ACADEMIC CURRICULA

UNDERGRADUATE DEGREE PROGRAMMES

Bachelor of Technology

(B.Tech. - Four Years)

(Choice Based Flexible Credit System)

Regulations 2018

Volume - 1

(Revised in March 2019)



SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University u/s 3 of UGC Act, 1956)

Kattankulathur, Kancheepuram District 603203, Tamil Nadu, India

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY Kattankulathur, Kancheepuram District 603203, Tamil Nadu, India

28. B.Tech. in Mechanical Engineering

28. (a) Mission of the Department

Mission Stmt - 1	To impart quality education to produce mechanical engineers and enhance their skills to become world renowned professionals
Mussion Stmt - 7	To establish Centres of Research Excellence to inculcate research acumen in faculty and students on the areas like; machining, bio-
WISSION SUNCE	mechanics, bio-fuels, composites, and energy
Mission Stmt - 3	To provide state-of-the-art education and training programs to the faculty and student fellowship

28. (b) Program Educational Objectives (PEO)

PEO - 1	Practice mechanical engineering in different disciplines towards system design, realization, and manufacturing
PEO - 2	Enhance professional practice to meet the global standards with ethical and social responsibility
PEO - 3	Solve industrial, social, and environmental problems with appropriate techniques and tools
PEO - 4	Work in large cross-functional teams and pursue life-long learning

28. (c) Mission of the Department to Program Educational Objectives (PEO) Mapping

	Mission Stmt 1	Mission Stmt 2	Mission Stmt 3
PEO - 1	Н	Н	Н
PEO - 2	H	H	M
PEO - 3	Н	H	Н
PEO - 4	M	M	Н

H – High Correlation, M – Medium Correlation, L – Low Correlation

28. (d) Mapping Program Educational Objectives (PEO) to Program Learning Outcomes (PLO)

	76					Progra	m Lear	ning Ou	tcomes	(PLO)			- /					
	Graduate Attributes (GA)													Program Specific Outcomes (PSO)				
	Engineering Knowledge	Problem Analysis	Design & Development	Analysis, Design, Research	Modern Tool Usage	Society & Culture	Environment & Sustainability	Ethics	Individual & Team Work	Communication	Project Mgt. & Finance	Life Long Learning	PSO - 1	PSO - 2	PSO - 3			
PEO - 1	Н	Н	Н	Н	М	М	L	Н	Н	Н	L	Н	Н	Н	Н			
PEO - 2	Н	Н	М	М	L	Н	Н	Н	Н	L	L	М	Н	Н	L			
PEO - 3	М	М	М	М	Н	Н	Н	Н	L	М	Н	Н	Н	L	М			
PEO - 4	Н	M	M	М	M	Н	М	М	Н	Н	Н	Н	M	Н	Н			

H – High Correlation, M – Medium Correlation, L – Low Correlation

PSO – Program Specific Outcomes (PSO)

PS() - 1	Ability to Develop and implement new ideas on product design and development with the help of modern computer aided tools, while ensuring best manufacturing practices
PSO - 2	Ability to apply engineering knowledge and design & analysis tools to solve problems in the domains of structural, thermal and fluid mechanics.
PSO - 3	Engage professionally in industries or as an entrepreneur by applying manufacturing and management practices.

