Course Name I P C Category Calculus 3 0 3 BSC Engineering Mechanics 3 0 3 BSC Computational Engineering / 3 0 3 BEC Basic Electrical & Electronics Engineering 3 0 3 DES / Science and Engineering Design/ 3 0 3 DES / Science and Engineering of Materials BEC BEC English for Communication 2 0 2 HMC Engineering Skills Practice 0 3 2 BEC Materials & Mechanics Practice 0 3 2 BEC Materials & Mechanics Practice 0 3 2 BEC Materials BEC Total 23 Engineering Graphics 1 3 3 BEC Engineering Craphics 1 3 3 BEC Engineering Craphics 3 0 3 BEC Cores Name I P C Category Diff	(According to 28 th Senate meeting held on 23.12.2015) Semester 1						
Calculus303BSCEngineering Mechanics303BSCComputational Engineering / Basic Electrical & Electronics Engineering303BEC / BECConcepts in Engineering Obsign / Science and Engineering of Materials303DES / BECEnglish for Communication2022HMCEarth, Environment & Design / 		I	Р	С	Category		
Engineering Mechanics303BSCComputational Engineering / Basic Electrical & Electronics Engineering303BEC / BECConcepts in Engineering Design/ Science and Engineering of Materials303DES / BECEngish for Communication202HMCEarth, Environment & Design/ Professional Ethics for Engineers032BECMaterials & Mechanics Practice032BECMaterials & Mechanics Practice032BECComputational Engineering Practice/ Measurement & Data Analysis Practice032BECComputational Engineering Craphics133BECComputational Engineering133BECComputational Engineering Practice/ Measurement & Data Analysis Practice133BECTotal222CCCategoryDifferential Equations303BEC / BECComputational Engineering303BEC / BECComputational Engineering Of Materials / Computational Engineering Of Materials / Computational Engineering Practice/303BEC / BESDesign History202DESDESProfessional Ethics for Engineers/ Engineering Electromagentics Practice/032BECIndustrial Design Sketching032BESDesign Realization03 </td <td></td> <td></td> <td></td> <td></td> <td></td>							
Computational Engineering / Basic Electrical & Electronics Engineering303BEC / BECConcepts in Engineering Design / Science and Engineering of Materials303DES / BECEnglish for Communication202HMCEarth, Environment & Design / Professional Ethics for Engineering Skills Practice032BECMaterials & Mechanics Practice032BECBECMaterials & Mechanics Practice032BECBECComputational Engineering Practice/ Engineering Graphics032BECTotal2323ECTotal23ECCourse NameIPCCategoryDifferential Equations303BECConcepts in Engineering of Materials / Computational Engineering of Materials / Computational Engineering of Materials / Concepts in Engineering of Materials / Concepts in Engineering Design303BEC /Professional Ethics for Engineers/ Earth, Environment & Design303BEC /DESProfessional Ethics for Engineers/ Computational Engineering Practice032BEC /Professional Ethics for Engineers/ Computational Engineering Practice032BEC /Professional Ethics for Engineers/ Engineering Electronagentics Practice032BEC /Professional Ethics for Engineers/ Engineering Practice032DESDesign Realiz	Engineering Mechanics	3	0	3			
Concepts in Engineering Design/ Science and Engineering of Materials303DES / BECEnglish for Communication202HMCEarth, Environment & Design/ Professional Ethics for Engineers032BECMaterials & Mechanics Practice032BECComputational Engineering Practice/ Measurement & Data Analysis Practice032BECEngineering Graphics133BECDESTotal133BECDESCourse NameIPCCategoryDifferential EquationsBSCEngineering Electronagentics303BSCBECComputational Engineering303BECDESConcepts in Engineering Computational Engineering303BEC /Computational Engineering303BEC /Differential EquationsBEC /Science and Engineering of Materials / Concepts in Engineering Design303BEC /DESProfessional Ethics for Engineers/ Earth, Environment & Data Analysis Practice/ Computational Engineering Practice032DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032DESDesign Realization032DESDESMeasurement & Data Analysis Practice/ Computational Engineering Practice032DESIndustrial Design Sketching <td>Computational Engineering /</td> <td>3</td> <td>0</td> <td>3</td> <td>BEC /</td>	Computational Engineering /	3	0	3	BEC /		
