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**

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V Semester Bachelor of Technology (B.Tech.) Mechanical 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.	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**

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New Scheme of Examination as per AICTE Flexible Curricula

VII Semester **Bachelor of Technology (B.Tech.) [Mechanical Engineering]** ***(w.e.f. July, 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.	ME 701	DC	Heat and Mass Transfer	70	20	10	30	20	150	2	1	2	4
2.	ME702	DE	Departmental Elective	70	20	10	-	-	100	3	1	-	4
3.	ME703	OE	Open Elective	70	20	10	-	-	100	3	0	0	3
4.	ME 704	D Lab	CAD/CAM/CIM	-	--	-	30	20	50	-	-	6	3
5.	ME 705	O/E lab	MATLAB and R Programming	-	-	-	30	20	50	-	-	6	3
6.	ME706	P	Major Project-I	-	-	-	100	50	150	-	-	8	4
7.	ME 707		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) Advance Machining Processes	703(A)Operation Research and Supply Chain
702 (B) Internet of Things (IOT)	703(B) Artificial Intelligence Techniques
702 (C) Power Plant Engineering	703(C) Systems Engineering
702 (D) Advance Machine Design	703 (D)Reliability Engineering

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