Module	Module Name	Category	Lectures	Lab/ Assignm	Cr	edits	Norm		Evaluation(%)	
Code			hrs/week	hrs/weeks	GPA	NGPA	GPA	NGPA	CA	WE
Semester 1										
MA1013	Mathematics	C	3.0	1/1	3.0				20	80
CS1032	Programming Fundamentals	C	2.0	3/1	3.0				20	80
ME1032	Mechanics	C	2.0	3/4	2.0				20	80
MT1022	Properties of Materials	C	2.0	3/4	2.0				20	80
CE1022	Fluid Mechanics	С	2.0	3/4	2.0				20	80
EE1012	Electrical Engineering	C	2.0	3/4	2.0				20	80
EL1012	Language Skill Enhancement I	C	-	3/1	1.0		15.0		20	80
MN1012	Engineering in Context	C	1.0	-		1.0		1.0	30	70
			Tota	l for Semester 1			15.0	1.0		
Semester 2										
CS2222	Principles of Embedded Systems Programming	C	2.0	3/1	3.0				40	60
CS2022	Data Structures and Algorithms	C	2.0	3/2	2.5				40	60
CS2052	Computer Architecture	C	2.0	3/1	3.0				40	60
EN1012	Electronic Devices and Circuits	C	2.0	-	2.0				40	60
MA1032	Numerical Methods for Computer Science	C	3.0	-	3.0				30	70
EE2093	Theory of Electricity	C	2.0	-	2.0				30	70
CS2952	Communication Skills	С	0.5	3/1	1.5		17.0		80	20
CS1962	Engineering Skill Development	С	0.5	3/1		1.5		1.5	100	_
DE2xxx	Humanities Elective I	Е			2.0		2.0			
Total for Semester 2						19.0	1.5			

Module	Module Name	Category	Lectures	Lab/ Assignm	Cr	edits	Norm		Evaluation(%)	
Code			hrs/week	hrs/weeks	GPA	NGPA	GPA	NGPA	CA	WE
Semester 3										
CS2032	Principles of Computer Communication	С	2.0	3/1	3.0				40	60
CS2232	Real Time Operating Systems	С	2.0	3/2	2.5				40	60
CS2242	Embedded Software Development	С	2.0	3/1	3.0				40	60
EN2022	Digital Electronics	С	2.0	3/2	2.5				30	70
CE1822	Aspects of Civil Engineering	С	2.0	-	2.0				30	70
ME1822	Basic Engineering Thermodynamics	С	1.5	3/2	2.0				30	70
MA2053	Graph Theory	С	2.0	-	2.0				30	70
MA2073	Calculus for System Modelling	С	2.0	-	2.0		19.0		30	70
CS2972	Automation Challenge I	С	-	3/1		1.0			100	-
CS2963	Presentation Skills	С	-	3/1		1.0		2.0	100	-
			Tota	l for Semester 3			19.0	2.0		
Semester 4										
CS3252	Industrial Computer Engineering	С	2.0	3/1	3.0				40	60
CS3262	Embedded Networks	С	2.0	3/1	3.0				40	60
CS3272	Embedded Database Systems	С	2.0	3/1	3.0				40	60
MA2033	Linear Algebra	С	2.0	-	2.0				30	70
MA2063	Differential Equations and Applications	С	2.0	-	2.0				30	70
ME1802	Introduction to Manufacturing Engineering	С	2.0	3/2	2.5				30	70
EN2062	Signals &Systems	С	2.0	3/2	2.5		18.0		30	70
CS2982	Automation Challenge II	С	-	3/1		1.0			100	-
CS3953	Technical Writing	С	0.5	3/1		1.5		2.5	100	-
		-	Tota	l for Semester 4		-	18.0	2.5		

Module	Module Name	Category	Lectures	Lab/ Assignm	Credits		Norm		Evaluation(%)	
Code			hrs/week	hrs/weeks	GPA	NGPA	GPA	NGPA	CA	WE
Semester 5										
CS3282	Industrial Computer Engineering Project	С		6/1	2.0				100	-
CS3052	Computer Security	С	2.0	-	2.0				40	60
CS3242	Micro-controllers and Applications	С	2.0	3/1	3.0				40	60
CS3322	Computer-integrated Control System Applications	С	2.0	-	2.0				40	60
MN3042	Business Economics &Financial Accounting	С	3.0	-	3.0				30	70
CS3612	Intelligent Systems	С	2.0	3/1	3.0				40	60
CS3332	Industrial Instrumentation &Control	С	2.0	3/1	3.0				40	60
MA3013	Applied Statistics	С	2.0	-	2.0		20.0		30	70
			Tota	l for Semester 5			20.0	0.0		
Industrial Tr	raining									
CS3992	Industrial Training	С	-	-		6.0		6.0	100	-
		7	Total for Ind	lustrial Training			0.0	6.0		
Semester 6										
CS4012	Professional Practice	C	2.0	-	2.0				30	70
CS3962	Research and Report Writing	C	0.5	3/2	1.0		3.0		80	20
CS3412	Advanced Networking	Е	2.0	3/1	3.0				40	60
CS3712	Image Processing	Е	2.0	3/1	3.0				40	60
CS4232	Formal Methods in Software Engineering	Е	2.0	3/1	3.0				40	60
CS4242	Human Computer Interaction	Е	2.0	3/1	3.0		3.0		40	60
DE2xxx	Humanities Elective II	Е			2.0		2.0			
				Semester 6			8.0	0.0		

Module	Module Name	Category	Lectures	Lab/ Assignm	Credits		Norm		Evaluation(%)	
Code			hrs/week	hrs/weeks	GPA	NGPA	GPA	NGPA	CA	WE
Semester 7										
CS4202	Research and Development Project	C			5.0				100	-
CS4362	Hardware Description Languages	С	2.0	3/1	3.0				40	60
CS4372	Machine Vision	С	2.0	3/1	3.0				40	60
MN4062	Organizational Behavior and Management	С	2.0	-	2.0		13.0		30	70
CS4322	Digital System Design	Е	2.0	3/1	3.0				40	60
CS4492	Wireless and Broadband Networking	Е	2.0	3/1	3.0				40	60
CS4432	Network and System Administration	Е	2.0	3/1	3.0				40	60
CS4642	Data Mining &Information Retrieval	Е	2.0	3/1	3.0				40	60
CS4732	Computer Graphics	Е	2.0	3/1	3.0		6.0	0.0	40	60
			Total	for Semester 7			19.0	0.0		
Semester 8										
CS4202	Research and Development Project	C			5.0				100	-
CS4352	Robotics and Automation	C	2.0	3/1	3.0				50	50
MN4122	Human Resource Management & Industrial relations	C	2.0	-	2.0		10.0		30	70
CS4242	Human Computer Interaction	Е	2.0	3/1	3.0				40	60
CS4462	Computer & Network Security	Е	2.0	3/1	3.0				40	60
CS4332	Computer Aided Digital Design	Е	2.0	3/1	3.0				40	60
CS4472	Mobile Computing	Е	2.0	3/1	3.0				50	50
CS4262	Distributed Systems	Е	2.0	3/1	3.0		6.0		50	50
MA4013	Linear Models and Multivariate Statistics	Е	3.0	-	3.0				30	70
MA4023	Operational Research	Е	3.0	-	3.0				30	70
MA4033	Time Series &Stochastic Process	Е	3.0	-	3.0		3.0	0.0	30	70
	Total for Semester 8						19.0	0.0		
	Total for the Programme						137.0	13.0		