Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		Norm			ation %)
Code					GPA	NGPA	GPA	NGPA	CA	WE
Semester 1										
ME1032	Mechanics	С	2.0	3/4	2.0	-			20	80
CE1022	Fluid Mechanics	С	2.0	3/4	2.0	-			20	80
CS1032	Programming Fundamentals	С	2.0	3/1	3.0	-			60	40
EE1012	Electrical Engineering	С	2.0	3/4	2.0	-			20	80
EL1012	Language Skill Enhancement I	С	1.0	3/1	1.0	-			20	80
MA1013	Mathematics	С	3.0	1/1	3.0	-			20	80
MN1012	Engineering in Context	С	2.0	-	-	1.0			30	70
MT1022	Properties of Materials	С	2.0	3/4	2.0	-	15.0	1.0	20	80
	Total for Semester 1				15.0	1.0				
Semester 2										
ME1100	Mechanics of Materials I	С	1.5	3/2	2.0	-			30	70
ME1090	Engineering Drawing & Computer Aided Modelling	С	2.0	3/1	3.0	-			100	-
ME1052	Fundamentals of Engineering Thermodynamics	С	2.5	3/2	3.0	-			30	70
ME1070	Manufacturing Technology	С	1.0	3/1+3/2(A)	-	2.5			100	-
ME2040	Fundamentals of Mechatronics	С	1.0	3/1	2.0	-			40	60
EL1022	Language Skill Enhancement II	С	-	3/1	1.0	-			30	70
EN1802	Basic Electronics	С	2.0	3/4	2.0	-			40	60
MA1023	Methods of Mathematics	С	3.0	1/1	3.0	-			30	70
MT1812	Engineering Materials	С	1.5	3/2	2.0	-	18.0	2.5	30	70
MN1030	Entrepreneurship Skill Development	0	0.5	3/2	-	1.0	0.0	0.0	100	-
Total for Semester 2							18.0	2.5		
Semester 3	<u> </u>			<b>I</b>		ı	-		г	
ME2010	Fluid Dynamics	С	2.5	3/2	3.0	-			30	70
ME2023	Manufacturing Engineering I	С	3.0	3/1	4.0	-			30	70
ME2092	Mechanics of Machines I	С	3.5	3/2	4.0	-			30	70
EE2803	Applied Electricity	С	1.5	3/2	2.0	-	22.0	0.0	30	70

EN2852	Applied Electronics	С	1.5	3/2	2.0	-			40	60
MA2013	Differential Equations	С	2.0	-	2.0	-			30	70
MA2023	Calculus	С	2.0	-	2.0	-			30	70
ME2260	Embedded Systems	С	2.0	3/1	3.0	-			40	60
CS2882	Object Oriented Programming Using C++	0	2.0	3/1	3.0	-			30	70
MN1030	Entrepreneurship Skill Development	0	0.5	3/2	-	1.0	0.0	0.0	100	-
				Tot	al for Se	mester 3	22.0	0.0		
Semester 4			T	Γ	ı	T				
ME2050	Mechanics of Machines II	С	2.5	3/2	3.0	-			30	70
ME2060	Mechanics of Materials II	С	3.5	3/2	4.0	-			30	70
ME2160	Introduction to Automotive Engineering	С	1.5	3/2	2.0	-			30	70
ME2170	Manufacturing Engineering II	С	3.5	3/2	4.0	-			40	60
ME2080	Design of Machine Elements	С	2.0	3/1	3.0	-			40	60
ME2280	Sensors/Actuators and Smart Systems	С	2.0	3/1	3.0	-			40	60
MA2033	Linear Algebra	С	2.0	-	2.0	-	24.0	2.0	30	70
ME2920	Social Community Project - Mechatronics	С	1.0	3/1	-	2.0	21.0	2.0	100	-
CH2803	Process Engineering	0	1.5	3/2	2.0	-			30	70
MA2053	Graph Theory	0	2.0	-	2.0	-			30	70
MN2010	Entrepreneurial Leadership	0	1.5	3/2	2.0		0.0	0.0	50	50
				Total	for Ser	nester 4	21.0	2.0		
Module Code	Module Name	Category	Lectures hrs/week	Lab/ Assignments	Cre	Credits N		Norm		tion (%)
			s, week	hrs/weeks	GPA	NGPA	GPA	NGPA	CA	WE
Semester 5		1 -		0.44						
ME3240	Control Systems	С	2.0	3/1	3.0	-			40	60
ME3022	Fluid Power Systems & Machinery	С	3.5	3/2	4.0	-			30	70
MA3013	Applied Statistics	С	2.0	-	2.0	-			30	70
MN3042	Business Economics and Financial Accounting	С	2.5	3/2	3.0	-			30	70
MA3023	Numerical Methods	С	2.0	-	2.0	-	21.0	0.0	30	70
ME3260	Mechatronic System Design Project	С	3.0	3/1	4.0	-			100	0
ME3270	Virtual Instrumentation	С	2.0	3/1	3.0	-			40	60

