Rajiv Gandhi ProudyogikiVishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

III Semester Bachelor of Technology (B.Tech.) [CSE-Artificial Intelligence and Machine Learning/ Artificial Intelligence and Machine Learning]

For batches admitted in July,2020 (w.e.f. July, 2021)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	AL301	HSMC-3	Technical Communication	70	20	10	-	-	100	3	1	-	4
2.	AL302	DC-1	Introduction to Probability and Statistics	70	20	10	-	-	100	3	1	-	4
3.	AL303	DC-2	Data Structures	70	20	10	30	20	150	3	-	2	4
4.	AL304	DC-3	Artificial Intelligence	70	20	10	30	20	150	3	-	2	4
5.	AL305	DC-4	Object Oriented Programming & Methodology	70	20	10	30	20	150	3	-	2	4
6.	AL306	DLC-3	Computer Workshop/ Introduction to python - I	-	-	-	30	20	50	-	-	4	2
7.	BT107	DLC-1	Evaluation of Internship-I completed at I year level	-	-	-	-	50	50			4	2
8.	BT307	DLC-4	Internship-II : 90 hrs Internship based on using various softwares	To be completed anytime during Third/ fourth semester. Its evaluation/credit to be added in fifth semester.									
			Total	350	100	50	120	130	750	15	2	14	24
9.	BT308	MC	Indian Constitution	Non-credit course									
NC301		NSS/NCC											

*Students can earn additional credits from the University recognized MOOC courses.

1HrLecture	1 HrTutorial	2 HrPractical
1Credit	**1Credit**	**1Credit**

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester Bachelor of Technology (B.Tech.) [CSE-Artificial Intelligence and Machine Learning/ Artificial Intelligence and Machine Learning]

For batches admitted in July, 2020 (w.e.f. Jan, 2022)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work / Lab Work & Sessional		L	T	P	
1.	AL401	BSC	Introduction to Discrete Structure & Linear Algebra	70	20	10	-	-	100	3	1	-	4
2.	AL402	DC	Analysis & Design of Algorithms	70	20	10	30	20	150	4	0	2	5
3.	AL403	DC	Software Engineering	70	20	10	30	20	150	4	0	2	5
4.	AL404	DC	Computer Organization & Architecture	70	20	10	30	20	150	3	0	2	4
5.	AL405	DC	Machine Learning	70	20	10	30	20	150	3	0	2	4
6.	AL406	DLC*	Java Lab	-	-	-	30	20	50	-	-	4	2
7.	BT407	DLC	Internship II: 90 hrs Internship based on using various softwares	To be completed anytime during fourth semester. Its evaluation/credit to be added in fifth semester.									3
			Total	350	100	50	150	100	750	17	1	12	24
8.	BT408	MC	Cyber Security	Audit course									
9	BT409I	MC	Indian Knowledge System	Audit course									
	NC001		NSS/NCC										

***A minimum of 2 hours per week should be allotted for the Virtual Lab along with the slot fixed for the conventional lab classes.**

MST: Minimum of two mid semester tests to be conducted.

*Students can earn additional credits from the University recognized MOOC courses.

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

V Semester Bachelor of Technology (B.Tech) [Artificial Intelligence & Data Science]

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	AD-501	DC	Theory of Computation	70	20	10	30	20	150	3	-	2	4
2.	AD-502	DC	Machine Learning	70	20	10	30	20	150	3	-	2	4
3.	AD-503	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
4.	AD-504	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
5.	AD-505	D Lab	Departmental Elective Lab	-	-	-	30	20	50	-	-	4	2
6.	AD-506	Lab	Linux Lab	-	-	-	30	20	50	-	-	4	2
7.	BT-407	IN	Evaluation of Internship-II	-	-	-	-	100	100	-	-	6	3
8.		IN	Internship – III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	AD-508	P	Minor Project- I	-	-	-	-	50	50			4	2
10.	Additional Credits[#]		*[#]Additional credits can be earned through successful completion of credit based MOOCs Courses available on SWAYAM platform (MHRD) at respective UG level.*										
			Total	280	80	40	120	230	750	12	1	22	24

Departmental Electives	Open Electives
AD-503 (A) Internet and Web Technology	AD-504 (A) Management Information System
AD-503 (B) Computer Graphics & Multimedia	AD-504 (B) Game Theory with Engineering Applications
AD-503 (C)Computer Organization & Architecture	AD-504 (C) Operations Research

1 Hr Lecture 1 Hr Tutorial 2 Hr Practical

1 Credit**1 Credit1 Credit**

Rajiv Gandhi ProudyogikiVishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

VI Semester Bachelor of Technology (B.Tech.) Artificial Intelligence and Data Science

(w.e.f. Jan, 2023)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	AD 601	DC	Deep Learning	70	20	10	30	20	150	2	1	2	4
2.	AD 602	DC	Computer Networks	70	20	10	30	20	150	2	1	2	4
3.	AD 603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	AD 604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	AD 605	D Lab	Departmental ElectiveLab	-	-	-	30	20	50	-	-	6	3
6.	AD 606	O/E Lab	Open Elective Lab	-	-	-	30	20	50	-	-	6	3
7.	AD 607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	AD 608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Elective	Open Electives
AD 603 (A)Data Mining & Warehousing	AD 604(A) Internet of Things
AD 603 (B) Digital Image Processing	AD 604(B) Block chain Technologies
AD 603 (C) Information Retrieval	AD 604 (C) Compiler Design

Open Electives can be offered to students of all branches **including AI&DS branch.** However, they can be offered to students of Non-AI&DS branches only if they have not taken any similar courses previously and have sufficient knowledge of pre-requisite courses (if any) of respective open electives subject.

1 Hr Lecture 1 Hr Tutorial 2 Hr Practical

1 Credit**1 Credit1 Credit**

.Rajiv Gandhi ProudyogikiVishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

VII Semester Bachelor of Technology (B.Tech.) Artificial Intelligence and Data Science *(w.e.f. July, 2023)*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work &Sessional		L	T	P	
1.	AD 701	DC	AI for Computer Vision	70	20	10	30	20	150	2	1	2	4
2.	AD 702	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
3.	AD 703	OE	Open Elective	70	20	10	-	-	100	3	0	0	3
4.	AD 704	D Lab	Departmental Elective Lab	-	--	-	30	20	50	-	-	6	3
5.	AD 705	O/E lab	Open Elective Lab	-	-	-	30	20	50	-	-	6	3
6.	AD 706	P	Major Project-I	-	-	-	100	50	150	-	-	8	4
7.	AD 607		Evaluation of Internship -III	-	-	-	-	100	100	-	-	6	3
8.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	210	60	30	190	210	700	8	2	28	24

Departmental Electives	Open Electives
702(A) Cloud Computing	703(A) Data Visualization
702(B) Business Intelligence	703(B) Mobile Application Development
702(C)Computational Intelligence	703(C) Advanced Statistical Analytics
702(D) Predictive Analytics	703(D)Social Media & Web Analytics

Open Electives can be offered to students of all branches **including AI&DS branch.** However, they can be offered to students of Non-AI&DS branches only if they have not taken any similar courses previously and have sufficient knowledge of pre-requisite courses (if any) of respective open electives subject.

1 Hr Lecture 1 Hr Tutorial 2 Hr Practical

1 Credit**1 Credit1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

I Semester (Group A) Bachelor of Technology (B.Tech.)

W.E.F. JULY 2018

GROUP A: (CS, IT, EE, EX, EI, FT, AT, MI, BT, & BM)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem.	Quiz/ Assignment	End Sem.	Lab work & Sessional		L	T	P	
Mandatory Induction Program (First three weeks)				Physical Activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations									
Fourth week onwards classes will start													
1.	**BT101**	BSC-1	**Engineering Chemistry**	70	20	10	30	20	150	3	-	2	4
2.	**BT102**	BSC-2	**Mathematics-I**	70	20	10	-	-	100	3	1	-	4
3.	**BT103**	HSMC-1	**English for Communication**	70	20	10	30	20	150	3	-	2	4
4.	**BT104**	ESC-1	**Basic Electrical & Electronics Engineering**	70	20	10	30	20	150	2	-	2	3
5.	**BT105**	ESC-2	**Engineering Graphics**	70	20	10	30	20	150	2	-	2	3
6.	**BT106**	ESC-3	**Manufacturing Practices**	-	-	-	15	10	25	-	-	2	1
7.	**BT107**	DLC-1	**Internship-I (60 Hrs Duration) at the Institute level**	**To be completed during or at the end of the second semester. Its evaluation/credit to be added in third semester.**									
8.	**BT108**	DLC-2	Swachh Bharat Summer Internship Unnat Bharat Abhiyan (100Hrs)/ Rural Outreach				15	10	25	-	-	4	2
			Total	**350**	**100**	**50**	**150**	**100**	**750**	**13**	**1**	**14**	**21**

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

II Semester (Group A) Bachelor of Technology (B.Tech.)

