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



3. B.Tech. in Automobile Engineering with Specialization in Automotive Electronics

3. (a) Mission of the Department

Mission Stmt - 1	To impart students with quality education centered on altering global requirements and add values to their career desires
Mission Stmt - 2	To enhance the knowledge and skill of students in collaboration with public and private sectors
Mission Stmt - 3	To identify and acknowledge economic, social and environmental issues that influences the quality of life in the vicinity and the globe
Mission Stmt - 4	To inculcate leadership qualities needed for automotive industries through robust curriculum with international outlook for sustainable
IVIISSION SUM - 4	future
Mission Stmt - 5	To build trust and co-operation at the workplace through effective inter-personal and communication skills

3. (b) Program Educational Objectives (PEO)

PEO - 1	To provide an overall knowledge about the application of electrical and electronics in automotive systems
PEO - 2	To make the students understand the use of sensors, actuators, signal conditioners, controls and software for automotive applications.
PEO - 3	To understand the importance and procedure of fault diagnostics and data logging for automotive field.
PEO - 4	To expose the students to advanced requirements in industry like autonomous, inter and intra-vehicular communications protocols, hybrid
PEU - 4	vehicles technologies, model based system design and associated technologies
PEO - 5	To get exposure to the modern automobiles and contributing to the challenges of the society in terms of research and entrepreneurship.

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

	Mission Stmt 1	Mission Stmt 2	Mission Stmt 3	Mission Stmt 4	Mission Stmt 5
PEO - 1	Н	Н	M	M	Н
PEO - 2	Н	M	M	M	M
PEO - 3	Н	Н	10 10 E	M	L
PEO - 4	Н	M	H	Н	M
PEO - 5	Н	М	Н	H	М

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

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

					25	Progra	am Lear	ning Ou	tcomes	(PLO)			-		
				V H	Gra	aduate At	tributes (C	GA)						gram S <mark>pe</mark> comes (P	
	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	L	М	М	Н	L	L	М	М	Н	L	Н	Н	М	Н
PEO - 2	Н	Н	М	Н	М	L	L	L	Н	М	М	Н	М	М	Н
PEO - 3	Н	Н	Н	Н	Н	Н	Н	Н	Н	М	М	Н	Н	Н	Н
PEO - 4	L	М	L	Ĺ	М	L	М	Н	Н	Н	М	М	М	М	Ĺ
PEO - 5	М	М	М	М	М	Н	М	Н	Н	М	М	М	М	М	М

H – High Correlation, M – Medium Correlation, L – Low Correlation, PSO – Program Specific Outcomes (PSO)

PSO – Program Specific Outcomes (PSO)

PSO - 1	Students gain knowledge and expertise in the field of electrical and electronics related to automotive systems
PSO - 2	Ability to understand recent technological developments in Automotive electronics and develop products to cater the societal and industrial needs
PSO - 3	Assess society needs and develop constructive and creative solutions for problems related to Automotive Electronics

3. (e) Program Structure: B.Tech. in Automobile Engineering with Specialization in **Automotive Electronics**