Science and Engineering of MaterialsIBECEnglish for Communication202HMCEarth, Environment & Design/2P/FDES /Professional Ethics for Engineers032BECMaterials & Mechanics Practice032BECMaterials & Mechanics Practice032BECMaterials & Mechanics Practice032BECMaterials & Mechanics Practice032BECComputational Engineering Practice/033BECTotal133BECTotal23Curse NameIPCCategoryDifferential Equations303BEC/Computational EngineeringScience and Engineering Design303BEC/Computational Engineering Of Materials /303BEC/Concepts in Engineering Design202DESDESDESDesign History202DESDESDESMeasurement & Data Analysis Practice/032BECDESIndustrial Design Stetching032DESDESDesign Realization032DESDESDesign Realization032DESDESDesign Realization303BECDESDesign Realization303DESDES					BEC		
Science and Engineering of MaterialsIBECEnglish for Communication202HMCEarth, Environment & Design/2P/FDES /Professional Ethics for Engineers032BECMaterials & Mechanics Practice032BECMaterials & Mechanics Practice032BECMaterials & Mechanics Practice032BECMaterials & Mechanics Practice032BECComputational Engineering Practice/033BECTotal133BECTotal23Curse NameIPCCategoryDifferential Equations303BEC/Computational EngineeringScience and Engineering Design303BEC/Computational Engineering Of Materials /303BEC/Concepts in Engineering Design202DESDESDESDesign History202DESDESDESMeasurement & Data Analysis Practice/032BECDESIndustrial Design Stetching032DESDESDesign Realization032DESDESDesign Realization032DESDESDesign Realization303BECDESDesign Realization303DESDES)))))))))))))))))))))))))))))))))))))))	3	0	3	DES /		
English for Communication202HMCEarth, Environment & Design/ Professional Ethics for Engineers2P/FDES / DES / HMCEngineering Skills Practice032BECMaterials & Mechanics Practice032BEC / BSCComputational Engineering Practice/ Measurement & Data Analysis Practice032BEC / BSCEngineering Graphics133BECTotal232323Course NameIPCCategoryDifferential Equations303BSCBasic Electronagentics303BEC / BEC / Computational Engineering303Course NameIPCCategoryBEC / BEC / Computational Engineering303BEC / BEC / DessConcepts in Engineering of Materials / Concepts in Engineering Design303BEC / BESDesign History202DESDESMeasurement & Data Analysis Practice/ Computational Engineering Practice032DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032DESMeasurement & Data Analysis Practice032DESMeasurement & Data Analysis Practice032DES					BEC		
Earth, Environment & Design/ Professional Ethics for Engineers2P/FDES / HMCEngineering Skills Practice032BECMaterials & Mechanics Practice/ Computational Engineering Practice/032BECMeasurement & Data Analysis Practice133BECEngineering Graphics133BECTotal2323CategorySemester 2Course NameIPCCategoryDifferential Equations303BSCBasic Electrical & Electronics Engineering/ Computational Engineering Of Materials / Concepts in Engineering Design303BEC /Concepts in Engineering Practice/ Concepts in Engineering Practice/ Computational Engineering Practice/303BEC /Design History202DESDESProfessional Ethics for Engineers/ Earth, Environment & Design2032BEC /Industrial Design Sketching032DESDESIndustrial Design Sketching032DESDESDesign Realization032DESDESTotal1PCCategoryDESDesign Realization303BSCDESDesign Realization303DESDESDesign Realization303DESDESDesign Realiza		2	0	2	НМС		
Professional Ethics for EngineersImage: HMCEngineering Skills Practice032BECMaterials & Mechanics Practice032BECComputational Engineering Practice/032BEC/Measurement & Data Analysis Practice133BECEngineering Graphics133BECTotal232Semester 2Course Name1PCCategoryDifferential Equations303BSCEngineering Electromagentics303BEC /Computational Engineering303BEC /Concepts in Engineering Of Materials / Concepts in Engineering Design303BEC /Concepts in Engineering Design202DESDESDesign History202DESDESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BSC /Industrial Design Sketching032DESDESDesign Realization032DESDESTotal1PCCategoryDESDesign Realization032DESDESDesign History2032DESDesign Realization032DESDESDesign Realization032DESTotal1P </td <td></td> <td>2</td> <td></td> <td>P/F</td> <td>DES /</td>		2		P/F	DES /		
