## DEPARTMENT OF MECHANICAL ENGINEERING

	Curi	riculu	m for	r the j	five ye	ear Dual De	gree program (CIM)							
	Semester I					Semester – II           Course         Course Name         Credit Structure								
Course code	Course Name	C	redit	Struc	ture	Course Code	Course Name	C	Credit Structur					
		L	Т	Р	С			L	Т	Р	С			
MA 105	Calculus	3	1	0	8	MA 106	Linear Algebra	2	0	0	4			
PH 107	Quantum Physics	2	1	0	6	MA 108	Ordinary Differential Equations	2	0	0	4			
CH 105	Organic Chemistry & Inorganic Chemistry	2	0	0	4	PH 108	Electricity and Magnetism	2	1	0	6			
CH 107	Physical Chemistry	2	0	0	4	ME 119	Engineering Graphics & Drawing	0	1	3	5			
CS 101/ BB 101	Computer Programming/ Biology	2	1	0	6	CS 101/ BB 101	Computer Programming/ Biology	2	1	0	6			
ME 113	Workshop Practice	1	0	3	4	CE 102	Engineering Mechanics	2	1	0	6			
PH 117/ CH 117	Physics Lab Chemistry Lab	0	0	3	3	PH 117/ CH 117	Physics Lab Chemistry Lab	0	0	3	3			
NC 101	National Cadet Corps (NCC)	0	0	0	P/NP	NC 102	National Cadet Corps (NCC)	0	0	0	P/NP			
NO 101	National Sports Organization (NSS)	0	0	0	P/NP	NO 102	National Sports Organization (NSS)	0	0	0	P/NP			
NS 101	National Service Scheme (NSS)	0	0	0	P/NP	NS 102	National Service Scheme (NSS)	0	0	0	P/NP			
	Total Credits				35		Total Credits				34			

	Cui	rriculu	m for	the fi	ve ye	ar Dual Deg	ree program (CIM)								
	Semester III					Semester – IV			tStructure						
Course code	Course Name	Cı	Credit StructureCourse CodeCourse Name				Credit Structure								
		L	Т	Р	С			L	Т	Р	С				
ME 201	Solid Mechanics	2	1	0	6	ME 202	Strength of Materials	2	1	0	6				
ME 209	Thermodynamics	2	1	0	6	ME 226	Mechanical Measurement	2	1	0	6				
EE 101	Introduction to Electrical and Electronics Circuits	3	1	0	8	ME 206	Manufacturing Processes I	2	1	0	6				
MM 207	Engineering Metallurgy	2	1	0	6	MA 214	Numerical Analysis	3	1	0	8				
ME 219	Fluid Mechanics	3	1	0	8	ME 224	Fluid Mechanics Lab.	0	0	3	3				
HS 101	Economics	2	1	0	6	ME 218	Solid Mechanics Lab	0	0	3	3				
						ME 213	Manufacturing Practice Lab				5				
Total			1		40	Total				1	37				

Course Name cansfer cessor and Automatic Controls acturing Processes II logy or Sociology	Cr L 2 2 2 3	T T 1 1 1 0	Structo	иге С б б б б	Course Code ME 306 ME 316 ES 200	Course Name         Applied Thermodynamics         Kinematics and Dynamics of Machines         Environmental studies, Sci &	L 2 2	redit S T 1 1	Structu P 0 0	C 6 6
ocessor and Automatic Controls acturing Processes II	2 2 2	1 1 1	0 0 0	6 6 6	ME 316	Kinematics and Dynamics of Machines	2 2	1	0	6
ocessor and Automatic Controls acturing Processes II	2 2	1	0	6 6	ME 316	Kinematics and Dynamics of Machines	2		-	-
cturing Processes II	2	1	0	6				1	0	6
					ES 200	Environmental studios. Sei &	-			
logy or Sociology	3	0	0	6	ES 200	Environmental studies Sei &	-			1
		1				Eng	3	0	0	3
					HS 200	Environmental Studies	3	0	0	3
cturing Processes Lab	0	0	3	3	ME 370	Kinematics and Dynamics of Machines Lab	0	0	3	3
nical Measurements Lab	0	0	3	3	ME 372	Heat Transfer and Metrology Lab	0	0	3	3
nent Elective I	3	0	0	6	ME 308	Industrial Engg. and Operations Research	2	1	0	6
nent Elective II	3	0	0	6	ME 310	Microprocessor and Automatic Controls Lab.	0	0	3	3
					ME714	Computer Integrated Manufacturing	3	0	0	6
r	ical Measurements Lab nent Elective I	ical Measurements Lab 0 nent Elective I 3	ical Measurements Lab 0 0 nent Elective I 3 0	ical Measurements Lab 0 0 3 nent Elective I 3 0 0	ical Measurements Lab 0 0 3 3 nent Elective I 3 0 0 6	ical Measurements Lab 0 0 3 3 ME 372 hent Elective I 3 0 0 6 ME 308 hent Elective II 3 0 0 6 ME 310 ME 714	ical Measurements Lab0033ME 372Heat Transfer and Metrology Labnent Elective I3006ME 308Industrial Engg. and Operations Researchnent Elective II3006ME 310Microprocessor and Automatic Controls Lab.nent Elective II3006ME 310Microprocessor and Automatic Controls Lab.nent Elective II006ME 310Microprocessor and Automatic Controls Lab.nent Elective II0006	LabLabical Measurements Lab0033nent Elective I3006nent Elective II3006ME 310Microprocessor and Automatic Controls Lab.0ME 310ME714Computer Integrated Manufacturing3	LabLabLabLabical Measurements Lab0033nent Elective I3006nent Elective II3006ME 310Microprocessor and Automatic Controls0ME 310ME714Computer Integrated Manufacturing3000	LabLabLabLab003ical Measurements Lab0033ME 372Heat Transfer and Metrology Lab003nent Elective I3006ME 308Industrial Engg. and Operations Research210nent Elective II3006ME 310Microprocessor and Automatic Controls Lab.003ME 310ME714Computer Integrated Manufacturing300

		riculu	m jor	ine ji	ve yeu	r Dual Degree progra										
	Semester VII						Semester – VII	[		P C						
Course code	Course Name	Cr	edit Structure			Course Code	Course Name		Credit Structure							
		L	Т	Р	С			L	Т	Р	С					
ME 423	Machine Design	2	1	2	8	Departm	nent Elective VI	3	0	0	6					
	Department Elective III	3	0	0	6	Departm	nentElective VII	3	0	0	6					
	Department Elective IV	3	0	0	6	Departm	ent Elective VII	3	0	0	6					
	Department Elective V	3	0	0	6		nent Elective IX	3	0	0	6					
	<u>ME 409</u>				6		ent Elective X	3	0	0	6					
	Institute Elective I	3	0	0	6	Institute	Elective II	3	0	0	6					
ME 441	Applied Thermodynamics Lab	0	0	3	3											
Total	** *		1	1	41	Total			[	1	36					

	Cu	rriculu	m for	the fi	ve yea	ır Dual Deg	gree program (CIM)										
	Semester IX						Semester X										
Course code	Course Name	Credit Str			ure	Course Code	Course Name	C	redit S	Structure							
		L	Т	Р	С			L	Т	Р	С						
	Department Elective XI	3	0	0	6	ME	Dual Degree Project (Stage II)	0	0	0	42						
	Department Elective XII	3	0	0	6												
ME	Dual Degree Project (Stage I)	0	0	0	30												
Total		I	1	1	42	Total			1	1	42						