Course	_	Humanities & Social Sciences						Basic Science Courses (B)				
Code							Course		Ноц	ırs/ V	/eek	
Title	Course		Hou	ırs/ W	/eek				_			С
	Code	Title	L	Τ	Р	С			_			
	18LEH101J	English	2	0	2		18PYB101J	Mechanics, Waves and Optics	3	1	2	5
IRLEH105 German	18LEH102J	Chinese					18CYB101J		3	1	2	5
										1	0	4
	18LEH104J	German	2	0	2	3						
## Part	18LEH105J	Japanese										
## Popting ##										_	_	
							18BTB101T		2	0	0	
Total Learning Credits								Total Learning Credits				28
Total Learning Credits												
Course	18PDH2011			0	2							
Codure		Total Learning Credits				12		Professional Core Courses (C)				
Course							Course	Course	Hou		eek	
Title			1				Code	Title	_	Τ	Р	С
18MES1011_ Engineering Graphics and Design			Hou			_	15MEC101T		3	1	0	4
Industry Industrial Training-1			Ĺ				18AUC2011		3	0	2	4
							10/10/02/013	Ü	J	0	_	,
Total Learning Credits 10 4 5 18AUS101L Artifact Dissection Laboratory 0 0 2 1 18MES2017 Engineering Mechanics 3 1 0 4 5 18AUS101L Artifact Dissection Laboratory 0 0 2 1 18MES2017 Engineering Mechanics 3 1 0 4 5 18AUS101L Artifact Dissection Laboratory 0 0 2 1 18MES2017 Engineering Mechanics 3 1 0 4 5 18AUS101L Artifact Dissection Laboratory 0 0 2 1 18AUS2017 Engineering Mechanics 3 1 0 4 5 18AUS2017 Engineering Mechanics							18AUC2041		0	0	4	2
18AUS101L Artifact Dissection Laboratory 0 0 2 1 18MES201T Engineering Mechanics 3 1 0 4										-	-	
BMES2017 Engineering Mechanics				_			18MEC106T	Mechanics of Solids	3	1	0	4
Total Learning Credits							18AUC203T	Applied Thermal Engineering for Automotive	3	1	0	4
Project Work, Seminar, Internship In	18MES2011		-	I	U			Engineers		_	^	
Project Work, Seminar, Internship In Industry Higher Technical Institutions (P) Course Course Course Title L T P C T BAUP101L Massive Open Online Course - I T T T T T T T T T		Total Learning Credits				21						
RAUP101 Rassive Open Online Course Title L T P C RAUP102 Industrial Training-I Sample Course RAUP102 Industrial Training-I Sample Course RAUP102 Industrial Training-I Sample Course Industrial Training-I Sample Course Industrial Training-I Sample Course Industrial Training-I Sample Course Industrial Training-I Industr		Paris at Mark Comings Internation In										
Course												
Code			Ш۵	uro/	Maak	1						
18AUP1011 Massive Open Online Course - I 18AUP1021 Industrial Training-I 18AUP1032 Seminar - I 18AUP1032 Seminar - I 18AUP1052 Industrial Training-I 0			I	_		_				_		
Tabur Tabu			L	<u> </u>	Г	U						
18AUP103L Seminar - I	10AUP101L	Industrial Training I	٨	١	1	1						
18AUP104L Massive Open Online Course - II 18AUP105L Industrial Training-II 0 0 2 1 18AUP105L Industrial Training-II 0 0 0 2 1 18AUP105L Industrial Training-II 0 0 0 2 1 18AUP105L Industrial Training-II 0 0 0 0 3 18AUP105L Industrial Training-II 0 0 0 0 0 3 18AUP105L Industrial Training-II 0 0 0 0 0 0 0 0 0			U	0	4	'						
18AUP105L Industrial Training-II						1						
Tabup Total Learning Credits Total Lea			n	10	2	1						
18AUP107L Minor Project			-	0	-	'				-		
18AUP108L Internship (4-6 weeks) 0 0 0 0 0 0 0 0 18AUP109L Project Total Learning Credits 15 Total Learning Credits 15 Total Learning Credits												
Total Learning Credits Total Learning Cred	18ALIP108L	Internshin (4-6 weeks)	0	0	6	3						
Total Learning Credits 15 Total Learning Credits 15 Total Learning Credits 15	18AUP109L	Project	_	١.		T						57
Course			0	0	20	10						
Course C					-	15		114				
Course												
Course		Open Elective Courses										
Code								Mandatany Courses (M)				