W.E.F. JULY 2018

GROUP A: (CS, IT, EE, EX, EI, FT, AT, MI, BT, & BM)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory Slot			Practical Slot						
				End Sem.	Mid Sem Exam.	Quiz/ Assignment	End Sem.	Lab work & Sessional		L	T	P	
1.	**BT201**	BSC-3	**Engineering Physics**	70	20	10	30	20	150	2	1	2	4
2.	**BT202**	BSC-4	**Mathematics-II**	70	20	10	-	-	100	3	1	-	4
3.	**BT203**	ESC-4	**Basic Mechanical Engineering**	70	20	10	30	20	150	3	-	2	4
4.	**BT204**	ESC-5	**Basic Civil Engineering & Mechanics**	70	20	10	30	20	150	3	-	2	4
5.	**BT205**	ESC-6	**Basic Computer Engineering**	70	20	10	30	20	150	3	-	2	4
6.	**BT206**	HSMC-2	**Language Lab & Seminars**	-	-	-	30	20	50	-	-	2	1
7.	**BT107**	DLC-1	**Internship-I (60 Hrs Duration) at the Institute level**	**To be completed during first/second semester. Its evaluation/credit to be added in third semester.**									
			Total	**350**	**100**	**50**	**150**	**100**	**750**	**14**	**2**	**10**	**21**

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

I Semester (Group B) Bachelor of Technology (B.Tech.)

W.E.F. JULY 2018

GROUP B: (AU, ME, IP, CE, IEM, TX, EC, & CM)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory Slot			Practical Slot						
				End Sem.	Mid Sem Exam.	Quiz/ Assignment	End Sem.	Lab work & Sessional		L	T	P	
Mandatory Induction Program (First three weeks)				Physical Activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations									
Fourth week onwards classes will start													
1.	**BT201**	BSC-3	**Engineering Physics**	70	20	10	30	20	150	2	1	2	4
2.	**BT102**	BSC-2	**Mathematics-I**	70	20	10	-	-	100	3	1	-	4
3.	**BT203**	ESC-4	**Basic Mechanical Engineering**	70	20	10	30	20	150	3	-	2	4
4.	**BT204**	ESC-5	**Basic Civil Engineering & Mechanics**	70	20	10	30	20	150	3	-	2	4
5.	**BT205**	ESC-6	**Basic Computer Engineering**	70	20	10	30	20	150	3	-	2	4
6.	**BT206**	HSMC-2	**Language Lab & Seminars**	-	-	-	30	20	50	-	-	2	1
7.	**BT107**	DLC-1	**Internship-I (60 Hrs Duration) at the Institute level**	**To be completed during first/second semester. Its evaluation/credit to be added in third semester.**									
			Total	**350**	**100**	**50**	**150**	**100**	**750**	**14**	**2**	**10**	**21**

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

II Semester (Group B) Bachelor of Technology (B.Tech.)

W.E.F. JULY 2018

GROUP B: (AU, ME, IP, CE, IEM, TX, EC, & CM)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem.	Quiz/ Assignment	End Sem.	Lab work & Sessional		L	T	P	
1.	**BT101**	BSC-1	**Engineering Chemistry**	70	20	10	30	20	150	3	-	2	4
2.	**BT202**	BSC-4	**Mathematics-II**	70	20	10	-	-	100	3	1	-	4
3.	**BT103**	HSMC-1	**English for Communication**	70	20	10	30	20	150	3	-	2	4
4.	**BT104**	ESC-1	**Basic Electrical & Electronics Engineering**	70	20	10	30	20	150	2	-	2	3
5.	**BT105**	ESC-2	**Engineering Graphics**	70	20	10	30	20	150	2	-	2	3
6.	**BT106**	ESC-3	**Manufacturing Practices**	-	-	-	15	10	25	-	-	2	1
7.	**BT107**	DLC-1	**Internship-I (60 Hrs Duration) at the Institute level**	**To be completed during or at the end of the second semester. Its evaluation/credit to be added in third semester.**									
8.	**BT108**	DLC-2	Swachh Bharat Summer Internship Unnat Bharat Abhiyan (100Hrs)/ Rural Outreach				**15**	**10**	**25**	**-**	**-**	**4**	**2**
			Total	**350**	**100**	**50**	**150**	**100**	**750**	**13**	**1**	**14**	**21**

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

III Semester Bachelor of Technology (B.Tech.) [Civil Engineering]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	BT301	BSC-5	Mathematics-III	70	20	10	-	-	100	3	1	-	4
2.	CE302	DC-1	Construction Materials	70	20	10	-	-	100	3	1	-	4
3.	CE303	DC-2	Surveying	70	20	10	30	20	150	3	-	2	4
4.	CE304	DC-3	Building Planning & Architecture	70	20	10	30	20	150	3	-	2	4
5.	CE305	DC-4	Strength of Materials	70	20	10	30	20	150	3	-	2	4
6.	CE306	DLC-3	Study of Historical & Ancient Civil Engineering Practices	-	-	-	30	20	50	-	-	4	2
7.	BT107	DLC-1	Evaluation of Internship-I completed at I year level	-	-	-	-	50	50			4	2
8.	BT307	DLC-4	90 hrs Internship based on using various softwares –Internship -II	To be completed anytime during Third/ Fourth semester. Its evaluation/credit to be added in fifth semester.									
			Total	350	100	50	120	130	750	15	2	14	24
		NSS/NCC											

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester Bachelor of Technology (B.Tech.) [Civil Engineering]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work / Lab Work & Sessional		L	T	P	
1.	**ES401**	BSC	**Energy & Environmental Engineering**	70	20	10	-	-	100	3	1	-	4
2.	**CE402**	DC	**Construction Technology**	70	20	10	30	20	150	2	1	2	4
3.	**CE403**	DC	**Structural Analysis-I**	70	20	10	30	20	150	3	1	2	5
4.	**CE404**	DC	**Transportation Engineering-I**	70	20	10	30	20	150	3	1	2	5
5.	**CE405**	DC	**Engineering Geology & Remote Sensing**	70	20	10	30	20	150	3	0	2	4
6.	**CE406**	DLC*	**Software Lab**	-	-	-	30	20	50	-	-	4	2
7.	**BT407**	DLC	**90 hrs Internship based on using various software's –Internship -II**	**To be completed anytime during fourth semester. Its evaluation/credit to be added in fifth semester.**									**3**
			Total	**350**	**100**	**50**	**150**	**100**	**750**	**14**	**4**	**12**	**24**
8.	**BT408**	MC	Cyber Security	**Non-credit course**									
			NSS/NCC										

***A minimum of 2hours per week should be allotted for the Virtual Lab along with the slot fixed for the conventional lab classes.**

MST: Minimum of two mid semester tests to be conducted.

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

V Semester **Bachelor of Technology (B.Tech) Civil Engineering** ***(w.e.f. July, 2019)***

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	CE-501	DC	Fluid Mechanics I	70	20	10	30	20	150	2	1	2	4
2.	CE-502	DC	Transportation Engg II	70	20	10	30	20	150	2	1	2	4
3.	CE-503	DE	Departmental Elective	70	20	10	-	-	100	4	-	-	4
4.	CE-504	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
5.	CE-505	D Lab	Quantity surveying & Costing	-	-	-	30	20	50	-	-	4	2
6.	CE-506	O/E Lab	Material Testing Lab	-	-	-	30	20	50	-	-	4	2
7.	CE-507	IN	Evaluation of Internship-II	-	-	-	-	100	100	-	-	6	3
8.		IN	Internship –III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	CE-508	P	Field Visit, Case Study and Seminar	-	-	-	-	50	50			4	2
10.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	230	750	11	2	22	24

Departmental Electives	Open Electives
CE503 (A) Structural Analysis-II	CE504 (A) Urban and town planning
CE503 (B) Construction planning and management	CE504 (B) Remote Sensing and GIS
CE503 (C) Quantity surveying & Costing	CE504 (C) Renewable energy resources
CE503 (D) Marine Construction	CE504 (D) Entrepreneurship development and management

