02
2.	14MCA702	Multimedia Systems Practical	
3.	14MCA703	Information Security Practical	

List of Open Electives (CBCS)
(All Courses Carry Equal Marks (100) & Credits (4))
Refer UG Regulations Clause: 6.6

Sl. No.	Course Code	Course Name	Offered by the Dept of	Prerequisite Course Code / None
1.	14MBA439	Management of Software Project	Management Studies	None
2.	14MBA432	Enterprise Systems & IT strategy	Management Studies	None
3.	14MBA440	Corporate Information Management	Management Studies	None
4.	14MBA435	E-Business	Management Studies	None

List of Audit Courses
(No Credits & End Exam – Only Internal Evaluation)
Refer UG Regulations Clause: 6.4

Audit Course - I				
Sl. No.	Course Code	Course Name	Offered by the Dept. of	Prerequisite Course Code / None
1.	14ENG301	Effective Public Speaking	English	None
2.	14ENG302	Creative Writing	English	None
3.	14HUM301	Entrepreneurship Development	Humanities	None
4.	14HUM302	Introduction to Intellectual Property Rights	Humanities	None
5.	14CSE301	Data Analysis Using R	CSE	None

Audit Course - II				
Sl. No.	Course Code	Course Name	Offered by the Dept. of	Prerequisite Course Code / None
1.	14ENG303	Phonetics and Spoken English	English	None
2.	14ENG304	Introductory Psychology	English	None
3.	14CSE302	Ethical Hacking	CSE	None
4.	14MBA301	Business Ethics and Corporate Governance	Management Studies	None
5.	14HUM303	National Service Scheme (NSS)	Humanities	None