Total Learning Credits Code Title Code Title Code Title Code Title Code Title Title Code Title Title Code Title Title Code Title Code Title Title Code Title Code Title Code Title Title Code Title Title Code Title Code Title Title Code Title Title Code Title Title Code Title Tit	Course	Course	Hou	rs/ W	/eek		Code		Т	Т	D	
18AUO1017 Hybrid and Electric Vehicles	Code	Title	L	Τ	Р	С			0	١	_	
Table 10 Table 2 Tab	18AUO101T	Hybrid and Electric Vehicles	3	0	0	3						
18AUO103T Special Type of Vehicles 3 0 0 3 18AUO104T Fuel Cells and Applications 3 0 0 3 18AUO105T Transport Management 3 0 0 3 18AUO105T Composite Material for Automobile Applications 3 0 0 3 18AUO107T Non Destructive Testing and evaluation 3 0 0 3 18AUO108T Advanced engine technology 3 0 0 3 18AUO109T New Product Development 3 0 0 3 18AUO110T Automotive standards and regulations 3 0 0 3 18AUO111T Automotive standards and regulations 3 0 0 3 18AUO112T Intelligent Vehicle Technology 3 0 0 3 18EEM105T Indian Traditional Knowledge 1 0 0 0 18EEM10L Indian Art Form 0 0 2 0	18AUO102T	Renewable Sources of Energy	3	0	0	3			0	0	2	0
18AUO1041 Fuel Cells and Applications 3 0 0 3 3 18AUO105T Transport Management 3 0 0 3 3 18AUO106T Composite Material for Automobile Applications 3 0 0 3 3 18AUO107T Non Destructive Testing and evaluation 3 0 0 3 18AUO108T Advanced engine technology 3 0 0 3 18AUO109T New Product Development 3 0 0 3 18AUO110T Automotive standards and regulations 3 0 0 3 18AUO111T Automotive standards and regulations 3 0 0 3 18AUO112T Intelligent Vehicle Technology 3 0 0 3 18UEM102 VISC 18EM102 VISC VISC				0								
Transport Management 3 0 0 0 3 18AUO106T Composite Material for Automobile Applications 3 0 0 0 3 18AUO107T Non Destructive Testing and evaluation 3 0 0 0 3 18AUO108T Advanced engine technology 3 0 0 3 3 18AUO109T New Product Development 3 0 0 0 3 18AUO110T Automotive standards and regulations 3 0 0 0 3 18AUO111T Automotive Sciences 3 0 0 0 3 18AUO112T Intelligent Vehicle Technology 3 0 0 0 3 18AUO112T Intelligent Vehicle Technology 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									0	0	2	0
18AUO1077 Non Destructive Testing and evaluation 3 0 0 3 3 18AUO108T Advanced engine technology 3 0 0 3 3 18AUO109T New Product Development 3 0 0 3 18AUO110T Automotive standards and regulations 3 0 0 3 18AUO111T Automotive Sciences 3 0 0 3 18AUO112T Intelligent Vehicle Technology 3 0 0 3 18GNM103L NCC 18GNM103L NSC 18GNM104L NSO 18LEM102T Indian Traditional Knowledge 1 0 0 0 0 0 0 0 0 0				_	-	3						
Total Learning Credits 18 18 18 18 18 18 18 1									0	0	2	0
18AUO1087 Advanced engine technology									1	0	0	0
18AUO1107 New Product Development	18AUO108T	Advanced engine technology		_								
18AUO1101 Automotive standards and regulations 3 0 0 3 18AUO111T Automotive Sciences 3 0 0 3 18AUO112T Intelligent Vehicle Technology 3 0 0 3 18AUO112T Intelligent Vehicle Technology 9 18EM109T Indian Traditional Knowledge 1 0 0 0 0 0 0 0 0 0	18AUO109T	New Product Development										
Total Learning Credits 3 0 0 3 18GNM103L NCC 18GNM103L NCC 18GNM104L NSO 18LEM109T Indian Traditional Knowledge 1 0 0 2 0 18LEM110L Indian Art Form 0 0 2 0 0 0 0 0 0 0							18	,				
18AU01121 Intelligent Vehicle Technology									0	0	2	0
18LEM109T Indian Traditional Knowledge	18AUO112T		_	0	0							
18LEM110L Indian Art Form 0 0 2 0		Total Learning Credits				y			1	0	0	0
18CYM101T Environmental Science 1 0 0 0							18LEM110L	Indian Art Form				0
							18CYM101T	Environmental Science	1	0	0	0
							1					