Engineering Skills Practice032BECMaterials & Mechanics Practice032BSCComputational Engineering Practice/032BSCMeasurement & Data Analysis Practice1333BECEngineering Graphics1333BECTotal2323CategoryDifferential Equations303BSCEngineering Electromagentics303BSCBSCSemester 2CategoryOurse NameIIPCCategoryDifferential Equations303BSCBasic Electromagentics303BSCSeconcesBECSeconces <td></td> <td></td> <td></td> <td></td> <td>HMC</td>					HMC		
Materials & Mechanics Practice032BSCComputational Engineering Practice/ Measurement & Data Analysis Practice032BEC / BSCEngineering Graphics133BECTotal2323Course NameIPCCategoryDifferential Equations303BSCBasic Electrical & Electronics Engineering/ Computational Engineering of Materials / Concepts in Engineering Design303BEC / BEC / BEC / Concepts in Engineering Design303BEC / BEC / BESDesign History202DESDESProfessional Ethics for Engineers/ Earth, Environment & Design202DESIndustrial Design Realization032BEC / BESDESDesign Realization032DESDESDesign Realization032DESDESTotal2032DESDESDesign Realization032DESDESDesign Realization032DESDESDesign Realization303BECDESDesign Realization303DESDESDesign Realization303DESDESDesign Realization303DESDESDesign Realization303DES <t< td=""><td></td><td>0</td><td>3</td><td>2</td><td></td></t<>		0	3	2			
Computational Engineering Practice/ Measurement & Data Analysis Practice032BEC / BSCEngineering Graphics133BECTotal23Semester 2Course NameIPCCategoryDifferential Equations303BSCEngineering Electromagentics303BSCBasic Electrical & Electronics Engineering/ Computational Engineering of Materials / Concepts in Engineering Design303BEC /Science and Engineering Of Materials / Concepts in Engineering Design303BEC /Professional Ethics for Engineers/ Earth, Environment & Design202DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BSC /Industrial Design Sketching032DESDESIndustrial Design Sketching032DESDESTotal202DESDESDESDesign Realization032DESDESTotal303BSCDESDESDesign Realization032DESDESDesign Realization032DESDESTotal303BSCDESDestreer A1PECCategoryCategoryLinear Algebra303DECDES <td></td> <td>0</td> <td></td> <td></td> <td></td>		0					
Measurement & Data Analysis PracticeI33BBCEngineering Graphics1133BECTotal23Semester 2Course NameIPCCategoryDifferential Equations303BSCEngineering Electronagentics303BSCBasic Electrical & Electronics Engineering/ Computational Engineering303BEC /Concepts in Engineering Design303BEC /Design History202DESProfessional Ethics for Engineers/ Earth, Environment & Design032BSC /Measurement & Data Analysis Practice/ Computational Engineering Practice032BSC /Industrial Design Sketching032DESDESDesign Realization032DESDESDesign Realization032DESDESCourse NameIPCCategoryDESIndustrial Design Sketching032DESDesign Realization032DESDesign Realization0303DESDesign Realization303DESDesign Realization032DESDesign Realization303PECMachanics of Materials303PECBasic Con		-	-				
Engineering Graphics133BECTotal23Semester 2Course NameIPCCategoryDifferential Equations303BSCBasic Electronagentics303BSCBasic Electrical & Electronics Engineering/ Computational Engineering of Materials / Concepts in Engineering Design303BEC /Science and Engineering Design303BEC /DESDesign History202DESDESProfessional Ethics for Engineers/ Earth, Environment & Design202DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BECIndustrial Design Sketching032DESDESDesign Realization032DESDESTotal22202DESDESDesign Realization032DESDESTotal22202DESDESDesign Realization032DESDESTotal20303PECMachine Oraving and Manufacturing Processes303PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECDesign Concepts in Manufacturing Processes303<		0	5	-			