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

VI Semester Bachelor of Technology (B.Tech.) Civil Engineering *(w.e.f. Jan, 2020)*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	CE601	DC	Structural Design and Drawing (RCC-I)	70	20	10	30	20	150	2	1	2	4
2.	CE 602	DC	Environmental Engineering I	70	20	10	30	20	150	2	1	2	4
3.	CE 603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	CE 604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	CE 605	D Lab	Advance surveying lab	-	-	-	30	20	50	-	-	6	3
6.	CE 606	O/E Lab	Non Destructive Testing Lab	-	-	-	30	20	50	-	-	6	3
7.	CE 607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	CE 608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
603 (A) Water resources engineering	604(A) Fluid Mechanics II
603 (B) Precast and modular construction	604(B) Intellectual Property rights(IPR)
603(C) Advance pavement design	604(C) Environmental Impact Assessment
603(D) Cost effective and Eco-friendly structures	604(D) Operation Research

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

III Semester Bachelor of Technology (B.Tech.) [Computer Science and Engineering/ Computer Engineering/Computer Science & Technology]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	ES301	HSMC-3	Energy & Environmental Engineering	70	20	10	-	-	100	3	1	-	4
2.	CS302	DC-1	Discrete Structure	70	20	10	-	-	100	3	1	-	4
3.	CS303	DC-2	Data Structure	70	20	10	30	20	150	3	-	2	4
4.	CS304	DC-3	Digital Systems	70	20	10	30	20	150	3	-	2	4
5.	CS305	DC-4	Object Oriented Programming & Methodology	70	20	10	30	20	150	3	-	2	4
6.	CS306	DLC-3	Computer Workshop	-	-	-	30	20	50	-	-	4	2
7.	BT107	DLC-1	Evaluation of Internship-I completed at I year level	-	-	-	-	50	50			4	2
8.	BT307	DLC-4	90 hrs Internship based on using various softwares –Internship -II	To be completed anytime during Third/ fourth semester. Its evaluation/credit to be added in fifth semester.									
			Total	350	100	50	120	130	750	15	2	14	24
		NSS/NCC											

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester Bachelor of Technology (B.Tech.) [Computer Science and Engineering/ Computer Engineering/Computer Science & Technology]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work / Lab Work & Sessional		L	T	P	
1.	**BT401**	BSC	**Mathematics- III**	70	20	10	-	-	100	3	1	-	4
2.	**CS402**	DC	**Analysis Design of Algorithm**	70	20	10	30	20	150	2	1	2	4
3.	**CS403**	DC	**Software Engineering**	70	20	10	30	20	150	3	1	2	5
4.	**CS404**	DC	**Computer Org. & Architecture**	70	20	10	30	20	150	3	1	2	5
5.	**CS405**	DC	**Operating Systems**	70	20	10	30	20	150	3	0	2	4
6.	**CS406**	DLC*	**Programming Practices**	-	-	-	30	20	50	-	-	4	2
7.	**BT407**	DLC	**90 hrs Internship based on using various software's –Internship -II**	**To be completed anytime during fourth semester. Its evaluation/credit to be added in fifth semester.**									**3**
			Total	**350**	**100**	**50**	**150**	**100**	**750**	**14**	**4**	**12**	**24**
8.	**BT408**	MC	Cyber Security	**Non-credit course**									
			NSS/NCC										

***A minimum of 2hours per week should be allotted for the Virtual Lab along with the slot fixed for the conventional lab classes.**

MST: Minimum of two mid semester tests to be conducted.

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

V Semester Bachelor of Technology (B.Tech) Computer Science and Engineering/ Computer Engineering/Computer Science & Technology]

(w.e.f. July, 2019)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	CS-501	DC	Theory of Computation	70	20	10	30	20	150	3	-	2	4
2.	CS-502	DC	Database Management Systems	70	20	10	30	20	150	3	-	2	4
3.	CS -503	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
4.	CS -504	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
5.	CS -505	D Lab	Lab (Linux)	-	-	-	30	20	50	-	-	4	2
6.	CS -506	O/E Lab	Lab (Python)	-	-	-	30	20	50	-	-	4	2
7.	CS -507	IN	Evaluation of Internship-II	-	-	-	-	100	100	-	-	6	3
8.		IN	Internship - III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	CS -508	P	Minor Project- I	-	-	-	-	50	50			4	2
10.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	230	750	12	1	22	24

Departmental Electives	Open Electives
CS 503 (A) Data Analytics	CS 504 (A) Internet and Web Technology *
CS 503 (B) Pattern Recognition	CS 504 (B) Object Oriented Programming **
CS 503 (C) Cyber Security	CS 504 (C) Introduction to Database Management Systems**

* Can be offered to students of all branches including CSE

** Can be offered to students of all branches except CSE and IT

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

VI Semester Bachelor of Technology (B.Tech.) Computer Science and Engineering/ Computer Engineering/Computer Science & Technology] *(w.e.f. Jan, 2020)*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	CS601	DC	Machine Learning	70	20	10	30	20	150	2	1	2	4
2.	CS602	DC	Computer Networks	70	20	10	30	20	150	2	1	2	4
3.	CS603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	CS604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	CS605	D Lab	Data Analytics Lab	-	-	-	30	20	50	-	-	6	3
6.	CS606	O/E Lab	Skill Development Lab	-	-	-	30	20	50	-	-	6	3
7.	CS607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	CS608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits#	*#Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
603 (A) Advanced Computer Architecture	604(A) Knowledge Management
603 (B) Computer Graphics & Visualization	604(B) Project Management
603 (C) Compiler Design	604 (C) Rural Technology & Community Development

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

III Semester Bachelor of Technology (B.Tech.) [Electronics & Communication Engineering]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	BT301	BSC-5	Mathematics-III	70	20	10	-	-	100	3	1	-	4
2.	EC302	DC-1	Electronic Measurement & Instrumentation	70	20	10	-	-	100	3	1	-	4
3.	EC303	DC-2	Digital System Design	70	20	10	30	20	150	3	-	2	4
4.	EC304	DC-3	Electronic Devices	70	20	10	30	20	150	3	-	2	4
5.	EC305	DC-4	Network Analysis	70	20	10	30	20	150	3	-	2	4
6.	EC306	DLC-3	EMI Lab	-	-	-	30	20	50	-	-	4	2
7.	BT107	DLC-1	Evaluation of Internship-I completed at I year level	-	-	-	-	50	50			4	2
8.	BT307	DLC-4	90 hrs Internship based on using various software's –Internship -II	To be completed anytime during Third/ fourth semester. Its evaluation/credit to be added in fifth semester.									
			Total	350	100	50	120	130	750	15	2	14	24
			NSS/NCC										

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester Bachelor of Technology (B.Tech.) [Electronics & Communication Engineering]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work / Lab Work & Sessional		L	T	P	
1.	**ES401**	BSC	**Energy & Environmental Engineering**	70	20	10	-	-	100	3	1	-	4
2.	**EC402**	DC	**Signals & Systems**	70	20	10	30	20	150	2	1	2	4
3.	**EC403**	DC	**Analog Communication**	70	20	10	30	20	150	3	1	2	5
4.	**EC404**	DC	**Control System**	70	20	10	30	20	150	3	1	2	5
5.	**EC405**	DC	**Analog Circuits**	70	20	10	30	20	150	3	0	2	4
6.	**EC406**	DLC*	**Simulation Lab**	-	-	-	30	20	50	-	-	4	2
7.	**BT407**	DLC	**90 hrs Internship based on using various software's –Internship -II**	**To be completed anytime during fourth semester. Its evaluation/credit to be added in fifth semester.**									**3**
			Total	**350**	**100**	**50**	**150**	**100**	**750**	**14**	**4**	**12**	**24**
8.	**BT408**	MC	Cyber Security	**Non-credit course**									
			NSS/NCC										

***A minimum of 2hours per week should be allotted for the Virtual Lab along with the slot fixed for the conventional lab classes.**

MST: Minimum of two mid semester tests to be conducted.