	Professional Elective Courses (E) (Any 6 Courses)						Professional Elective Courses (E) (Any 6 Courses)				
Course	Course	Ηοι	ırs/ W	/eek		Course	Course	Ηοι	urs/ V	Veek	ļ
Code	Title	L	Т	Р	С	Code	Title	L	T	Р	С
18AUE202T	Sensors, Actuators and Signal Conditioners	3	0	0	3	18AUE411T	Power Electronics for Electric Vehicle Application	3	0	0	3
4041/50441	Analog and Digital circuits for Automotive	_	_	_	_	18AUE412T	State Space Analysis and Digital Control System	3	0	0	3
	Applications	2	0	2	3	18AUE413T	Model Based System Design	3	0	0	3
18AUE311T	Principles of Linear Systems and Signals	3	0	0	3	18AUE414J	Modelling and Control of Electric and Hybrid	2	0	2	3
18AUE312T	Automotive Infotronics	3	0	0	3	10AUL4143	Vehicles	2	U	4	J
18AUE313T	Artificial Neural Networks and Fuzzy Logic	3	0	0	3	18AUE415T	Vehicle Stability and Control Systems	3	0	0	3
18AUE314T	CAD and Simulation for Electronics	3	0	0	3		Automotive Fault Diagnostics	3	0	0	3
18AUE316J	Automotive Microcontrollers	2	0	2	3	18AUE417T	Electronic Engine Management System	3	0	0	3
	Automotive control engineering	2	0	2	3	18AUE455T	Machine Learning Approach for Automotive Applications	3	0	0	3

