KADI SARVA VISHWAVIDYALAYA, GANDHINAGAR

Master of Engineering (Mechanical-Production Engineering) Semester 1 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	
MECC-101	Research Methodology	2	0	0	2	2	3	70	30	20	0	120
MEPR-102	Machining Science	4	0	2	6	5	3	70	30	20	30	150
MEPR-103	Advance Casting Techniques	4	0	2	6	5	3	70	30	20	30	150
MEPR-104	Product Automation & CNC Technology	4	0	2	6	5	3	70	30	20	30	150
MEPR-105	Literature Review & Report Writing Practice	0	0	2	2	1	0	0	0	60	100	160
MEPR-106 A	El1: Applied Mathematics For Mechanical Engineering	3	0	0	3	3	3	70	30	20	0	120
MEPR-106 B	El1: Principles of Management	3	0	0	3	3	3	70	30	20	0	120
MEPR-106 C	El1: Entrepreneurship Development	3	0	0	3	3	3	70	30	20	0	120
MEPR-107 A	El2: Product Design for Manufacture	3	0	2	5	4	3	70	30	20	30	150
MEPR-107 B	El2: Sheet Metal Processing	3	0	2	5	4	3	70	30	20	30	150
MEPR-107 C	El2: Planning and Control of Production Systems	3	0	2	5	4	3	70	30	20	30	150
Total		20	0	10	30	25	18	420	180	180	220	1000

Master of Engineering (Mechanical-Production Engineering) Semester 2 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	
MEPR-201	Mechanics of Metal Forming	4	0	2	6	5	3	70	30	20	30	150
MEPR-202	Advance Welding Technology	3	0	2	5	4	3	70	30	20	30	150
MEPR-203	Advanced Material Technology& Metallurgy	4	0	2	6	5	3	70	30	20	30	150
MEPR-204	Design of Machine Tools	4	0	2	6	5	3	70	30	20	30	150
MEPR-205 A	El 1:Robotics & Artificial Intelligence	3	0	2	5	4	3	70	30	20	30	150
MEPR-205 B	El 1:Finite Element Techniques	3	0	2	5	4	3	70	30	20	30	150
MEPR-205 C	El 1:Metrology & Computer Aided Inspection	3	0	2	5	4	3	70	30	20	30	150
MEPR-206 A	El 2:Non Traditional Machining Processes	2	0	0	2	2	3	70	30	20	0	120
MEPR-206 B	El 2:Quality Engineering & Management	2	0	0	2	2	3	70	30	20	0	120
MEPR-206 C	El 2:Flexible Manufacturing Systems	2	0	0	2	2	3	70	30	20	0	120
MEPR-207	Seminar	0	0	2	2	1	0	0	0	60	100	160
Total		20	0	12	32	26	18	420	180	180	250	1030

Master of Engineering (Mechanical-Production Engineering) 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	
MEPR-301	Tool & Die Design	4	0	2	6	5	3	70	30	20	30	150
MEPR-302 A	El 1: Experimental Techniques And Data Analysis	3	0	2	5	4	3	70	30	20	30	150
MEPR-302 B	El 1: Optimization Techniques	3	0	2	5	4	3	70	30	20	30	150
MEPR-302 C	El 1: Rapid Prototyping & Tooling System	3	0	2	5	4	3	70	30	20	30	150
MEPR-302 D	El 1: Machine Tool Dynamics	3	0	2	5	4	3	70	30	20	30	150
MEPR-303 A	El 2:Mechatronics	3	0	0	3	3	3	70	30	20	0	120
MEPR-303 B	El 2:Plastic Processing	3	0	0	3	3	3	70	30	20	0	120
MEPR-303 C	El 2:Surface Treatment Processes	3	0	0	3	3	3	70	30	20	0	120
MEPR-303 D	El 2:Industrial Tribology	3	0	0	3	3	3	70	30	20	0	120
MEPR-303 E	El 2:Piping System Design	3	0	0	3	3	3	70	30	20	0	120
MEPR-304	DISSERTATION PHASE-I	0	0	17	17	17	0	0	0	50	150	200
Total		10	0	21	31	29	9	210	90	110	210	620

Master of Engineering (Mechanical-Production Engineering) 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	
MEPR-401	Mid-Semester THESIS PROGRESS REVIEW	0	0	15	15	15	0	0	0	50	150	200
MEPR-402	DISSERTATION PHASE-II	0	0	15	15	15	0	0	0	50	150	200
Total		0	0	30	30	30	0	0	0	100	300	400