Total2Semester 2Course NameIPCCategoryDifferential Equations303BSCEngineering Electromagentics303BECBasic Electrical & Electronics Engineering/ Computational Engineering of Materials / Concepts in Engineering Design303BECScience and Engineering Design303BECDESDesign History202DESProfessional Ethics for Engineers/ Earth, Environment & Design202DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BECIndustrial Design Sketching032DESDESDesign Realization032DESDESTotal2222DESTotal22DESCourse NameIPCCategoryLinear Algebra303PECLinear Algebra303PECDESDESDESDESCourse NameIPCCategoryCategoryLinear Algebra303PECBasic Concepts in Manufacturing Processes303PECDESDESDESDESDesign Concepts in Manufacturing Processes303PECDESDESDESDESDESDESDESDESDESDES		1	3	3			
Semester 2Course NameIPCCategoryDifferential Equations303BSCEngineering Electromagentics303BSCBasic Electrical & Electronics Engineering/ Computational Engineering of Materials / Concepts in Engineering Design303BEC /Science and Engineering Design303BEC /Concepts in Engineering Design202DESProfessional Ethics for Engineers/ Earth, Environment & Design20P/FDESMeasurement & Data Analysis Practice/ Computational Engineering Practice032DESIndustrial Design Sketching032DESDesign Realization032DESTotal222032DESDesign Realization032DESTotal222032DESDesign Realization032DESThermal Engineering - Concepts and Applications303PECMechanics of Materials303PECMechanics of Materials303PECMechanics of Materials303PECDesign Realization303PECDesign Realization303PECMachine Drawing and Manufacturability Analysis Practice032Machine Drawing and Manufa		-	5	-			
Course NameIPCCategoryDifferential Equations303BSCEngineering Electromagentics303BSCBasic Electrical & Electronics Engineering/ Computational Engineering303BEC /Science and Engineering Obsign303BEC /Concepts in Engineering Design303BEC /Design History202DESProfessional Ethics for Engineers/ Earth, Environment & Design20P/FDESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BSC /Industrial Design Sketching032DESDESIndustrial Design Sketching032DESDESDesign Realization032DESDESTotal2032DESDESDesign Realization032DESDESTotal222DESDESDesign Realization303DECDESInear Algebra303DECDESMechanics of Materials303DESDESMachine Drawing and Manufacturability Analysis Practice032DESMachine Drawing and Manufacturability Analysis Practice032PECMachine Drawing and Manufacturability Analysis Practice03				20			
Differential Equations303BSCEngineering Electromagentics303BSCBasic Electrical & Electronics Engineering/ Computational Engineering303BEC / BECScience and Engineering of Materials / Concepts in Engineering Design303BEC / BECDesign History202DESPorfessional Ethics for Engineers/ Earth, Environment & Design202DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BEC / DESIndustrial Design Sketching032DESDesign Realization032DESDesign Realization032DESDesign Realization032DESDesign Concepts and Applications303BSCDesign Concepts in Manufacturing Processes303PECBasic Concepts in Manufacturability Analysis Practice032DESDesign Concepts in Manufacturability Analysis Practice032PECMachine Drawing and Manufacturability Analysis Practice032PECSystems Thinking for Design202DESDESElectrical Drives132PECSystems Thinking for Design202Machine Drawing and Manufacturability Analysis Practice032PECSystems Thinking for De		Ι	Р	С	Category		
Basic Electrical & Electronics Engineering/ Computational Engineering303BEC / BECScience and Engineering of Materials / Concepts in Engineering Design303BEC / BECDesign History202DESProfessional Ethics for Engineers/ Earth, Environment & Data Analysis Practice/ Computational Engineering Practice032BSC / DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032DESIndustrial Design Sketching032DESDesign Realization032DESTotal2032DESCourse NameIPCCategoryLinear Algebra303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECBasic Concepts in Manufacturing Processes133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202DES	Differential Equations	3	0		U I		
Basic Electrical & Electronics Engineering/ Computational Engineering303BEC / BECScience and Engineering of Materials / Concepts in Engineering Design303BEC / BECDesign History202DESProfessional Ethics for Engineers/ Earth, Environment & Data Analysis Practice/ Computational Engineering Practice032BSC / DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032DESIndustrial Design Sketching032DESDesign Realization032DESTotal2032DESCourse NameIPCCategoryLinear Algebra303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECBasic Concepts in Manufacturing Processes133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202DES		3	0	3	BSC		