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

V Semester Bachelor of Technology (B.Tech.) Electronics & Communication Engg. *(w.e.f. July, 2019)*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	EC 501	DC	Microprocessor & its Application	70	20	10	30	20	150	2	1	2	4
2.	EC 502	DC	Digital Communication	70	20	10	30	20	150	2	1	2	4
3.	EC 503	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	EC 504	OE	Open Elective	70	20	10	-	-	100	3	-	0	3
5.	EC 505	D Lab	CNTL Lab	-	-	-	30	20	50	-	-	4	2
6.	EC 506	O/E Lab	Matlab Programming	-	-	-	30	20	50	-	-	4	2
7.	EC-507	IN	Evaluation of Internship-II	-	-	-	-	100	100	-	-	6	3
8.		IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	EC 508	P	Minor Project 1	-	-	-	-	50	50	-	-	4	2
10.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	230	750	11	2	22	24

Departmental Electives	Open Electives
EC 503 (A) CNTl	EC 504 (A) EMT (Electro Magnetic (Theory)
EC 503 (B) Mobile Communication	EC 504 (B) Computer System Organisation
EC 503 (C) Advanced Control system	EC 504 (C) Process Control Instrumentation

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

VI Semester Bachelor of Technology (B.Tech.) Electronics & Communication Engg. *(w.e.f. Jan, 2020)*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	EC601	DC	Digital Signal Processing	70	20	10	30	20	150	2	1	2	4
2.	EC602	DC	Antenna & Wave propagation	70	20	10	30	20	150	2	1	2	4
3.	EC603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	EC604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	EC605	D Lab	Data Communication Lab	-	-	-	30	20	50	-	-	6	3
6.	EC606	O/E Lab	Microcontroller & Embedded system	-	-	-	30	20	50	-	-	6	3
7.	EC607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	EC608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits#	#*Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
603 (A) Data Communication	604(A) Microcontroller & Embedded system
603 (B) CMOS Design	604(B) Bio-medical Electronics
603(C) Satellite Communication	604(C) Power Electronics

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

III Semester Bachelor of Technology (B.Tech.) [Electrical & Electronics Engineering]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	ES301	HSMC-3	Energy & Environmental Engineering	70	20	10	-	-	100	3	1	-	4
2.	EX302	DC-1	Signals & Systems	70	20	10	-	-	100	3	1	-	4
3.	EX303	DC-2	Electrical Measurement & Measuring Instruments	70	20	10	30	20	150	3	-	2	4
4.	EX304	DC-3	Network Analysis	70	20	10	30	20	150	3	-	2	4
5.	EX305	DC-4	Analog Electronics	70	20	10	30	20	150	3	-	2	4
6.	EX306	DLC-3	Computer Programming – I (Java)	-	-	-	30	20	50	-	-	4	2
7.	BT107	DLC-1	Evaluation of Internship-I completed at I year level	-	-	-	-	50	50			4	2
8.	BT307	DLC-4	90 hrs Internship based on using various software's –Internship -II	To be completed anytime during Third/ fourth semester. Its evaluation/credit to be added in fifth semester.									
			Total	350	100	50	120	130	750	15	2	14	24
		NSS/NCC											

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester Bachelor of Technology (B.Tech.) [Electrical &Electronics Engineering]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work / Lab Work & Sessional		L	T	P	
1.	**BT401**	BSC	**Mathematics-III**	70	20	10	-	-	100	3	1	-	4
2.	**EX402**	DC	**Electrical Machine-I**	70	20	10	30	20	150	2	1	2	4
3.	**EX403**	DC	**Digital Electronics & Logic Design (DELD)**	70	20	10	30	20	150	3	1	2	5
4.	**EX404**	DC	**Power System-I**	70	20	10	30	20	150	3	1	2	5
5.	**EX405**	DC	**Control System**	70	20	10	30	20	150	3	0	2	4
6.	**EX406**	DLC*	**Computer Programming-II (Python)**	-	-	-	30	20	50	-	-	4	2
7.	**BT407**	DLC	**90 hrs Internship based on using various software's –Internship -II**	**To be completed anytime during fourth semester. Its evaluation/credit to be added in fifth semester.**									**3**
			Total	**350**	**100**	**50**	**150**	**100**	**750**	**14**	**4**	**12**	**24**
8.	**BT408**	MC	Cyber Security	**Non-credit course**									
			NSS/NCC										

***A minimum of 2hours per week should be allotted for the Virtual Lab along with the slot fixed for the conventional lab classes.**

MST: Minimum of two mid semester tests to be conducted.

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

V Semester Bachelor of Technology (B.Tech.) Electrical & Electronics Engineering *(w.e.f. July, 2019)*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	EX 501	DC	Electrical Machine-II	70	20	10	30	20	150	3		2	4
2.	EX 502	DC	Power Electronics	70	20	10	30	20	150	3		2	4
3.	EX 503	DE	Departmental Elective -I	70	20	10	--	-	100	3	1	-	4
4.	EX 504	OE	Open Elective -I	70	20	10	-	-	100	3		-	3
5.	EX 505	D Lab	Departmental Lab				30	20	50	-	1	3	2
6.	EX 506	O/E Lab	Open Elective Lab				30	20	50	-	1-	3	2
7.	BT 507	IN	Evaluation of Internship II					100	100			6	3
8.		IN	Internship III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	EX 508	P	Minor Project I / Seminar					50	50			4	2
10.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	230	750	12	3	18	24

Departmental Elective-I

EX 503 (A) Electrical Power Generation & Economy
EX 503 (B) Wind & Solar Energy
EX 503 (C) Renewable Power Generation

Open Elective-I

EX 504 (A) Industrial Electronics
EX 504 (B) Electromagnetic Theory
EX 504 (C) Electrical & Electronics Materials

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

VI Semester Bachelor of Technology (B. Tech.) Electrical & Electronics Engg. *(w.e.f. Jan, 2020)*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	EX601	DC	Power System-II	70	20	10	30	20	150	2	1	2	4
2.	EX602	DC	Microprocessor & Micro-controller	70	20	10	30	20	150	2	1	2	4
3.	EX603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	EX604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	EX605	D Lab	Electronic Instrumentation Lab	-	-	-	30	20	50	-	-	6	3
6.	EX606	O/E Lab	Simulation Lab	-	-	-	30	20	50	-	-	6	3
7.	BT607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	EX608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
603 (A) Utilization of Electrical Engineering	604(A) Electronic Instrumentation
603 (B) Energy Conservation & Management	604(B) Internet of Things (IoT)
603(C) Electromagnetic Waves	604(C) Analog & Digital communication

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

III Semester Bachelor of Technology (B.Tech.) [Information Technology]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	ES301	HSMC-3	Energy & Environmental Engineering	70	20	10	-	-	100	3	1	-	4
2.	IT302	DC-1	Discrete Structure	70	20	10	-	-	100	3	1	-	4
3.	IT303	DC-2	Data Structure	70	20	10	30	20	150	3	-	2	4
4.	IT304	DC-3	Object Oriented Programming &Methodology	70	20	10	30	20	150	3	-	2	4
5.	IT305	DC-4	Digital Circuits & System	70	20	10	30	20	150	3	-	2	4
6.	IT306	DLC-3	JAVA Programming Lab	-	-	-	30	20	50	-	-	4	2
7.	BT107	DLC-1	Evaluation of Internship-I completed at I year level	-	-	-	-	50	50			4	2
8.	BT307	DLC-4	90 hrs Internship based on using various software's –Internship -II	To be completed anytime during Third/ fourth semester. Its evaluation/credit to be added in fifth semester.									
			Total	350	100	50	120	130	750	15	2	14	24
			NSS/NCC										

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester Bachelor of Technology (B.Tech.) [Information Technology] *(w.e.f. Jan, 2021)* Revised

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work / Lab Work & Sessional		L	T	P	
1.	**BT401**	BSC	**Mathematics- III**	70	20	10	-	-	100	3	1	-	4
2.	**IT402**	DC	**Computer Architecture**	70	20	10	-	-	100	2	1	-	3
3.	**IT403**	DC	**Analysis and Design of Algorithm**	70	20	10	30	20	150	3	1	2	5
4.	**IT404**	DC	**Analog & Digital Communication**	70	20	10	30	20	150	3	1	2	5
5.	**IT405**	DC	**Data base Management System**	70	20	10	30	20	150	3	0	2	4
6.	**IT406**	DLC*	**Introduction to MATLAB, Scilab/Web Design**	-	-	-	30	20	50	-	-	4	2
7.	**IT407**	DLC*	**Open Source Software Lab (Linux and R)**	-	-	-	30	20	50	-	-	2	1
8.	**BT408**	DLC	**90 hrs Internship based on using various software's –Internship -II**	**To be completed anytime during fourth semester. Its evaluation/credit to be added in fifth semester.**									**3**
			Total	**350**	**100**	**50**	**150**	**100**	**750**	**14**	**4**	**12**	**24**
9.	**BT409**	MC	Cyber Security	**Non-credit course**									
			NSS/NCC										

***A minimum of 2hours per week should be allotted for the Virtual Lab along with the slot fixed for the conventional lab classes.**

MST: Minimum of two mid semester tests to be conducted.