Program Articulation: B.Tech. in Automobile Engineering with Specialization in 3. (f) **Automotive Electronics**

				Pr	ograr	n Le	arn	ing	0	utco	ome	s (F	PLO)		
		1	<i>(</i> '	7	Gra	aduate	Attı	ribute	es						PSO	
Course Code	Course Name	Engineering Knowledge	Problem Analysis	Design & Development	Analysis, Design, Research	Modern Tool Usage	Society &	Environment & Sustainability	Ethics	Individual & Team Work	Communicatio n	Project Mgt. & Finance	Life Long Learning	PSO-1	PSO-2	PSO-3
	Artifact Dissection Laboratory	Н	М	L	Н	Н	L		М	Н	М	L	Н	Н	М	Н
	Manufacturing Technology for Automotive Engineers	Н	М	М	М	Н	L	М	М	Н	М	М	Н	Н	Н	Н
	Applied Thermal Engineering for Automotive Engineers	Н	М	L	L	М	L	М	М	Н	Н	М	Н	Н	Н	Н
	Automotive Components and Assembly drawing	Н	L	Н	L	М	L	L	М	Н	Н	L	Н	Н	Н	Н
	Automotive Engines	Н	Н	М	М	М	L	М	L	М	Н	L	Н	Н	Н	Н
	Vehicular Structures and Driveline Systems	Н	Н	М	М	М	L	М	L	М	Н	L	Н	Н	Н	Н
18AUC303J	Automotive Electrical and Electronic Systems	Н	Н	М	М	М	L	М	Μ	Н	М	Μ	Н	Н	Н	Н
18AUC304J	CAD Analysis for Automotive Engineers	Н	Н	Н	Н	L	L	L	L	М	Н	L	М	Н	Н	М
18AUC305T	Design of Automotive Components	Н	Н	Н	Н	М	L	L	L	М	М	L	М	Н	Н	М
18AUC401J	Vehicle Dynamics	Н	Н	Н	Н	Н	М	М	Μ	Н	М	М	_ M	Н	Н	Н
18AUC402L	Vehicle Testing Laboratory	Н	Н	Н	Н	Н	М	М	Μ	Н	Μ	М	М	Н	Н	Н
18AUE202T	Sensors, Actuators and Signal Conditioners	Н	Н	Н	Н	М	L	L	М	Н	М	М	Н	Н	М	М
18AUE211J	Analog and Digital circuits for Automotive Applications	H	Н	Н	Н	М	L	L	M	Н	М	М	Н	Н	М	М
18AUE311T	Principles of Linear Systems and Signals	Н	Н	М	Н	М	L	М	Μ	М	М	М	Н	Н	М	Н
18AUE312T	Automotive Infotronics	Н	Н	М	М	Н	Н	Н	M	М	М	М	М	Н	М	Н
18AUE313T	Artificial Neural Networks And Fuzzy Logic	Н	Н	Н	Н	Н	Н	М	Μ	М	М	М	Н	М	М	М
18AUE314T	CAD and Simulation for Electronics	Н	Н	Н	H	Н	Н	Н	М	Н	М	Н	М	Н	Н	М
18AUE316J	Automotive Microcontrollers	Н	Н	Н	Н	Н	М	М	М	Н	Н	М	Н	Н	Н	Н
18AUE317J	Automotive control engineering	Н	Н	М	Н	Н	Н	Н	М	Н	М	М	Н	Н	Н	Н
	Power Electronics for Electric Vehicle Application	Н	Н	М	Н	Н	Н	Н	М	Н	М	М	Н	Н	Н	Н
	State Space Analysis And Digital Control System	Н	Н	Н	Н	Н	Н	Н	Н	Н	M	L	Н	Н	Н	Н
	Model Based System Design	Н	Н	Н	Н	Н	Н	Н	Н	Н	М	L	Н	Н	Н	Н
	Modelling and Control of Electric and Hybrid Vehicles	Н	Н	Н	Н	Н	Н	Н	Н	Н	Н	М	М	Н	Н	Н
	Vehicle Stability and Control Systems	Н	Н	М	Н	Н	Н	Н	М	Н	М	М	Н	Н	Н	Н
	Automotive Fault Diagnostics	Н	Н	М	Н	Н	Н	Н	М	Н	М	М	Н	Н	Н	Н
	Electronic Engine Management System	Н	Н	Н	Н	Н	Н		М	Н	М	М	Н	Н	Н	Н
	Machine Learning Approach for Automotive Applications	H	Н	Н	Н	М	Н		М	М	М	М	Н	Н	Н	Н
	Hybrid and Electric Vehicles	Н	Н	Н	Н	М	М		M	М	М	L	М	Н	М	Н
	Renewable Sources of Energy	Н	М	Н	Н	М	L		М	М	М	L	Н	Н	Н	М
	Special Type of Vehicles	Н	Н	Н	Н	М	М		М	М	М	L	М	Н	М	Н
	Fuel Cells and Applications	Н	М	Н	Н	М	L		М	М	М	L	Н	Н	Н	М
	Transport Management	Н	Н	Н	Н	М	М		М	М	М	L	М	Н	М	Н
	Composite Materials for Automotive Applications	Н	М	Н	Н	М	L	Н	М	М	М	L	Н	Н	Н	М
	Non Destructive Testing and evaluation	Н	Н	Н	Н	М	М		М	М	М	L	М	Н	М	Н
	Advanced engine technology	Н	М	Н	Н	М	L		М	М	М	L	Н	Н	Н	М
	New Product Development	Н	Н	Н	Н	М	М		М	М	М	L	М	Н	М	Н
	Automotive standards and regulations	Н	Н	Н	Н	Н	М		М	Н	М	M	Н	Н	М	Н
	Automotive Sciences	Н	Н	Н	Н	Н	М		М	Н	М	М	Н	H	М	Н
	Intelligent Vehicle Technology	Н	L	L	L	Н	Н	Н	Н	М	М	М	М	М	М	М
	Massive Open Online Course - I	Н	М	М	М	М	М	М	М	Н	Н	Н	М	Н	Н	Н
	Industrial Training-I	Н	M	M	М	М	М	М	М	Н	H	Н	M	H	Н	Н
18AUP103L		Н	Н	Н	Н	Н	М	М	Н	Н	H	Н	Н	H	М	М
	Massive Open Online Course - II	Н	М	М	М	М	M		М	Н	H	Н	М	H	Н	Н
	Industrial Training-II	Н	Н	Н	Н	Н	M	М	Н	Н	H	Н	Н	H	М	М
18AUP106L		Н	Н	Н	Н	Н	M	M	Н	Н	Н	Н	Н	Н	M	М
	Minor Project	Н	М	М	M	M	M		М	Н	H	Н	М	H	Н	Н
	Internship (4-6 weeks)	Н	М	М	M	M	M		М	Н	Н	Н	М	H	Н	Н
	Project	Н	М	М	M	M	M	М	М	Н	<u>п</u> Н	Н	M	<u>п</u> Н	Н	Н
	Semester Internship	Н	M	M	M	M	M	M	М	Н	Н	Н	M	Н	Н	Н
TUAUFITUL	Program Average	Н	Н	Н	Н	H	М		М	М	<u>п</u> М	М	M	<u>п</u> Н	Н	Н
L	riogiaiii Aveidye	П	П	П	П	П	IVI	П	IVI	IVI	IVI	IVI	IVI	П	п	П

