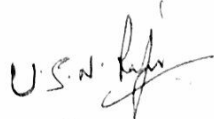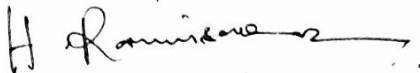23-11-2014

COURSE STRUCTURE

Master of Computer Applications

..I.. Year   ..I..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA101	C Programming and Data Structures	5	-	-	4	40	60	100
2.	MCA102	Digital Logic and Computer Organization	5	-	-	4	40	60	100
3.	MCA103	Discrete Mathematical Structures and Graph Theory	5	-	-	4	40	60	100
4.	MCA104	Probability and Statistical Applications	5	-	-	4	40	60	100
5.	MCA105	Accounting and Financial Management	5	-	-	4	40	60	100
6.	MCA106	English Language Communication Skills Lab	-	3	-	2	50	50	100
7.	MCA107	C Programming and Data Structures Lab	-	3	-	2	50	50	100
8.	MCA108	Digital Logic and Computer Organization Lab		3	-	2	50	50	100
		Total	25	9		26	350	450	800

T- THEORY   P – PRACTICAL   D- DRAWING   C – CREDITS   Int. – INTERNAL   Ext. - EXTERNAL

COURSE STRUCTURE

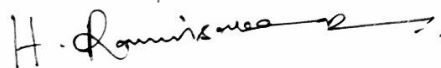# Master of Computer Applications

..I.. Year   ..II..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA201	Object Oriented Programming with C++	5	-	-	4	40	60	100
2.	MCA202	UNIX & Network Programming	5	-	-	4	40	60	100
3.	MCA203	Operating Systems	5	-	-	4	40	60	100
4.	MCA204	Computer Networks	5	-	-	4	40	60	100
5.	MCA205	File Structure	5	-	-	4	40	60	100
6.	MCA206	Object Oriented Programming using C++ Lab	-	3	-	2	50	50	100
7.	MCA207	UNIX & Network Programming Lab	-	3	-	2	50	50	100
		Total	25	6		24	300	400	700

T- THEORY   P – PRACTICAL   D- DRAWING   C – CREDITS   Int. – INTERNAL   Ext. - EXTERNAL

COURSE STRUCTURE

Master of Computer Applications

..II.. Year   ..III..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA301	Java Programming	5	-	-	4	40	60	100
2.	MCA302	Data Base Management Systems	5	-	-	4	40	60	100
3.	MCA303	Intellectual Property Rights & Professional Ethics	5	-	-	4	40	60	100
4.	MCA304	Computer Graphics & Vision	5	-	-	4	40	60	100
5.	MCA305	Design & Analysis of Algorithms	5	-	-	4	40	60	100
6.	MCA306	Java Programming Lab	-	3	-	2	50	50	100
7.	MCA307	Data Base Management Systems Lab	-	3	-	2	50	50	100
		Total	25	6		24	300	400	700

T- THEORY   P – PRACTICAL   D- DRAWING   C –CREDITS   Int. – INTERNAL   Ext. - EXTERNAL

COURSE STRUCTURE

Master of Computer Applications

..II.. Year   ..IV..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA401	Web Technologies	5	-	-	4	40	60	100
2.	MCA402	Software Engineering	5	-	-	4	40	60	100
3.	MCA403	Data Warehousing & Data Mining	5	-	-	4	40	60	100
4.		Elective - 1	5	-	-	4	40	60	100
5.		Elective - 2	5	-	-	4	40	60	100
6.	MCA410	Data Warehousing & Data Mining Lab	-	3	-	2	50	50	100
7.	MCA411	Web Technologies Lab	-	3	-	2	50	50	100
8.	MCA412	Mini Project		2		2	50		50
		TOTAL	25	8		26	350	400	750

T- THEORY   P – PRACTICAL   D- DRAWING   C – CREDITS   Int. – INTERNAL   Ext. - EXTERNAL

LIST OF ELECTIVES

Department Elective 1:

    a) Human Computer Interaction (MCA404)

    b) Cloud Computing (MCA405)

    c) ERP & Supply Chain Management (MCA406)

Department Elective 2:

    a) Information Storage & Management (MCA407)

    b) Artificial Intelligence & Neural Networks (MCA408)

    c) Software Testing Methodologies (MCA409)

COURSE STRUCTURE

Master of Computer Applications

..III.. Year   ..V..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA501	Cryptography & Network Security	5	-	-	4	40	60	100
2.	MCA502	OOAD through UML	5	-	-	4	40	60	100
3.	MCA503	Visual Programming	5	-	-	4	40	60	100
4.		Elective - 3	5	-	-	4	40	60	100
5.		Elective - 4	5	-	-	4	40	60	100
6.	MCA510	OOAD through UML Lab	-	3	-	2	50	50	100
7.	MCA511	Visual Programming Lab	-	3	-	2	50	50	100
		Total	25	6		24	300	400	700

T- THEORY   P – PRACTICAL   D- DRAWING   C – CREDITS   Int. – INTERNAL   Ext. - EXTERNAL

LIST OF ELECTIVES

Department Elective 3:

    a) E-Commerce (MCA504)

    b) Software Design Methodologies (MCA505)

    c) Design Patterns (MCA506)

Department Elective 4:

    a) Mobile Application Development (MCA507)

    b) Software Project Management (MCA508)

    c) Data Sciences (MCA509)

COURSE STRUCTURE

Master of Computer Applications

..III.. Year   ..VI..Semester

S. No.	Subject Code	Subject Title	Periods per week			C	Scheme of Examination Maximum Marks		
			T	P	D		Int.	Ext.	Total
1.	MCA601	Seminar	2	-	-	2	50	-	50
2.	MCA602	Dissertation / Thesis /VivaVoce	-	8	-	10	-	150	150
		Total	2	8		12	50	150	200

T- THEORY   P – PRACTICAL   D- DRAWING   C – CREDITS   Int. – INTERNAL   Ext. – EXTERNAL