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

V Semester Bachelor of Technology (B.Tech.) [Information Technology] *(w.e.f. July 2020)Revised*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work Lab Work & Sessional		L	T	P	
1.	IT 501	DC	Operating System	70	20	10	30	20	150	3	-	2	4
2.	IT 502	DC	Computer Network	70	20	10	30	20	150	3	-	2	4
3.	IT 503	DE	Departmental Elective-I	70	20	10	-	-	100	3	1	-	4
4.	IT 504	OE	Open Elective-I	70	20	10	-	-	100	3	-	-	3
5.	IT 505	D Lab	Advanced Java Lab	-	-	-	30	20	50	-	1	2	2
6.	IT 506	HSMC Lab	Soft Skills and Interpersonal Communication	-	-	-	30	20	50	-	1	2	2
7.	IT 507	IN	Evaluation of Internship-II					100	100			6	3
8.		IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	IT 508	P	Minor Project I/Seminar	-	-	-	-	50	50	-	-	4	2
10.	Additional Credits#	*#Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	230	750	12	3	18	24

Departmental Elective- I

IT 503 (A) Theory of Computation
IT 503 (B) Microprocessor & Interfacing
IT 503 (C) Object Oriented Analysis and Design

Open Elective- I

IT 504 (A) Artificial Intelligence
IT 504 (B) E Commerce & Governance
IT 504 (C) Java Programming

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

VI Semester Bachelor of Technology (B.Tech.) Information Technology *(w.e.f. Jan, 2020)*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	IT601	DC	Computer Graphics & Multimedia	70	20	10	30	20	150	2	1	2	4
2.	IT602	DC	Wireless and Mobile Computing	70	20	10	30	20	150	2	1	2	4
3.	IT603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	IT604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	IT605	D Lab	Programming in Python	-	-	-	30	20	50	-	-	6	3
6.	IT606	O/E Lab	Android Programming	-	-	-	30	20	50	-	-	6	3
7.	IT607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	IT608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
603 (A) Compiler Design	604(A) Intellectual Property Rights
603 (B) Data Mining	604(B) Software Engineering
603 (C) Embedded Systems	604 (C) Wireless Sensor Networks

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

III Semester Bachelor of Technology (B.Tech.) [Mechanical Engineering]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	BT301	BSC-5	Mathematics-III	70	20	10	-	-	100	3	1	-	4
2.	ME302	DC-1	Thermodynamics	70	20	10	-	-	100	3	1	-	4
3.	ME303	DC-2	Materials Technology	70	20	10	30	20	150	3	-	2	4
4.	ME304	DC-3	Strength of Material	70	20	10	30	20	150	3	-	2	4
5.	ME305	DC-4	Manufacturing Process	70	20	10	30	20	150	3	-	2	4
6.	ME306	DLC-3	Thermal Engg Lab	-	-	-	30	20	50	-	-	4	2
7.	BT107	DLC-1	Evaluation of Internship-I completed at I Year Level	-	-	-	-	50	50			4	2
8.	BT307	DLC-4	90 hrs Internship based on using various software's –Internship -II	To be completed anytime during Third/ fourth semester. Its evaluation/credit to be added in fifth semester.									
			Total	350	100	50	120	130	750	15	2	14	24
		NSS/NCC											

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Scheme of Examination as per AICTE Flexible Curricula

IV Semester Bachelor of Technology (B.Tech.) [Mechanical Engineering]

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work / Lab Work & Sessional		L	T	P	
1.	**ES401**	BSC	**Energy & Environmental Engineering**	70	20	10	-	-	100	3	1	-	4
2.	**ME402**	DC	**INSTRUMENTATION & CONTROL**	70	20	10	30	20	150	2	1	2	4
3.	**ME403**	DC	**THEORY OF MACHINES**	70	20	10	30	20	150	3	1	2	5
4.	**ME404**	DC	**FLUID MECHANICS**	70	20	10	30	20	150	3	1	2	5
5.	**ME405**	DC	**MANUFACTURING TECHNOLOGY**	70	20	10	30	20	150	3	0	2	4
6.	**ME406**	DLC*	**SOFTWARE LAB**	-	-	-	30	20	50	-	-	4	2
7.	**BT407**	DLC	**90 hrs Internship based on using various software's –Internship -II**	**To be completed anytime during fourth semester. Its evaluation/credit to be added in fifth semester.**									**3**
			Total	**350**	**100**	**50**	**150**	**100**	**750**	**14**	**4**	**12**	**24**
8.	**BT408**	MC	Cyber Security	**Non-credit course**									
			NSS/NCC										

***A minimum of 2hours per week should be allotted for the Virtual Lab along with the slot fixed for the conventional lab classes.**

MST: Minimum of two mid semester tests to be conducted.

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

Bachelor of Technology (B.Tech.) Mechanical Engineering *(w.e.f. July, 2019)*

V Semester

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	ME 501	DC	I C Engines	70	20	10	30	20	150	3	-	2	4
2.	ME 502	DC	Mechanical Vibration	70	20	10	30	20	150	2	1	2	4
3.	ME 503	DE	Departmental Elective	70	20	10	-	-	100	4	-	-	4
4.	ME 504	OE	Open Elective	70	20	10	-	-	100	3	-	-	3
5.	ME 505	D Lab	FEM/CFD Lab	-	-	-	30	20	50	-	-	4	2
6.	ME 506	O/E Lab	Python	-	-	-	30	20	50	-	-	4	2
7.	ME 507	IN	Evaluation of Internship-II	-	-	-	-	100	100	-	-	6	3
8.		IN	Internship - III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
9.	ME 508	P	Minor Project 1	-	-	-	-	50	50	-	-	4	2
10.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	230	750	12	1	22	24

Departmental Electives	Open Electives
ME 503 (A) Mechatronics	ME 504 (A)Industrial Engineering & Ergonomics
ME 503 (B) Dynamics of Machine	ME 504 (B)TQM and SQC
ME 503 (C) Alternate Automotive Fuels & Emissions	ME 504 (C)Finite Element Method

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

New Scheme of Examination as per AICTE Flexible Curricula

VI Semester Bachelor of Technology (B.Tech.) Mechanical Engineering *(w.e.f. Jan, 2020)*

S.No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical						
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem	Term work / Lab Work & Sessional		L	T	P	
1.	ME601	DC	Thermal Engineering and Gas Dynamics	70	20	10	30	20	150	2	1	2	4
2.	ME602	DC	Machine Component Design	70	20	10	30	20	150	2	1	2	4
3.	ME603	DE	Departmental Elective	70	20	10	-	-	100	4	-	0	4
4.	ME604	OE	Open Elective	70	20	10	-	-	100	4	-	0	4
5.	ME605	D Lab	CAD Lab	-	-	-	30	20	50	-	-	6	3
6.	ME606	O/E Lab	RDBMS	-	-	-	30	20	50	-	-	6	3
7.	ME607	IN	Internship-III	To be completed anytime during Fifth/Sixth semester. Its evaluation/credit to be added in Seventh Semester.									
8.	ME608	P	Minor Project II	-	-	-	-	50	50	-	-	4	2
9.	Additional Credits[#]	*[#]Additional credits can be earned through successful completion of credit based MOOC's Courses available on SWAYAM platform (MHRD) at respective UG level.*											
			Total	280	80	40	120	130	650	12	2	20	24

Departmental Electives	Open Electives
603 (A) Turbo Machinery	604(A) Robotics
603 (B) Computer Aided Engineering	604(B) Optimization Techniques
603(C) Product Design	604(C) Renewable Energy Technology

Swayam on line course (any one of one sem duration)

1 Hr Lecture	1 Hr Tutorial	2 Hr Practical
1 Credit	**1 Credit**	**1 Credit**

BARKATULLAH VISHWAVIDYALAYA, BHOPAL

MBA (FULL TIME)

FIRST YEAR

SEMESTER I

CP – 101	MANAGEMENT CONCEPTS & PRACTICES	100
CP – 102	QUANTITATIVE METHODS	100
CP – 103	MANAGERIAL ECONOMICS	100
CP – 104	COMMUNICATION SKILLS	100
CP – 105	INTERNATIONAL BUSINESS ENVIRONMENT	100
CP – 106	ACCOUNTING FOR MANAGERS	100
	TOTAL MARKS	**600**

SEMESTER II

CP – 201	ORGANISATION BEHAVIOURS	100
CP – 202	HUMAN RESOURCE MANAGEMENT	100
CP – 203	FINANCIAL MANAGEMENT	100
CP – 204	MARKETING MANAGEMENT	100
CP – 205	RESEARCH METHODOLOGY	100
CP – 206	PROJECT MANAGEMENT	100
	TOTAL MARKS	**600**

SECOND YEAR

SEMESTER III

CP – 301	BUSINESS POLICY & STRATEGIC ANALYSIS	100
CP – 302	DECISION SUPPORT SYSTEM & MANAGEMENT INFORMATION SYSTEM	100
CP – 303	SPECIALISATION –1, PAPER – I	100
CP – 304	SPECIALISATION –1, PAPER – II	100
CP – 305	SPECIALISATION-2, PAPER – I	100
CP – 306	SPECIALISATION-2, PAPER – II	100
	TOTAL MARKS	**600**