28. (e) Program Structure: B.Tech. in Mechanical Engineering

` '						_					
	Humanities & Social Sciences						Basic Science Courses (B)				
	including Management Courses (H)					Course	Course	Hou	rs/ W		_
Course	Course	_	ırs/ V		4	Code	Title	L	Τ	Р	С
Code	Title	L	T	Р	C 3	18PYB101J	Physics: Electromagnetic Theory, Quantum	3	1	2	5
18LEH101J 18LEH102J		2	0	2	3	18CYB101J	Mechanics, Waves and Optics	3	1	2	5
18LEH102J							Calculus and Linear Algebra	3	1	0	4
18LEH104J		2	0	2	3		Advanced Calculus and Complex Analysis	3	1	0	4
18LEH105J		-		-			Transforms and Boundary Value Problems	3	1	0	4
18LEH106J		1					Numerical Methods for Engineers	3	1	0	4
	General Aptitude	0	0	2	1	18BTB101T	Biology	2	0	0	2
	Management Principles for Engineers	2	0	0	2		Waves and Optics	3	1	0	4
	Social Engineering	2	0	0	2		Total Learning Credits				32
18PDH201T	Employability Skills & Practices	0	0	2	1						
	Total Learning Credits				12		Professional Core Courses (C)				
	F :					Course	Course	-	rs/ W		_
0	Engineering Science Courses (S)				1	Code	Title	L	Τ	Р	С
Course	Course	Hou	ırs/ V		4		Thermodynamics	3	1	0	4
Code	Title	L	Τ	Р	C		Fluid Mechanics	3	1	0	4
	Engineering Graphics and Design	1	0	4	3 5		Manufacturing Technology	3	0	2	4
	Basic Civil and Mechanical Engineering Active Learning Laboratory	3	0	2	1		Fluid Dynamics Laboratory Manufacturing Process Laboratory	0	0	2	1
18FFS102L	Electrical and Electronics Eng. Workshop	1	0	4	3		Mechanics of Solids	3	1	0	4
18CSS101.I	Programming for Problem Solving	3	0	4	5		Applied Thermal Engineering	3	1	0	4
	Engineering Mechanics	3	1	0	4		Materials Technology	3	0	0	3
	Total Learning Credits				21		Strength of Materials Laboratory	0	0	2	1
						18MEC110L	Heat Power Laboratory	0	0	2	1
	Open Elective Courses (O)					18MEC111L	Materials Technology Laboratory	0	0	2	1
	(Any 4 Open Elective Courses)						Machines and Mechanisms	3	1	0	4
Course	Course	Ηοι	ırs/ V				Heat and Mass Transfer	3	1	0	4
Code	Title	L	Τ	Р	С		Machine Dynamics Laboratory	0	0	2	1
	Robotics Engineering and Applications	3	0	0	3		Simulation Laboratory	0	0	2	1
	Alternative Sources of Energy	3	0	0	3		Heat and Mass Transfer Laboratory	0	0	0	1
	Energy Systems For Buildings	3	0	0	3	18MEC2061	Metrology and Quality Control	3	0	0	3
	Operations Research	3	0	0	3		Mechanical Engineering Design	3	1	0	4
	Materials Management Environmental Pollution and Abatement	3	0	0	3		CAD / CAM Laboratory	0	0	2	1
	Nano Robotics	3	0	0	3		Automation Laboratory	0	0	2	1
	Automatic Control Systems	3	0	0	3		Metrology and Quality Control Laboratory	0	0	2	1
	Neural Network and Fuzzy Systems	3	0	0	3		Comprehension	0	1	0	1
	Robotic Sensors	3	0	0	3		Total Learning Credits	i			53
18MEO111T	Industrial Engineering	3	0	0	3						
	Production Management	3	0	0	3		Mandatory Courses (M)				
	Design of Experiments	3	0	0	3	Course	Course	_	rs/ W		
	Modern Control Theory	3	0	0	3	Code	Title	L	Τ	Р	С
	Facilities Planning	3	0	0	3		Professional Skills and Practices	0	0	2	0
	Industrial Safety and Environment	3	0	0	3		Competencies in Social Skills	0	0	2	0
	Artificial Intelligence and Expert Systems Micro Controller and Its Application in Robotics	3	0	0	3		Entrepreneurial Skill Development Critical and Creative Thinking Skills				
	Machinery Fault Diagnostics & Signal						Business Basics for Entrepreneurs	0	0	2	0
18MEO119T	Processing	3	0	0	3		Analytical and Logical Thinking Skills				
18MFQ120T	Digital Image Processing and Machine Vision	3	0	0	3		Entrepreneurship Management	0	0	2	0
	Multidisciplinary Design		0				Constitution of India	1	0	0	0
	Total Learning Credits				12		Value Education	1	0	1	0
						18GNM101L	Physical and Mental Health using Yoga	0	0	2	0
	Project Work, Seminar, Internship In					18GNM102L	NSS	0	0	2	0
	Industry / Higher Technical Institutions (P)					18GNM103L					
Course	Course	_	ırs/ V		4	18GNM104L		L.			_
Code	Title	L	Т	Р	С		Indian Traditional Knowledge	1	0	0	0
	Massive Open Online Course - I		_				Indian Art Form	0	0	2	0
18MEP102L	Industrial Training-I	0	0	2	1	IBC YM1011	Environmental Science	1	0	0	0
18MEP103L	Massive Open Opline Course !!										
	Massive Open Online Course - II Industrial Training-II	0	0	2	1						
18MEP105L		U	U	2	1						
	Minor Project										
	Internship (4-6 weeks)	0	0	6	3						
18MEP109L		_	_	00	40						
	Semester Internship	0	0	20	10						
	Total Learning Credits				15						
			_			1					