Computational Engineering30303BECScience and Engineering of Materials / Concepts in Engineering Design303BEC / DESDesign History20202DESProfessional Ethics for Engineers/ Earth, Environment & Design2020P/FHMC / DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BSC / BECIndustrial Design Sketching032DESDesign Realization032DESTotal032DESSemester 3Course NameIPCCategoryLinear Algebra303PECMachanics of Materials303PECBasic Concepts in Manufacturing Processes303PECBasic Concepts in Manufacturability Analysis Practice032PECProduct Realization Practice032PECMechanics of Materials303PECBasic Concepts in Manufacturability Analysis Practice032PECMachine Drawing and Manufacturability Analysis Practice032PECSystems Thinking for Design202DESEngineering Economics202DES				3	BEC /		
Science and Engineering of Materials / Concepts in Engineering Design303BEC / DESDesign History202DESProfessional Ethics for Engineers/ Earth, Environment & Design20P/FHMC / DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BSC / BECIndustrial Design Sketching032DESDesign Realization032DESTotal032DESSemester 3Course NameIPCCategoryLinear Algebra303PECBasic Concepts in Manufacturing Processes303PECBasic Concepts in Manufacturing Processes303PECBasic Concepts in Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DES		3	0		BEC		
Concepts in Engineering Design303DESDesign History202DESProfessional Ethics for Engineers/ Earth, Environment & Design20P/FHMC / DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BSC / BECIndustrial Design Sketching032DESDesign Realization032DESDesign Realization032DESSemester 3Course NameIPCCategoryLinear Algebra303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECBasic Concepts in Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC	Science and Engineering of Materials /			3	BEC /		
Design History202DESProfessional Ethics for Engineers/ Earth, Environment & Design20P/FHMC / DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BSC / BECIndustrial Design Sketching032DESEngineering Electromagnetics Practice032BSCDesign Realization032DESTotal2032Course NameIPCCategoryLinear Algebra303BSCThermal Engineering - Concepts and Applications303PECBasic Concepts in Manufacturing Processes303PECBasic Concepts in Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC		3	0		DES		
Professional Ethics for Engineers/ Earth, Environment & Design20P/FHMC / DESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BSC / BECIndustrial Design Sketching032DESEngineering Electromagnetics Practice032BSCDesign Realization032DESTotal032DESCourse NameIPCCategoryLinear Algebra303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECBasic Concepts in Manufacturability Analysis Practice032PECMechanics of Materials303PECBasic Concepts in Manufacturability Analysis Practice032PECMachine Drawing and Manufacturability Analysis Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC		2	0	2	DES		
Earth, Environment & Design20P/FDESMeasurement & Data Analysis Practice/ Computational Engineering Practice032BSC / BECIndustrial Design Sketching032DESEngineering Electromagnetics Practice032BSCDesign Realization032DESTotal032DESSemester 3Course NameIPCCategoryLinear Algebra303BSCThermal Engineering - Concepts and Applications303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC	÷ •		_		HMC /		
Computational Engineering Practice032BECIndustrial Design Sketching032DESEngineering Electromagnetics Practice032BSCDesign Realization032DESTotal032DESSemester 3Course NameIPCCategoryLinear Algebra303BSCThermal Engineering - Concepts and Applications303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC		2	0	P/F	DES		