SEMESTER IV

CP – 401	COMPREHENSIVE VIVA VOCE	100
CP – 402	BUSINESS LEGISLATION	100
CP – 403	ENTREPRENEURSHIP DEVELOPMENT & MANAGEMENT	100
CP –404	SPECIALISATION –1, PAPER – III	100
CP –405	SPECIALISATION –1, PAPER – IV	100
CP –406	SPECIALISATION-2, PAPER – III	100
CP –407	SPECIALISATION-2, PAPER – IV	100
	TOTAL MARKS	**700**

DISTRIBUTION OF MARKS

SEM-I, 600 SEM-II, 600 SEM-III, 600 SEM-IV, 700 =TOTAL MARK'S - 2500

EXTERNAL EVALUATION IN EACH PAPER OF 80 MARKS

SEC A (4*8) =32, SEC B (3*16) =48 =TOTAL MARK'S - 80

INTERNAL EVALUATION IN EACH PAPER OF 20 MARKS

Mid Term Test-50% Seminar-30% Class Performance – 20%

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination *(w.e.f. July-2020)*

First Semester- Master of Computer Application

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments/Quiz	End Sem. Practical/Viva	Practical Record/Quiz/Assignment/Presentation	
1.	MCA 101	Programming in C and data Structure	3	1	-	4	70	20	10	-	-	100
2.	MCA 102	Statistical Mathematics	3	1	-	4	70	20	10	-	-	100
3.	MCA 103	Operating System and Architecture	3	1	-	4	70	20	10	-	-	100
4.	MCA 104	Information Technology	3	1	-	4	70	20	10	-	-	100
5.	MCA 105	Communication Skills	3	1	-	4	70	20	10	-	-	100
6	MCA 106	C and DS Lab	-	-	8	8	-	-	-	120	80	200
7.	MCA 107	Operating System Lab	-	-	2	2				30	20	50
		Total	15	5	10	30	350	100	50	150	100	750

L: Lecture - T: Tutorial - P: Practical

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination *(w.e.f. 2020-2021)*

Second Semester- Master of Computer Application

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments/Quiz	End Sem. Practical/Viva	Practical Record/Quiz/Assignment/Presentation	
1.	MCA 201	DBMS	3	1	-	4	70	20	10	-	-	100
2.	MCA 202	Computer Network	3	1	-	4	70	20	10	-	-	100
3.	MCA 203	Software Engineering and UML	3	1	-	4	70	20	10	-	-	100
4.	MCA 204	Algorithm Design	3	1	-	4	70	20	10	-	-	100
5.	MCA 205	Object oriented Programming with JAVA	3	1	-	4	70	20	10	-	-	100
6.	MCA 206	Java and OOPS Lab	-	-	8	8	-	-	-	120	80	200
7.	MCA 207	DBMS	-	-	2	2				30	20	50
		Total	15	5	10	30	350	100	50	150	100	750

L: Lecture - T: Tutorial - P: Practical

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination *(w.e.f. 2020-2021)*

Third Semester- Master of Computer Application

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments/Quiz	End Sem. Practical/Viva	Practical Record/Quiz/Assignment/Presentation	
1.	MCA 301	Data Mining	3	1	-	4	70	20	10	-	-	100
2.	MCA 302	Artificial Intelligence	3	1	-	4	70	20	10	-	-	100
3.	MCA 303	Elective – I	3	1	-	4	70	20	10	-	-	100
4.	MCA 304	Elective-II	3	1	-	4	70	20	10	-	-	100
5.	MCA 305	Elective-III	3	1	-	4	70	20	10	-	-	100
6.	MCA 306	Minor Project	-	-	8	8	-	-	-	120	80	200
7.	MCA 307	Elective -1 Lab	-	-	2	2				30	20	50
		Total	15	5	10	30	350	100	50	150	100	750

L: Lecture - T: Tutorial - P: Practical

Elective – I
1. Python
2. Web Technology
3. Introduction to data Science and big data

Elective-II
1.Machine Learning
2. Soft Computing
3 Internet of Things

Elective-III
1. Computer Ethics
2. Advanced Databases
3. Distributed Systems

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination *(w.e.f. 2020-2021)*

Fourth Semester- Master of Computer Application

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments/Quiz	End Sem. Practical/ Viva	Practical Record/Quiz/Assignment/Presentation	
1.	MCA 401	Elective –IV	3	1	-	4	70	20	10	-	-	100
2.	MCA 402	Elective-V	3	1	-	4	70	20	10	-	-	100
3.	MCA 403	Elective-VI	3	1	-	4	70	20	10	-	-	100
4.	MCA 404	Major Project	-	-	16	16	-	-	-	250	150	400
5.	MCA 405	Lab of Elective-IV ,V and VI	-	-	2	2				30	20	50
		Total	9	3	18	30	210	60	30	280	170	750

L: Lecture - T: Tutorial - P: Practical

Elective – IV
1. Advanced Python
2. Advanced Web Technology
3. Big data with Analytics

Elective-V
1. Deep Learning
2. Cloud Computing Technologies
3 Digital marketing

Elective-VI
1. Information Security
2. Block Chain and Cryptocurrency
3. Mobile Computing

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

First Semester- M.E./M.Tech (CAD/CAM Engineering & Advanced Production System, Advance Production System, Computer Integrated Manufacturing, Production Engg & Engg design, Production Engg., Production & Industrial System, Mechanical Engg. (Prod.), CAD/CAM Engineering)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/ Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MMIE/MMIP/MMCM- 101	Advance Mathematics	3	1	-	4	70	20	10	-	-	100
2.	MMIE/ MMIP/MMCM-102	Operations Management	3	1	-	4	70	20	10	-	-	100
3.	MMCM-103	CAD-CAM-CIM	3	1	-	4	70	20	10	-	-	100
4.	MMCM-104	Mechatronics										
5.	MMIP/MMCM-105	Manufacturing Science	3	1	-	4	70	20	10	-	-	100
6.	MMIE-106	Lab-I Mfg Processes / Mechatronics Lab	-	-	6	6	-	-	-	90	60	150
7.	MMIE-107	Lab-II CAD/CAM Lab	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2015

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Second Semester- M.E./M.Tech (CAD/CAM Engineering & Advanced Production System, Advance Production System, Computer Integrated Manufacturing, Production Engg & Engg design, Production Engg., Production & Industrial System, Mechanical Engg. (Prod.), CAD/CAM Engineering)

S.No.	Subject Code	Name of Subject	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/ Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MMIE/MMIP/ MMCM-201	Product Design and Lifecycle Management	3	1	-	4	70	20	10	-	-	100
2.	MMIE/ MMIP/MMCM- 202	Total Quality Management	3	1	-	4	70	20	10	-	-	100
3.	MMIE/MMIP/MMCM-203	ERP & Supply Chain Management	3	1	-	4	70	20	10	-	-	100
4.	MMIP-204/MMCM-204	Rapid Prototyping and Rapid Tooling	3	1	-	4	70	20	10	-	-	100
5.	MMCM-205	Finite Element and Computer Aided Engineering	3	1	-	4	70	20	10	-	-	100
6.	MMIP-206	Lab-III FEM lab	-	-	6	6	-	-	-	90	60	150
7.	MMIP-207	Lab-IV Manufacturing Simulation Lab	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2015

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Third Semester- M.E./M.Tech (CAD/CAM Engineering & Advance Production System)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MMCM - 301	Elective I	3	1	-	4	70	20	10	-	-	100
2.	MMCM -302	Elective II	3	1	-	4	70	20	10	-	-	100
3.	MMCM -303	Seminar	-	-	4	4	-	-	-	-	100	100
4.	MMCM -304	Dissertation Part- I (Literature Review/Problem Formulation/ Synopsis)	-	-	8	8	-	-	-	120	80	200
		Total	6	2	12	20	140	40	20	120	180	500

L: Lecture - **T: Tutorial -** **P: Practical**

w.e.f. July-2014

LIST OF ELECTIVES:

S. No.	Elective-I Code:MMCM-301	S. No.	Elective-II Code:MMCM-302
1.	Research Methodology	1.	Robotics and Automated Material Handling
2.	Intelligent Manufacturing	2.	Manufacturing Systems Engineering
3.	Reliability & Total Productive Maintenance	3.	Advance Production Technology
4.	Industrial Design and Ergonomics	4	Manufacturing Automation