Revised date: 03/06/2016, Effective from 2015 batch

MN3010	Multidisciplinary Design Innovation and Venture Creation	0	1.5	3/2	2.0	_			50	50
MN3052	Industrial Management and Marketing	0	2.5	3/2	3.0	-	0.0	0.0	30	70
		•		Total	for Ser	nester 5	21.0	0.0		
ME3992	Industrial Training	С	-	-	-	6.0	0.0	6.0		
							0.0	6.0		
Semester 6			T		ı		1		1	Г
ME3911	Project Methodology and Communication	С	1.5	3/2	-	2.0	0.0	2.0	100	-
ME4202	Design/Research Project**	С	-	-	2.0	-	2.0	0.0	100	-
DE2xxx	Humanities Elective I*	Е			2.0	-	2.0	0.0		
DE2xxx	Humanities Elective II*	E			2.0	-	2.0	0.0		-
			Total for Semester 6					2.0		
Module		Category	Lectures hrs/week	Lab/ Assignments hrs/weeks	Credits		No	orm		
Code	Module Name				_					tion (%)
Semester 7				IIIS/ WEEKS	GPA	NGPA	GPA	NGPA	CA	WE
ME4202	Design/Research Project**	С	_	_	4.0	_			100	_
	Micro/Nano Electro Mechanical Systems and			_						
ME4310	Nanotechnology	С	2.0	3/1	3.0	-			40	60
ME4090	Industrial Automation	С	2.0	3/1	3.0	-			60	40
MN4900	Professional Ethics	С	1.0	-	-	1.0				
ME4903	Industrial Visits and Guest Lectures II	С	-	3/2	-	0.5	10.0	1.5	100	-
ME4242	Energy Technology & Environment	E	2.5	3/2	3.0	-			30	70
ME4332	Computer Aided Design & Manufacture	Е	3.0	3/1	4.0	-			30	70
MN4122	Human Resource Management and Industrial Relations	Е	2.0	-	2.0	-			30	70
ME4452	Industrial Project Management	Е	3.5	3/2	4.0	-			40	60
ME4710	Aircraft Technology	Е	2.5	3/2	3.0	-			30	70
ME4422	Energy Conservation	Е	2.5	3/2	3.0	-			40	60
MA4013	Linear Models & Multivariate Statistics	Е	3.0	-	3.0	-			30	70
MA4033	Time Series & Stochastic Process	Е	3.0	-	3.0	-			30	70
ME4620	Biomedical Engineering Applications	Е	2.5	3/2	3.0	-	6.0	0.0	30	70

MN3020	Entrepreneurship Business Basics	О	2.0	3/1	3.0	_			50	50
MN4030	Strategic Enterprise Management	0	1.5	3/2	2.0	-			40	60
MN4042	Technology Management	0	1.5	3/2	2.0	-	0.0	0.0	30	70
Total for Semester 7							16.0	1.5		
Semester 8	Semester 8									
ME4180	Intelligent Systems	С	2.0	3/1	3.0	-			40	60
ME4190	Robotics and Autonomous Systems	С	2.0	3/1	3.0	-			40	60
ME4202	Design/Research Project**	С	-	-	4.0	-	10.0	0.0	100	-
ME4392	Advanced Aspects of Manufacturing	Е	2.5	3/2	3.0	-			30	70
ME4662	Die and Mould Design	Е	2.5	3/2	3.0	-			30	70
ME4072	Industrial Engineering	Е	3.5	3/2	4.0	-			30	70
ME4672	Control Systems Design	Е	2.5	3/2	3.0	-			30	70
ME4632	Automotive Engineering	Е	3.5	3/2	4.0	-			30	70
ME4652	Marine Engineering & Naval Architecture	Е	3.5	3/2	4.0	-			30	70
ME4432	Computational Fluid Dynamics	Е	2.5	3/2	3.0	-			50	50
ME4472	Computer Aided Engineering	Е	2.5	3/2	3.0	-			30	70
MA4043	Neural Network and Fuzzy Logic	Е	3.0	-	3.0	-	6.0	0.0	30	70
MN4072	Small Business Management Entrepreneurship	0	1.5	3/2	2.0	-			30	70
MN4010	Business Plan Development	0	1.5	3/2	2.0	-			70	30
MN4170	Global Entrepreneurship	0	1.5	3/2	2.0	-	0.0	0.0	40	60
Total for Semester 8										
Total for the programme										

<sup>\*</sup> Compulsory elective modules selected from a basket

<sup>\*\*</sup> Module continued in three semesters:6, 7 and 8 and the results are counted at the end of Semester 08 only