 $H-High\ Correlation,\ M-Medium\ Correlation,\ L-Low\ Correlation$

3. (g) Implementation Plan: B.Tech. in Automobile Engineering with Specialization in **Automotive Electronics**

	Semester - I						Semester - II				
Code	Course Title	Hou	rs/ V	leek P	С	Code	Course Title	Hou	ırs/ V T	/eek	С
18LEH10XJ	Chinese / French / German / Japanese/ Korean	2	0	2	3	18LEH101J	English	2	0	2	3
	Calculus and Linear Algebra	3	1	0	4	18MAB102T	Advanced Calculus and Complex Analysis	3	1	0	4
18CYB101J		3	1	2	5	18PYB101J	Physics: Electromagnetic Theory, Quantum	3	1	2	5
	Programming for Problem Solving	3	0	4	5		Mechanics, Waves and Optics				
	Electrical and Electronics Eng. Workshop	1	0	4	3		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		Artifact Dissection Laboratory	0	0	2	1
18GNM102L							General Aptitude	0	0	2	1
18GNM103L		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	i			20		Total Learning Credits	i			22
	Semester - III						Semester - IV				
Code	Course Title	Hou	rs/ V T	leek P	С	Code	Course Title	Hou	irs/ V T	/eek	С
18MAB201T	Transforms and Boundary Value Problems	3	1	0	4	18MAB202T	Numerical Methods for Engineers	3	1	0	4
	Engineering Mechanics	3	1	0	4	18BTB101T	Biology	2	0	0	2
	Thermodynamics	3	1	0	4	18AUC203T	Applied Thermal Engineering for Automotive	3	1	0	4
	Manufacturing Technology for Automotive Engineers	3	0	2	4		Engineers Mechanics of Solids	3	1	0	4
	Automotive Components and Assembly						Fluid Mechanics	3	1	0	4
18AUC204L	drawing	0	0	4	2		Fluid Dynamics Laboratory	0	0	2	1
18PDH103T	Social Engineering	2	0	0	2		Strength of Materials Laboratory	0	0	2	1
	Competencies in Social Skills						Management Principles for Engineers	2	0	0	2
	Entrepreneurial Skill Development	0	0	2	0		Critical and Creative Thinking Skills				
	Environmental Science	1	0	0	0		Business Basics for Entrepreneurs	0	0	2	0
	Semester - V	T	-				Semester - VI		(1)		
Code	Course Title	L	rs/ V	Р	С	Code	Course Title	L	ırs/ V	Р	С
18AUC301J	Course Title Automotive Engines	L 3	T 0	P 2	4	18AUC302J	Course Title Vehicular Structures and Driveline systems	L 3	T 0	P 2	4
18AUC301J 18MEC201T	Course Title Automotive Engines Machines and Mechanisms	3 3	T 0 1	P 2 0	4	18AUC302J 18AUC303J	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems	3 3	T 0 0	P 2 2	4
18AUC301J 18MEC201T 18MEC108T	Course Title Automotive Engines Machines and Mechanisms Materials Technology	3 3 3	T 0 1	P 2 0 0	4 3	18AUC302J 18AUC303J 18AUC304J	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers	3 3 3	T 0 0	P 2 2 2	4 4
18AUC301J 18MEC201T 18MEC108T 18MEC111L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory	3 3 3 0	T 0 1 0	P 2 0 0 2	4 4 3 1	18AUC302J 18AUC303J 18AUC304J 18AUC305T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components	3 3 3 3	T 0 0 0	P 2 2 2 0	4 4 4 3
18AUC301J 18MEC201T 18MEC108T 18MEC111L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1	L 3 3 0 3	T 0 1 0 0 0 0	P 2 0 0 2 2 0	4 4 3 1 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension	L 3 3 3 0	T 0 0 0 0	P 2 2 2 0 0	4 4 4 3 1
18AUC301J 18MEC201T 18MEC108T 18MEC111L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2	3 3 3 0 3 3	T 0 1 0 0 0	P 2 0 0 2 0 0 0	4 4 3 1 3 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3	L 3 3 3 0 3	T 0 0 0 0 0 1 0 0	P 2 2 2 0 0 0 0	4 4 4 3 1 3
18AUC301J 18MEC201T 18MEC108T 18MEC111L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1	L 3 3 0 3	T 0 1 0 0 0 0	P 2 0 0 2 2 0	4 4 3 1 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2	L 3 3 3 0	T 0 0 0 0	P 2 2 2 0 0	4 4 4 3 1
