

**FOURTH SEMESTER MBA TEACHING SCHEME**

S. No.	Course Type	Paper Code	Paper Title	No of Sessions		Credits	Internal / Minimum Marks	External/ Minimum Marks	Total
				Per Semester	Per Week				
<b>Theory Courses : Dual Specialization is proposed: Six Subjects (Three from each group) The student will get specialized in two Majors.</b>									
1	PEC1			24	2	3	30/12	70/28	100
2	PEC2			24	2	3	30/12	70/28	100
3	PEC3			24	2	3	30/12	70/28	100
4	PEC4			24	2	3	30/12	70/28	100
5	PEC5			24	2	3	30/12	70/28	100
6	PEC6			24	2	3	30/12	70/28	100
7	MCC		Audit Course	12	1	0	30	70	100*
8	PEC	M-417	Major Lab (Functional Area I)	24	2	1.5	60/30	40/20	100
9	PEC	M-418	Major Lab (Functional Area II)	24	2	1.5	60/30	40/20	100
10	REW	M-419	Project Work	48	4	3			100
11	SODECA		Social Outreach, Discipline & Extra Curriculum Activities	-				100/40	100
<b>Total for IV Semester</b>				<b>252</b>	<b>21</b>	<b>24</b>	<b>330</b>	<b>670</b>	<b>1000</b>

\*Note: Marks of audit course will not be considered for credit purpose

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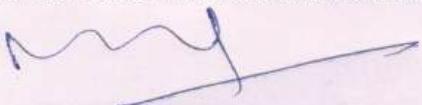
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**THIRD SEMESTER MBA TEACHING SCHEME**

S. No.	Course Type	Paper Code	Paper Title	No of Sessions		Credits	Intern I/ Minimu m Marks	Extern I/ Minimu m Marks	Total
				Per Semester	Per Week				
Theory Courses : Dual Specialization is proposed: Six Subjects (Three from each group) The student will get specialized in two Majors.									
1	PEC1			24	2	3	30/12	70/28	100
2	PEC2			24	2	3	30/12	70/28	100
3	PEC3			24	2	3	30/12	70/28	100
4	PEC1			24	2	3	30/12	70/28	100
5	PEC2			24	2	3	30/12	70/28	100
6	PEC3			24	2	3	30/12	70/28	100
7	MCC		Audit Course	12	1	0	30	70	100*
8	REW	M-316	Summer Training Project Report	48	4	3	120/60	80/40	200
9	PEC1	M-317	Major Lab (Functional Area I)	24	2	1	60/30	40/20	100
10	PEC2	M-318	Major Lab (Functional Area II)	24	2	1	60/30	40/20	100
11	PCC3	M-319	Managerial Skills Development Lab	24	2	1	60/30	40/20	100
12	SODECA		Social Outreach, Discipline & Extra Curriculum Activities	-			-	100/40	100
<b>Total for III Semester</b>				<b>276</b>	<b>23</b>	<b>24</b>	<b>510</b>	<b>790</b>	<b>1200</b>

\*Note: Marks of audit course will not be considered for credit purpose

  
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2. IV-Semester (Second Year)

S No	Category	Credit
1	Theory	06
2	Practical	06
3	SODECA	02
<b>Total</b>		<b>14</b>

MCA Year 2 - Semester IV								
Theory								
S. No.	CourseCode	Course Title	Hours		Marks			Credits
			L	P	IA	ETE	Total	
1	MCA-401	Software Project Management	3		30	70	100	3
2	MCA-402	Elective 2	3		30	70	100	3
Practical								
3	MCA-451	Industrial Project		12	30	70	100	06
4		SODECA						02
<b>Total</b>					<b>90</b>	<b>210</b>	<b>300</b>	<b>14</b>

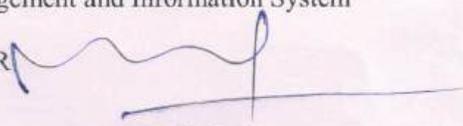
L= Lecture, P = Practical, IA = Internal Assessment, ETE = End Term Exam

**Note:** The industrial project is part of the curriculum will be held in the institute as one of the laboratories. This may be in continuations to the project under taken by the student during industrial training and/or of industrial nature and/or have good industrial significance and/or may be done in collaboration with industry (as per suitability at the institute level).

The evaluation will be done in the institute by one internal examiner and one external examiner (from outside the institute) appointed by RTU.

**Elective 2:**

- Principles of Management and Information System
- Machine Learning
- Data Science with R

  
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**MCA (Master of Computer Applications)**

**MCA SYALLABUS YEAR-II SESSION 2021-22  
YEAR-II**

**1. III-Semester (Second Year)**

S No	Category	Credit
1	Theory	18
2	Practical	03
3	SODECA	02
<b>Total</b>		<b>23</b>

III-Semester (Second Year) MCA Year 2 - Semester III								
Theory								
S. No.	Course Code	Course Title	Hours		Marks			Credits
			L	P	IA	ETE	Total	
1	MCA-301	Cloud Computing	3		30	70	100	3
2	MCA-302	Analysis and Design of Algorithm	3		30	70	100	3
3	MCA-303	Artificial Intelligence	3		30	70	100	3
4	MCA-304	Information Security	3		30	70	100	3
5	MCA-305	Mobile Application Development	3		30	70	100	3
6	MCA-306	Elective 1	3		30	70	100	3
Practical								
1	MCA-351	ADA Lab		2	30	70	100	01
2	MCA-352	Mobile Application Development Lab		2	30	70	100	01
3	MCA-353	Summer Industrial Training Presentation		2	30	70	100	01
4		SODECA						02
<b>Total</b>					<b>270</b>	<b>630</b>	<b>900</b>	<b>23</b>

L= Lecture, P = Practical, IA = Internal Assessment, ETE = End Term Exam

**Elective -I:**

- Data Mining and Warehousing
- Big Data Technologies
- Soft Computing

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