	Professional Elective Courses (E)									
	(Any 5 Elective Courses)									
Course	Course	Ho		Week		18MEE421T Sustainable Green Manufacturing 3	(0	0	3
Code	Title	L	Т	Р	С	18MEE422T Additive Manufacturing Technology 3	1 (0	0	3
	Sub-Stream : Design					18MEE423T Precision Engineering 3	1 (0	0	3
	Fundamentals of Vibration and Noise	3	0	0	3	18MEE424T Technology of Surface Coating 3		0	0	3
	Industrial Tribology	3	0	0	3	18MEE425T Supply Chain Management 3	1 (0	0	3
	Mechanism Design, Analysis and Synthesis	3	0	0	3	18MEE426T Composite Materials and Mechanics 3		0	0	3
	Design for Manufacturing and Assembly	3	0	0	3	18MEE427T Global Optimization Algorithms 3		0	0	3
	Finite Element Method	3	0	0	3	18MEE428T Simulation of Mechanical Systems		0	0	3
	Advanced Strength of Materials	3	0	0	3	18MEE429T Industry 4.0		0	0	3
18MEE307T	Automotive Engineering	3	0	0	3	18MEE430T TQM and Reliability Engineering		0	0	3
18MEE308T	Foundation Skills in Integrated Product Development	3	0	0	3	18MEE431T Design of Jigs, Fixtures and Press Tools		0	0	3
	Modeling Systems	3	0	0	3	Sub-Stream : Thermal				
	Human Body Mechanics	3	0	0	3	18MEE341T Refrigeration and Air Conditioning Systems	(0	0	3
	Design of Transmission Systems	3	0	0	3	18MEE342T Internal Combustion Engines	(0	0	3
	Optimization in Engineering Design	3	0	0	3	18MEE343T Elements of Space Technology 3	1 (0	0	3
	Tool Engineering Design	3	0	0	3	18MEE344T Energy Engineering and Management 3	; (0	0	3
	Computer Graphics	3	0	0	3	18MEE345T Turbomachines 3	1 (0	0	3
	Fatique, Fracture Mechanics and Creep	3	0	0	3	18MEE346T Thermal Power Systems 3	(0	0	3
	Linear Elasticity	3	0	0	3	18MEE347T Solar Energy Systems 3	1 (0	0	3
	Design of Pressure Vessel and Piping	3	0	0	3	18MEE348T Gas Turbine Technology	1 (0	0	3
	Kinematics and Dynamics Of Robots	3	0	0	3	18MEE349T Solar Energy Utilization	(0	0	3
	Computer Applications in Design	3	0	0	3	18MEE350T Gas Dynamics And Space Propulsion	: (0	0	3
TOWLETOOT	Sub-Stream : Manufacturing	U	U	U		18MEE441T Computational Fluid Dynamics 3	(0	0	3
18MFF321T	Elements of Mechatronics	3	0	0	3	18MEE442T Advanced Engineering Thermodynamics	: (0	0	3
	Fluid Power Control	3	0	0	3	18MEE443T Advanced Fluid Mechanics 3	1 (0	0	3
	Process Planning and Cost Estimation	3	0	0	3	18MEE444T Design of Pumps and Turbines	1 (0	0	3
	Foundry Engineering	3	0	0	3	18MEE445T Thermal Energy Storage Systems 3	1 (0	0	3
	Theory of Metal Forming	3	0	0	3	18MEE446T Design of Heat Exchangers 3	(0	0	3
	Welding Technology	3	0	0	3	18MEE447T Combustion Engineering 3	(0	0	3
	Mechanical Handling Systems and Equipment	3	0	0	3	18MEE448T Sustainable Energy Systems		0	0	3
	Non-Traditional Machining Techniques	3	0	0	3	18MEE449T Fuel Cell Technology 3		0	0	3
	Modern Manufacturing Techniques	3	0	0	3	18MEE450T Modeling of Thermal Systems	(0	0	3
	Flexible Manufacturing Systems	3	0	0	3	All the second s				