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Fourth Semester- M.E./M.Tech (CAD/CAM Engineering & Advance Production System)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MMCM-401	Dissertation Part- II	-	-	20	20	-	-	-	300	200	500
		Total	-	-	20	20	-	-	-	300	200	500

L: Lecture - **T: Tutorial -** **P: Practical**

w.e.f. July-2013

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

First Semester- M.E./M.Tech. *(Computer Science and Engineering)/ Computer Sc.*

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments/ Quiz	End Sem. Practical/ Viva	Practical Record/ assignm ent/Quiz /Present ation	
1.	MCSE 101	Advanced Computational Mathematics	3	1	-	4	70	20	10	-	-	100
2.	MCSE 102	Advanced Data Structures and Algorithm	3	1	-	4	70	20	10	-	-	100
3.	MCSE 103	Advanced Computer Architecture	3	1	-	4	70	20	10	-	-	100
4.	MCSE 104	Object Oriented Technology	3	1	-	4	70	20	10	-	-	100
5.	MCSE 105	Advanced Computer Networking	3	1	-	4	70	20	10	-	-	100
6.	MCSE 106	Lab-I MCSE-103 MCSE-105	-	-	6	6	-	-	-	90	60	150
7.	MCSE 107	Lab-II MCSE-102 MCSE-104	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Second Semester- Master of Technology *(Computer Science and Engineering)*

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practical /Viva	Practical Record/ assignm ent/Quiz /Present ation	
1.	MCSE 201	Web Technology and E-Commerce	3	1	-	4	70	20	10	-	-	100
2.	MCSE 202	Information theory, Coding and Cryptography	3	1	-	4	70	20	10	-	-	100
3.	MCSE 203	Advance Concept in Data Bases	3	1	-	4	70	20	10	-	-	100
4.	MCSE 204	System Programming	3	1	-	4	70	20	10	-	-	100
5.	MCSE 205	Soft Computing	3	1	-	4	70	20	10	-	-	100
6.	MCSE 206	Lab-III (MCSE-201,205)	-	-	6	6	-	-	-	90	60	150
7.	MCSE 207	Lab-IV MCSE 203, MCSE 204)	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Third Semester- M.E./M.Tech. (*Computer Sc. & Engg./Computer Sc.)*

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practic al/Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MCSE 301	Elective I	3	1	-	4	70	20	10	-	-	100
2.	MCSE 302	Elective II	3	1	-	4	70	20	10	-	-	100
3.	MCSE 303	Seminar	-	-	4	4	-	-	-	-	100	100
4.	MCSE 304	Dissertation Part- I (Literature Review/Problem Formulation/ Synopsis)	-	-	8	8	-	-	-	120	80	200
		Total	6	2	12	20	140	40	20	120	180	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Elective –I (MCSE 301)

(A) Data Warehousing & Mining

Elective-II (MCSE 302)

(C) Network Security
(D) Simulation and Modeling

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Fourth Semester- M.E./M.Tech. (*Computer Sc. & Engg./Computer Sc.)*

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MCSE 401	Dissertation Part- II	-	-	20	20	-	-	-	300	200	500
		Total	-	-	20	20	-	-	-	300	200	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

First Semester- Master of Engineering

(Digital Communication,Communication Tech./Control,Communication Systems)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments/ Quiz	End Sem. Practical /Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MEDC-101	Advanced Mathematics	3	1	-	4	70	20	10	-	-	100
2.	MEDC-102	Micro controller system Design	3	1	-	4	70	20	10	-	-	100
3.	MEDC-103	DSP Application	3	1	-	4	70	20	10	-	-	100
4.	MEDC-104	VLSI Design	3	1	-	4	70	20	10	-	-	100
5.	MEDC-105	Data Communication and Computer Networks	3	1	-	4	70	20	10	-	-	100
6.	MEDC-106	Lab-I (102,103)	-	-	6	6	-	-	-	90	60	150
7.	MEDC-107	Lab-II (104,105)	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Second Semester- Master of Engineering

(Digital Communication,Communication Tech./Control,Communication Systems)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical /Viva	Practical Record/ Assignment/Quiz/Presentation	
1.	MEDC-201	System Programming	3	1	-	4	70	20	10	-	-	100
2.	MEDC-202	Modelling & Simulation of Computer	3	1	-	4	70	20	10	-	-	100
3.	MEDC-203	Network Design Technology	3	1	-	4	70	20	10	-	-	100
4.	MEDC-204	Optical Network	3	1	-	4	70	20	10	-	-	100
5.	MEDC-205	Mobile & Satellite Communication	3	1	-	4	70	20	10	-	-	100
6.	MEDC-206	Lab-III (201)	-	-	6	6	-	-	-	90	60	150
7.	MEDC-207	Lab-IV (202)	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Third Semester- Master of Engineering

(Digital Communication,Communication Tech./Control,Communication Systems)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practical /Viva	Practical Record Assignm ent/Quiz /Present ation	
1.	MEDC-301	Elective I	3	1	-	4	70	20	10	-	-	100
2.	MEDC-302	Elective II	3	1	-	4	70	20	10	-	-	100
3.	MEDC-303	Seminar	-	-	4	4	-	-	-	-	100	100
4.	MEDC-304	Dissertation Part I	-	-	8	8	-	-	-	120	80	200
		Total	6	2	12	20	140	40	20	120	180	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Elective-I	
MEDC-301(A)	Information Theory & Coding

Elective -II	
MEDC-302(A)	Advanced Digital Communication
MEDC-302(B)	Optical Instrumentation & Measurement

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Fourth Semester- M.E./M.Tech.

(Digital Communication, Communication Tech./Control, Communication Systems)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practic al/Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MEDC 401	Dissertation Part- II	-	-	20	20	-	-	-	300	200	500
		Total	-	-	20	20	-	-	-	300	200	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

First Semester- Master of Technology *(Information Technology)*

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practical/ Viva	Practical Record/As signment/ Quiz/Pres entation	
1.	MCIT 101	Mathematical Foundation for I.T.	3	1	-	4	70	20	10	-	-	100
2.	MCIT 102	Internet Technology	3	1	-	4	70	20	10	-	-	100
3.	MCIT 103	Object Oriented Technology	3	1	-	4	70	20	10	-	-	100
4.	MCIT 104	Computer Graphics & Multimedia	3	1	-	4	70	20	10	-	-	100
5.	MCIT 105	Advance Database Management System	3	1	-	4	70	20	10	-	-	100
6.	MCIT 106	Lab-I (MCIT 102 & MCIT 105)	-	-	6	6	-	-	-	90	60	150
7.	MCIT 107	Lab-II (MCIT 103 & MCIT 104)	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Second Semester- Master of Technology *(Information Technology)*

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practical /Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MCIT 201	Information Security System	3	1	-	4	70	20	10	-	-	100
2.	MCIT 202	Distributed Computing	3	1	-	4	70	20	10	-	-	100
3.	MCIT 203	Advance Computer Architecture	3	1	-	4	70	20	10	-	-	100
4.	MCIT 204	Soft Computing	3	1	-	4	70	20	10	-	-	100
5.	MCIT 205	Mobile Computing	3	1	-	4	70	20	10	-	-	100
6.	MCIT 206	Lab-III (MCIT 201 & MCIT 205)	-	-	6	6	-	-	-	90	60	150
7.	MCIT 207	Lab-IV (MCIT 202 & MCIT 204)	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Third Semester- Master of Technology *(Information Technology)*

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practic al/Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MCIT 301	Elective I	3	1	-	4	70	20	10	-	-	100
2.	MCIT 302	Elective II	3	1	-	4	70	20	10	-	-	100
3.	MCIT 303	Seminar	-	-	4	4	-	-	-	-	100	100
4.	MCIT 304	Dissertation Part- I (Literature Review/Problem Formulation/ Synopsis)	-	-	8	8	-	-	-	120	80	200
		Total	6	2	12	20	140	40	20	120	180	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Elective –I (MCIT- 301)

(A) Ad-hoc Networks.
(B) Data Mining and Warehousing.
(C) Web Engineering.

Elective-II (MCIT- 302)

(A) Software Testing & Quality assurance.
(B) Digital image processing.
(C) Grid Computing.

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Fourth Semester- M.E./M.Tech. (*Information Technology)*

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MCIT 401	Dissertation Part- II	-	-	20	20	-	-	-	300	200	500
		Total	-	-	20	20	-	-	-	300	200	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

First Semester- Master of Technology/Master of Engineering

Machine Design and Robotics/Machine Design

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practical/ Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MMMD -101	Advance Mathematics	3	1	-	4	70	20	10	-	-	100
2.	MMMD -102	Theory of Elasticity & Plasticity	3	1	-	4	70	20	10	-	-	100
3.	MMMD -103	Material Science	3	1	-	4	70	20	10	-	-	100
4.	MMMD -104	Theory of Vibration	3	1	-	4	70	20	10	-	-	100
5.	MMMD -105	Computer Aided Design & Drafting	3	1	-	4	70	20	10	-	-	100
6.	MMMD -106	Lab-I	-	-	6	6	-	-	-	90	60	150
7.	MMMD -107	Lab-II	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (M.P.)