Computational Engineering Practice032BECIndustrial Design Sketching032DESEngineering Electromagnetics Practice032BSCDesign Realization032DESTotal032DESSemester 3Course NameIPCCategoryLinear Algebra303BSCThermal Engineering - Concepts and Applications303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC	Measurement & Data Analysis Practice/		_		BSC /		
Industrial Design Sketching032DESEngineering Electromagnetics Practice032BSCDesign Realization032DESTotal2222Semester 3Course NameIPCCategoryLinear Algebra303BSCThermal Engineering - Concepts and Applications303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202HMC	•	0	3	2	BEC		
Engineering Electromagnetics Practice032BSCDesign Realization032DESTotal2222Semester 3Course NameIPCCategoryLinear Algebra303BSCThermal Engineering - Concepts and Applications303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC		0	3	2	DES		
Total22Semester 3Course NameIPCCategoryLinear Algebra303BSCThermal Engineering - Concepts and Applications303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC	Engineering Electromagnetics Practice	0	3	2	BSC		
Total22Semester 3Course NameIPCCategoryLinear Algebra303BSCThermal Engineering - Concepts and Applications303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC	Design Realization	0	3	2	DES		
Semester 3Course NameIPCCategoryLinear Algebra303BSCThermal Engineering - Concepts and Applications303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC				22			
Linear Algebra303BSCThermal Engineering - Concepts and Applications303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC							
Thermal Engineering - Concepts and Applications303PECMechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC	Course Name		Р	С	Category		
Mechanics of Materials303PECBasic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC	0		-				
Basic Concepts in Manufacturing Processes303PECElectrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC							
Electrical Drives133PECMachine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC							
Machine Drawing and Manufacturability Analysis Practice032PECProduct Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC							
Product Realization Practice032PECSystems Thinking for Design202DESEngineering Economics202HMC							
Systems Thinking for Design202DESEngineering Economics202HMC							
Engineering Economics202HMC							
			-				

Curriculum B.Tech Mechanical Engineering Design and Manufacturing: 2014 Batch onward (According to 28th Senate meeting held on 23.12.2015)

Semester 4				
Course Name	Ι	Р	С	Category
Numerical Methods	3	0	3	BSC
Fluid Mechanics and Heat Transfer	3	0	3	PEC
Kinematics and Dynamics of Mechanisms	3	0	3	PEC
Quality Inspection and Product Validation	3	0	3	PEC
Mechanical Design Practice	0	3	2	PEC
Quality Inspection and Product Validation Practice	0	3	2	PEC
Fluid Mechanics and Heat Transfer Practice	0	3	2	PEC
Designing Intelligent Systems	2	0	2	DES
Sociology of Design	2	0	2	HMC
Total		-	22	
Semester 5				
Course Name	Ι	Р	С	Category
Sustainable Design	2	0	2	DES
Entrepreneurship and Management Functions	2	0	2	HMC
Thermal Energy Systems	3	0	3	PEC
Design of Machine elements	3	0	3	PEC
Automation in Manufacturing	3	0	3	PEC
Sensors and Controls	3	0	3	PEC
Thermal Engineering Practice	0	3	2	PEC
Sensors and Controls Practice	0	3	2	PEC
Manufacturing Automation Practice	0	3	2	PEC
Total	U	5	22	TLC
Semester 6				
Course Name	Ι	Р	С	Category
Design for Quality and reliability	2	0	2	DES
Product Management	2	0	2	HMC
Computational Methods in Engineering	3	0	3	PEC
Computer Aided Design and Manufacturing	3	0	3	PEC
Elective – I	3	0	3	ELE
Elective – II	3	0	3	ELE
Microprocessors and Controllers	1	3	3	PEC
Mechanical Design Simulation Practice	0	3	2	PEC
Product Design Practice	0	3	2	PCD
Total			23	
Semester 7				
Course Name	Ι	Р	С	Category
Internship	0	-	5	PCD
Industrial Engineering	2	0	2	PEC
Free Elective – I	3	0	3	ELE
Design Project	0	6	5	DES
Total			15	
1 otal	· · ·	-		
Semester 8		Р	С	Category
	Ι	r		
Semester 8	I 3	P	3	ELE
Semester 8 CourseName				ELE ELE
Semester 8 CourseName Elective – III Free Elective-II	3	0	3	
Semester 8 CourseName Elective – III	3	0 0	3 3	ELE

*Internship is for a period of 5 months