28. (f) Program Articulation: B.Tech. in Mechanical Engineering

	** E-17 (15 1)			P	rog	ram	Lea	arniı	ng (Outo	om	es (PLO	D)		
					a.	Grad	uate	Attrib	utes			٠.			PSO	
Course Code	Course Name	Engineering Knowledge	Problem Analysis	Design & Development	Analysis, Design, Research	Modern Tool Usage	Society & Culture	Environment & Sustainability	Ethics	ndividual & Team Work	Communication	Project Mgt. & Finance	ife Long Learning	PS0-1	PSO-2	PSO - 3
18MES101L	Engineering Graphics and Design	Н	Н	М	М	L	L	L	L	L	L	L	Н	М	M	M
18MES102J	Basic Civil and Mechanical Engineering	Н	Н	М	М	М	L	L	L	L	L	L	Н	М	М	М
18MES103L	Civil and Mechanical Engineering Workshop	Н	Н	М	М	М	L	М	М	L	М	L	Н	М	М	L
18MES104L	Active Learning Laboratory	Н	М	М	М	М	L	М	L	М	М	L	Н	Н	Н	Н
18MES201T	Engineering Mechanics	Н	М	М	М	М	L	М	L	М	М	М	Н	Н	Н	Н
18MEC101T	Thermodynamics	Н	Н	М	М	М	L	L	L	М	М	М	М	М	М	М
18MEC102T	Fluid Mechanics	Н	Н	Н	Н	М	L	L	L	М	L	М	Н	L	Н	L
18MEC103T	Manufacturing Technology	Н	Н	М	Н	М	L	М	М	L	L	М	Н	М	L	М
18MEC104L	Fluid Dynamics Laboratory	Н	Н	Н	Н	М	L	L	L	М	М	М	М	L	L	L
18MEC105L	Manufacturing Process Laboratory	Н	Н	Н	Н	М	L	L	L	Н	L	М	Н	Н	Н	L
18MEC106T	Mechanics of Solids	Н	Н	М	Н	М	L	М	М	L	L	М	Н	М	L	М
18MEC107T	Applied Thermal Engineering	Н	Н	М	М	М	L	L	L	М	М	М	М	М	М	М
18MEC108T	Materials Technology	Н	Н	Н	Н	М	М	М	L	L	L	М	М	L	L	L
18MEC109L	Strength of Materials Laboratory	Н	Н	Н	Н	М	L	М	L	Н	L	М	Н	М	Н	L
	Heat Power Laboratory	Н	Н	М	Н	М	L	L	L	М	М	М	Н	М	М	L
	Materials Technology Laboratory	Н	Н	М	М	Н	Н	Н	L	М	L	L	Н	Н	М	М
18MEC201T	Machines and Mechanisms	Н	Н	М	М	М	L	L	L	М	М	М	М	М	М	М
18MEC202T	Heat and Mass Transfer	Н	Н	М	М	М	L	L	L	М	М	Н	М	М	М	М
	Machine Dynamics Laboratory	Н	Н	М	Н	М	L	L	L	М	М	М	Н	М	М	М
18MEC204L	Simulation Laboratory	Н	Н	М	Н	М	L	L	L	М	М	М	Н	М	М	М
18MEC205L	Heat and Mass Transfer Laboratory	Н	Н	М	Н	М	L	L	L	М	М	М	Н	М	М	М
	Metrology and Quality Control	Н	Н	Н	Н	М	М	Н	М	М	М	Н	Н	М	М	Н
18MEC207T	CAD/CAM	Н	Н	Н	Н	L	М	Н	L	L	L	L	Н	М	М	Н
	Mechanical Engineering Design	Н	Н	Н	Н	L	М	Н	L	L	L	L	Н	Н	М	М
	CAD / CAM Laboratory	Н	М	М	М	М	L	М	L	М	М	М	Н	Н	Н	Н
18MEC210L	Automation Laboratory	Н	Н	Н	Н	М	L	L	L	L	L	L	М	М	М	М

