KADI SARVA VISHWAVIDYALAYA, GANDHINAGAR

Bachelor of Engineering Mechanical Semester 3 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
CC-301A	Differential Equations And Integral transform	3	2	0	5	5	3	70	30	20	0	120
ME302	Kinematics of Machines	3	0	0	3	3	3	70	30	20	0	120
ME303	Machining & Casting Processes	4	0	2	6	5	3	70	30	20	30	150
ME304	Material science and metallurgy	4	0	2	6	5	3	70	30	20	30	150
ME305	Advance Strength of Material	3	0	2	5	4	3	70	30	20	30	150
ME306	Engineering Thermodynamics	3	0	0	3	3	3	70	30	20	0	120
	Library / Internet	0	0	2	2	0	0	0	0	0	0	0
Total		20	2	8	30	25	18	420	180	120	90	810

Bachelor of Engineering Mechanical Semester 4 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
CC401A	Complex Analysis and Numerical Analysis	3	2	0	5	5	3	70	30	20	0	120
ME402	Electrical Machines and Electronics	3	0	2	5	4	3	70	30	20	30	150
ME403	Non Conventional Energy Sources	3	0	0	3	3	3	70	30	20	0	120
ME404	Industrial drafting & machine design	4	0	2	6	5	3	70	30	20	30	150
ME405	Mechanical Measurement & Metrology	3	0	2	5	4	3	70	30	20	30	150
ME406	Fluid Mechanics	3	0	2	5	4	3	70	30	20	30	150
	Library / Internet	0	0	1	1	0	0	0	0	0	0	0
Total		19	2	8	30	25	18	420	180	120	120	840

Bachelor of Engineering Mechanical Semester 5 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
ME501	Theory of Machines	3	0	2	5	4	3	70	30	20	30	150
ME502	Machine Deign-I	4	0	2	6	5	3	70	30	20	30	150
ME503	Manufacturing Process	3	0	2	5	4	3	70	30	20	30	150
ME504	Industrial Engineering	3	0	0	3	3	3	70	30	20	0	120
ME505	Heat & Mass Transfer	4	0	2	6	5	3	70	30	20	30	150
ME506	Thermal Power Plant Engineering	3	0	0	3	3	3	70	30	20	0	120
ME507	Project Phase 1	0	0	2	2	1	0	0	0	20	30	50
Total		20	0	10	30	25	18	420	180	140	150	890

Bachelor of Engineering Mechanical Semester 6 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
CC601	Principle of Management	2	0	0	2	2	3	70	30	20	0	120
ME602	Dynamics of Machinery	4	0	2	6	5	3	70	30	20	30	150
ME603	Computer Aided Design	4	0	2	6	5	3	70	30	20	30	150
ME604	Fluid Power Engineering	4	0	2	6	5	3	70	30	20	30	150
ME605	Internal Combustion Engineering	3	0	2	5	4	3	70	30	20	30	150
ME606	Engineering Costing & Estimating	3	0	0	3	3	3	70	30	20	0	120
ME607	Project Phase 2	0	0	2	2	1	0	0	0	20	30	50
Total		20	0	10	30	25	18	420	180	140	150	890

Bachelor of Engineering Mechanical Semester 7 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
ME701	Automobile Engineering	3	0	2	5	4	3	70	30	20	30	150
ME702	Refrigeration and Air-conditioning	4	0	2	6	5	3	70	30	20	30	150
ME703	Computer Integrated Manufacturing	3	0	2	5	4	3	70	30	20	30	150
ME704	Production Technology	3	0	2	5	4	3	70	30	20	30	150
ME705	Control Engineering	3	0	2	5	4	3	70	30	20	30	150
ME706-A	Robotics & Artificial Intelligence	4	0	0	4	4	3	70	30	20	0	120
ME706-B	Mechanics of Composite Materials	4	0	0	4	4	3	70	30	20	0	120
ME706-C	Gas Dynamics	4	0	0	4	4	3	70	30	20	0	120
ME706-D	Quality & Reliability Engineering	4	0	0	4	4	3	70	30	20	0	120
Total		20	0	10	30	25	18	420	180	120	150	870

Bachelor of Engineering Mechanical Semester 8 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
ME801	Operation Research	4	0	2	6	5	3	70	30	20	30	150
ME802	Machine Design II	4	0	2	6	5	3	70	30	20	30	150
ME803	Steam and Gas Turbines	4	0	0	4	4	3	70	30	20	0	120
ME804	Project Phase 3	0	0	14	14	7	3	-	-	50	100	150
ME805-A	Automobile Body Design Engineering	4	0	0	4	4	3	70	30	20	0	120
ME805-B	Industrial Tribology	4	0	0	4	4	3	70	30	20	0	120
ME805-C	Product Design & Value Engineering	4	0	0	4	4	3	70	30	20	0	120
ME805-D	Machine Tool Design	4	0	0	4	4	3	70	30	20	0	120
Total		16	0	18	34	25	15	280	120	130	160	690