Scheme of Examination

Second Semester- Master of Technology/Master of Engineering

Machine Design and Robotics/Machine Design

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practical/ Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MMMD-201	Adv. Machine Design	3	1	-	4	70	20	10	-	-	100
2.	MMMD - 202	Finite Elements Method	3	1	-	4	70	20	10	-	-	100
3.	MMMD - 203	Robotics	3	1	-	4	70	20	10	-	-	100
4.	MMMD - 204	Industrial Tribology	3	1	-	4	70	20	10	-	-	100
5.	MMMD/ MMPD - 205	Vibration and Noise Control	3	1	-	4	70	20	10	-	-	100
6.	MMMD - 206	Lab-I (204)	-	-	6	6	-	-	-	90	60	150
7.	MMMD - 207	Lab-II (203)	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Third Semester- Master of Technology/Master of Engineering

Machine Design and Robotics/Machine Design

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practical/ Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MMMD -301	Elective I	3	1	-	4	70	20	10	-	-	100
2.	MMMD -302	Elective II	3	1	-	4	70	20	10	-	-	100
3.	MMMD -303	Seminar	-	-	4	4	-	-	-	-	100	100
4.	MMMD -304	Dissertation Part-I (Literature Review/Problem Formulation/Synopsis)	-	-	8	8	-	-	-	120	80	200
		Total	6	2	12	20	140	40	20	120	180	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Elective I

A) Fatigue Fracture Analysis

B) Experimental stress Analysis

Elective II

A) Fluid Film Lubrication

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Fourth Semester- M.E./M.Tech

Machine Design and Robotics/ Machine Design

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MMMD 401	Dissertation Part- II	-	-	20	20	-	-	-	300	200	500
		Total	-	-	20	20	-	-	-	300	200	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

First Semester- Master of Technology/Master of Engineering

Power Electronics/Electrical Machines and Drives

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practical/ Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MEPE-101	Advance Mathematics	3	1	-	4	70	20	10	-	-	100
2.	MEPE-102	Power Electronics Devices & Phase Controlled Circuits	3	1	-	4	70	20	10	-	-	100
3.	MEPE-103	Advanced Control System	3	1	-	4	70	20	10	-	-	100
4.	MEPE-104	Forced Commutation Circuits	3	1	-	4	70	20	10	-	-	100
5.	MEPE-105	Electric Drives	3	1	-	4	70	20	10	-	-	100
6.	MEPE-106	Lab-I (Power Elex Devices and Phase Controlled Circuits)	-	-	6	6	-	-	-	90	60	150
7.	MEPE-107	Lab-II (Software & Simulation)	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Second Semester- M.E./ M.Tech Power Electronics /Electrical Machines and Drives

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practical /Viva	Practical Record/ assignm ent/Quiz /present ation	
1.	MEPE 201	Solid State Controllers of Drives	3	1	-	4	70	20	10	-	-	100
2.	MEPE 202	Advanced Microprocessor and Application	3	1	-	4	70	20	10	-	-	100
3.	MEPE 203	Power Electronics App. To Power Systems	3	1	-	4	70	20	10	-	-	100
4.	MEPE 204	Modeling and Simulation of Drives	3	1	-	4	70	20	10	-	-	100
5.	MEPE 205	Power Quality and Conditioning	3	1	-	4	70	20	10	-	-	100
6.	MEPE 206	Lab-III (Solid State Controllers of Drives)	-	-	6	6	-	-	-	90	60	150
7.	MEPE 207	Lab-IV (Adv. Microprocessor & DSP App.	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Third Semester- M.E./ M.Tech Power Electronics /Electrical Machines and Drives

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assign ments /Quiz	End Sem. Practic al/Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MEPE 301	Elective I	3	1	-	4	70	20	10	-	-	100
2.	MEPE 302	Elective II	3	1	-	4	70	20	10	-	-	100
3.	MEPE 303	Seminar	-	-	4	4	-	-	-	-	100	100
4.	MEPE 304	Dissertation Part- I (Literature Review/Problem Formulation/ Synopsis)	-	-	8	8	-	-	-	120	80	200
		Total	6	2	12	20	140	40	20	120	180	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Elective –I (MEPE- 301)

(A) Micro Controllers and control
(B) Power Electronics Supply System & Design
(C) Non Conventional Energy Sources and Energy converters

Elective-II (MEPE - 302)

A) Computer Aided Power Electronics Analysis & Design
B) EHV AC and DC Transmission

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Fourth Semester- M.E./ M.Tech Power Electronics /Electrical Machines and Drives

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MEPE 401	Dissertation Part- II	-	-	20	20	-	-	-	300	200	500
		Total	-	-	20	20	-	-	-	300	200	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

First Semester- Master of Engineering

(Embedded System and VLSI Design,Micro electronics and VLSI Design)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End. Sem. Exam.	Tests (Two)	Assign ments /Quiz	End. Sem. Practical/ Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MEVD-101	Advanced Mathematics	3	1	-	4	70	20	10	-	-	100
2.	MEVD-102	CMOS VLSI Design	3	1	-	4	70	20	10	-	-	100
3.	MEVD-103	Advanced Logic Design	3	1	-	4	70	20	10	-	-	100
4.	MEVD-104	Digital Signal Processing	3	1	-	4	70	20	10	-	-	100
5.	MEVD-105	Embedded Microcontroller Programming	3	1	-	4	70	20	10	-	-	100
6.	MEVD-106	Lab-I Embedded System Design	-	-	6	6	-	-	-	90	60	150
7.	MEVD-107	Lab-II Digital Design	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Second Semester- Master of Engineering

(Embedded System and VLSI Design,Micro electronics and VLSI Design)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End. Sem. Exam.	Tests (Two)	Assignments /Quiz	End. Sem. Practical/ Viva	Practical Record/Assignment/Quiz/Presentation	
1.	MEVD-201	VLSI Technology	3	1	-	4	70	20	10	-	-	100
2.	MEVD-202	Real Time Operating System	3	1	-	4	70	20	10	-	-	100
3.	MEVD-203	VLSI Test and Testability	3	1	-	4	70	20	10	-	-	100
4.	MEVD-204	Microelectronics	3	1	-	4	70	20	10	-	-	100
5.	MEVD-205	Embedded Computing System Design	3	1	-	4	70	20	10	-	-	100
6.	MEVD-206	Lab-III Real Time Operative System	-	-	6	6	-	-	-	90	60	150
7.	MEVD-207	Lab-IV VLSI Technology	-	-	6	6	-	-	-	90	60	150
		Total	15	5	12	32	350	100	50	180	120	800

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal(M.P.)

Scheme of Examination

Third Semester- Master of Engineering

(Embedded System and VLSI Design,Micro electronics and VLSI Design)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End. Sem. Exam.	Tests (Two)	Assign ments /Quiz	End. Sem. Practical /Viva	Practical Record/ Assignm ent/Quiz /Present ation	
1.	MEVD-301	Elective I	3	1	-	4	70	20	10	-	-	100
2.	MEVD-302	Elective II	3	1	-	4	70	20	10	-	-	100
3.	MEVD-303	Seminar	-	-	4	4	-	-	-	-	100	100
4.	MEVD-304	Preliminary Dissertation cum Synopsis	-	-	8	8	-	-	-	120	80	200
		Total	6	2	12	20	140	40	20	120	180	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010

MEVD 301 Elective -I	
(A)	Opto-Electronics Integrated Circuits
(B)	System On Chip (SOC) Design

MEVD 302 Elective -II	
(A)	Communication RF IC Design
(B)	Embedded System Programming

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Scheme of Examination

Fourth Semester- M.E./M.Tech.

(Embedded System and VLSI Design,Micro electronics and VLSI Design)

S.No.	Subject Code	Subject Name	Periods per week			Credits	Maximum Marks (Theory Slot)			Maximum Marks (Practical Slot)		Total Marks
			L	T	P		End Sem. Exam.	Tests (Two)	Assignments /Quiz	End Sem. Practical/Viva	Practical Record/ Assignment/Quiz /Presentation	
1.	MEVD 401	Dissertation Part- II	-	-	20	20	-	-	-	300	200	500
		Total	-	-	20	20	-	-	-	300	200	500

L: Lecture - T: Tutorial - P: Practical

w.e.f. July-2010