18MEC211L	Metrology and Quality Control Laboratory	Н	Н	Н	Н	М	М	Н	L	L	L	L	Н	М	М	М
18MEP101L	Massive Open Online Course - I	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18MEP102L	Industrial Training-I	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18MEP103L	Seminar - I	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18MEP104L	Massive Open Online Course - II	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18MEP105L	Industrial Training-II	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18MEP106L	Seminar - II	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
18MEP107L	Minor Project	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
	Internship (4-6 weeks)	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
18MEP109L	Project	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
18MEP110L	Semester Internship	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М
	Program Average	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н	Н	Н	М	М

28. (g) Implementation Plan: B.Tech. in Mechanical Engineering

II .	Semester - I						Semester - II						
Code	Course Title		ırs/ V		С	Code	Course Title		rs/ W		С		
		L	T	Р	-			L	T	Р			
	Chinese / French / German / Japanese/ Korean Calculus and Linear Algebra	3	0	0	3	18LEH101J	English Advanced Calculus and Complex Analysis	3	0	0	3		
18CYB101J		3	1	2	5		Physics: Electromagnetic Theory, Quantum						
	Programming for Problem Solving	3	0	4	5	18PYB101J	Mechanics, Waves and Optics	3	1	2	5		
	Electrical and Electronics Eng. Workshop	1	0	4	3	18MES101L	Engineering Graphics and Design	1	0	4	3		
	Professional Skills and Practices	0	0	2	0		Basic Civil and Mechanical Engineering	3	1	2	5		
	Value Education	1	0	1	0		Active Learning Laboratory	0	0	2	1		
18GNM102L							General Aptitude	0	0	2	1		
18GNM103L	NCC	0	0	2	0		Constitution of India	1	0	0	0		
18GNM104L					•	18GNM101L	Physical and Mental Health using Yoga	0	0	2	0		
	Total Learning Credits				20		Total Learning Credits	·			22		
	Semester - III						Semester - IV						
Code	Course Title	Hou L	ırs/ V	/eek P	С	Code	Course Title	Hou	rs/ W	eek P	С		
18MAB201T	Transforms and Boundary Value Problems	3	1	0	4	18MAR202T	Numerical Methods for Engineers	3	1	0	4		
	Engineering Mechanics	3	1	0	4	18BTB101T		2	0	0	2		
	Thermodynamics	3	1	0	4		Mechanics of Solids	3	1	0	4		
	Fluid Mechanics	3	1	0	4		Applied Thermal Engineering	3	1	0	4		
	Manufacturing Technology	3	1	0	4		Materials Technology	3	0	0	3		
	Fluid Dynamics Laboratory	0	0	2	1	18MEC109L	Strength of Materials Laboratory	0	0	2	1		
	Manufacturing Process Laboratory	0	0	2	1	18MEC110L	Heat Power Laboratory	0	0	2	1		
	Social Engineering	2	0	0	2		Materials Technology Laboratory	0	0	2	1		
	Competencies in Social Skills	0	0	2	0		Management Principles for Engineers	2	0	0	2		
18PDM203L	Entrepreneurial Skill Development	1	0	0	0		Critical and Creative Thinking Skills	0	0	2	0		
18CYM1011	Environmental Science	I	U	U	24	18PDM204L	Business Basics for Entrepreneurs		U	2			
	Total Learning Credits				24		Total Learning Credits	·			22		
	Semester - V					Semester - VI							
Code	Course Title	Hou	ırs/ V	/eek P	O	Code	Course Title	Hou	rs/ W	eek P	С		
18PYR201T	Waves and Optics	3	1	0	4	18MFC206T	Metrology and Quality Control	3	0	0	3		
	Machines and Mechanisms	3	1	0	4	18MEC207T		3	0	0	3		
	Heat and Mass Transfer	3	1	0	4		Mechanical Engineering Design	3	1	0	4		
	Machine Dynamics Laboratory	0	0	2	1		CAD / CAM Laboratory	0	0	2	1		
	Simulation Laboratory	0	0	2	1		Automation Laboratory	0	0	2	1		
18MEC205L	Heat and Mass Transfer Laboratory	0	0	2	1		Metrology and Quality Control Laboratory	0	0	2	1		
	Professional Elective – 1	3	0	0	3	18MEC350T	Comprehension	0	1	0	1		
	Professional Elective – 2	3	0	0	3		Professional Elective – 3	3	0	0	3		
	Open Elective – 1	3	0	0	3		Open Elective – 2	3	0	0	3		
