CURRICULUM

Year	First Semester			Second Semester		
	Course Code	**Course Name**	**Credits**	**Course Code**	**Course Name**	**Credits**
I	14DMCA101	Advanced Database Management Systems	4	14DMCA105	Software Engineering	4
	14DMCA102	Design and Analysis of Algorithms	4	14DMCA106	Web Programming through PHP	4
	14DMCA103	Computer Networks	4	14DMCA107	Operating Systems	4
	14HUM403	Accountancy and Financial Management	4	14DMCA108	Network Security Essentials Applications and Standards	4
	14DMCA104	Programming to Python	4	14DMCA109	**Computer Organization**	4
	14DMCA201	Design and Analysis of Algorithms Practical	2	14DMCA204	Web Programming through PHP Practical	2
	14DMCA202	Advance Database Management Systems Practical	2	14DMCA205	Operating Systems Practical	2
	14DMCA203	Programming to Python Practical	2	14DMCA206	**Network Security Practical**	2
		Total	**26**		**Total**	**26**

Year	First Semester			Second Semester		
	Course Code	**Course Name**	**Credits**	**Course Code**	**Course Name**	**Credits**
II	14DMCA110	Data Warehousing and Mining	4	14DMCA114	Big Data and Analytics	4
	14DMCA111	Mobile Application Development using Android	4		**Open Elective**	4
	14DMCA112	Information Retrieval System	4	14DMCA501	Seminar -I	2
	14DMCA113	Object Oriented Analysis and Design (using UML)	4	14DMCA601	Project Work	19
		Discipline Elective	4		**Audit Course - II**	
	14DMCA207	Unified Modeling Language Practical	2			
	14DMCA208	Data Warehousing and Mining Practical	2			
	14DMCA209	Mobile Application Development Practical using Android	2			
		Audit Course -I	-			
		Total	**26**		**Total**	**29**

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

Sl. No.	Course Code	Course Name	Credits
		Theory Course	
1.	14DMCA101	Advanced Database Management Systems	4
2.	14DMCA102	Design and Analysis of Algorithms	4
3.	14DMCA103	Computer Networks	4
4.	14DMCA104	Programming to Python	4
5.	14DMCA105	Software Engineering	4
6.	14DMCA106	Web Programming through PHP	4
7.	14DMCA107	Operating Systems	4
8.	14DMCA108	Network Security Essentials Applications and Standards	4
9.	14DMCA109	Computer Organization	4
10.	14DMCA110	Data Warehousing and Mining	4
11.	14DMCA111	Mobile Application Development using Android	4
12.	14DMCA112	Information Retrieval System	4
13.	14DMCA113	Object Oriented Analysis and Design (using UML)	4
14.	14DMCA114	Big Data and Analytics	4
15.	14HUM403	Accountancy and Financial Management	4
		Total	**60**
		Practical Courses	
1	14DMCA201	Design and Analysis of Algorithms Practical	2
2	14DMCA202	Advance Database Management Systems Practical	2
3	14DMCA203	Programming to Python Practical	2
4	14DMCA204	Web Programming Through PHP Practical	2
5	14DMCA205	Operating Systems Practical	2
6	14DMCA206	Network Security Practical	2
7	14DMCA207	Unified Modeling Language Practical	2
8	14DMCA208	Data Warehousing and Mining Practical	2
9	14DMCA209	Mobile Application Development Practical using Android	2
		Total	**18**

List of Discipline Electives

Sl. No.	Course Code	Course Name	Credit
1.	14DMCA401	Cloud Infrastructure Services	
2.	14DMCA402	Decision Support Services	04
3.	14DMCA403	Image Processing	
		Total	**04**

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.	14MBA432	Enterprise Systems & IT strategy	Management Studies	None
2.	14MBA435	E-Business	Management Studies	None
3.	14MBA439	Management of Software Project	Management Studies	None
4.	14MBA440	Corporate Information Management	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	Area	Prerequisite Course Code / None
1.	14ENG301	Effective Public Speaking	English	None
2.	14ENG302	Creative Writing	English	None
3.	14HUM301	Entrepreneurship Development	Enterprise	None
4.	14HUM302	Introduction to Intellectual Property Rights	Research	None
5.	14CSE301	Data Analysis Using R	Computers	None

Audit Course -II

1.	14ENG303	Phonetics and Spoken English	English	None
2.	14ENG304	Introductory Psychology	English	None
3.	14CSE302	Ethical Hacking	Computers	None
4.	14MBA301	Business Ethics and Corporate Governance	Enterprise	None
5.	14HUM303	National Service Scheme (NSS)	Humanities	None