1011501011	Massive Open Online Course - I		0	2			Massive Open Online Course - II		0				
TOWEPTUIL			()	')		1 1 2 1 1 1 1 1 1 1 1	Industrial Training-II			2	1		
18MEP102L	Industrial Training-I	0	U	2	1			0	U		1		
18MEP102L 18MEP103L	Industrial Training-I Seminar - I	U	U	۷	1	18MEP106L	Seminar - II			0			
18MEP102L 18MEP103L 18PDM301L	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills	0	0	2	0	18MEP106L 18PDH201T	Seminar - II Employability Skills and Practices	0	0	2			
18MEP102L 18MEP103L 18PDM301L 18PDM302L	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management	0	0	2	0	18MEP106L 18PDH201T	Seminar - II Employability Skills and Practices Indian Traditional Knowledge	0		2	0		
18MEP102L 18MEP103L 18PDM301L 18PDM302L	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form	0			0	18MEP106L 18PDH201T	Seminar - II Employability Skills and Practices	0	0				
18MEP102L 18MEP103L 18PDM301L 18PDM302L	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits	0	0	2	0	18MEP106L 18PDH201T	Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits	0	0		0		
18MEP102L 18MEP103L 18PDM301L 18PDM302L 18LEM110L	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII	0	0	2	0 0 25	18MEP106L 18PDH201T 18LEM109T	Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII	0 1	0	0	<i>0</i> 22		
18MEP102L 18MEP103L 18PDM301L 18PDM302L	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title	0 0 Hou	0 0 urs/ W	2 2 /eek P	0 0 25 C	18MEP106L 18PDH201T 18LEM109T	Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title	0 1	0	0	0		
18MEP102L 18MEP103L 18PDM301L 18PDM302L 18LEM110L	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Professional Elective - 4	0 0 Hou L 3	0 0 irs/ W T 0	2 2 /eek P	0 0 25 C	18MEP106L 18PDH201T 18LEM109T Code 18MEP109L	Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title Project	O 1 Hou L	0 0 rs/ W	eek P	0 22 C		
18MEP102L 18MEP103L 18PDM301L 18PDM302L 18LEM110L	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Professional Elective - 4 Professional Elective - 5	0 0 Hou L 3 3	0 0 urs/ W T 0 0	2 2 /eek P 0	0 0 25 C 3 3	18MEP106L 18PDH201T 18LEM109T Code 18MEP109L	Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title	0 1	0 0	0 eek	<i>0</i> 22		
18MEP102L 18MEP103L 18PDM301L 18PDM302L 18LEM110L	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Professional Elective – 4 Professional Elective – 5 Open Elective – 3	0 0 L 3 3	0 0 0 Irs/ W T 0 0	2 2 /eek P 0 0	0 0 25 C 3 3	18MEP106L 18PDH201T 18LEM109T Code 18MEP109L	Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title Project	O 1 Hou L	0 0 rs/ W	eek P	0 22 C		
18MEP102L 18MEP103L 18PDM301L 18PDM302L 18LEM110L	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Professional Elective - 4 Professional Elective - 5 Open Elective - 3 Open Elective - 4	0 0 Hou L 3 3	0 0 urs/ W T 0 0	2 2 /eek P 0	0 0 25 C 3 3	18MEP106L 18PDH201T 18LEM109T Code 18MEP109L	Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title Project	O 1 Hou L	0 0 rs/ W	eek P	0 22 C		
18MEP102L 18MEP103L 18PDM301L 18PDM302L 18LEM110L Code	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Professional Elective - 4 Professional Elective - 5 Open Elective - 3 Open Elective - 4 Minor Project	0 0 L 3 3	0 0 0 Irs/ W T 0 0	2 2 /eek P 0 0	0 0 25 C 3 3	18MEP106L 18PDH201T 18LEM109T Code 18MEP109L	Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title Project	O 1 Hou L	0 0 rs/ W	eek P	0 22 C		
18MEP102L 18MEP103L 18PDM301L 18PDM302L 18LEM110L Code	Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Professional Elective - 4 Professional Elective - 5 Open Elective - 3 Open Elective - 4	0 0 L 3 3 3	0 0 0 Irs/ W	2 2 2 //eek P 0 0 0	0 0 25 C 3 3 3	18MEP106L 18PDH201T 18LEM109T Code 18MEP109L	Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title Project	Hou L	0 0 rs/ W	eek P	0 22 C		