18AUC301J 18MEC201T 18MEC108T 18MEC111L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I	3 3 3 0 3 3 3	T 0 1 0 0 0 0	P 2 0 0 0 2 0 0 0 0	4 4 3 1 3 3 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II	L 3 3 3 0 3 3 3	T 0 0 0 0 1 0	P 2 2 0 0 0 0 0 0	4 4 4 3 1 3 3 3
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I	3 3 3 0 3 3	T 0 1 0 0 0	P 2 0 0 2 0 0 0	4 4 3 1 3 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II	L 3 3 3 0 3	T 0 0 0 0 0 1 0 0	P 2 2 2 0 0 0 0	4 4 4 3 1 3
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I	3 3 3 0 3 3 3	T 0 1 0 0 0 0	P 2 0 0 0 2 0 0 0 0	4 4 3 1 3 3 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUP104L 18AUP105L 18AUP106L	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II	L 3 3 3 0 3 3 0	T 0 0 0 0 0 1 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2	4 4 4 3 1 3 3 1
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L 18PDM301L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills	3 3 3 0 3 3 3	T 0 1 0 0 0 0	P 2 0 0 0 2 0 0 0 0	4 4 3 1 3 3 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP104L 18AUP105L 18AUP106L 18PDH201T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices	3 3 3 0 3 3 0 0	T 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2	4 4 4 3 1 3 3 1
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L 18PDM301L 18PDM302L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management	3 3 3 0 3 3 3 3 0	T 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 0 0 0 0 0 0 2 2 2 2 2	4 4 3 1 3 3 3 1 0	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP104L 18AUP105L 18AUP106L 18PDH201T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge	3 3 3 0 3 3 0 0	T 0 0 0 0 0 1 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2	4 4 4 3 1 3 3 1 1
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L 18PDM301L 18PDM302L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form	L 3 3 3 0 3 3 3 0 0 0 0	T 0 1 0 0 0 0 0 0 0 0	P 2 0 0 0 2 0 0 0 0 2 2 0 2	4 4 3 1 3 3 3 1 0	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP104L 18AUP105L 18AUP106L 18PDH201T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices	3 3 3 0 3 3 0 0	T 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2	4 4 4 3 1 3 3 1
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L 18PDM301L 18PDM302L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management	L 3 3 3 0 3 3 3 0 0 0 0	T 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 0 0 0 0 0 0 2 2 2 2 2	4 4 3 1 3 3 3 1 0	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP104L 18AUP105L 18AUP106L 18PDH201T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge	3 3 3 0 3 3 0 0	T 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2	4 4 4 3 1 3 3 1 1
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L 18PDM301L 18PDM302L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form	L 3 3 3 0 3 3 3 3 0 0 0 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 0 0 0 0 0 0 2 2 2 2 2 2	4 4 3 1 3 3 3 1 0	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP104L 18AUP105L 18AUP106L 18PDH201T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits	3 3 3 0 3 3 0 0	T 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2	4 4 4 3 1 3 3 1 1
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L 18PDM301L 18PDM302L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits	L 3 3 3 0 0 3 3 3 3 0 0 0 0 0 0 0 0 0 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 0 0 0 2 0 0 0 2 2 2 2 2 2	4 4 3 1 3 3 3 1 0	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP104L 18AUP105L 18AUP106L 18PDH201T 18LEM109T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits	L 3 3 3 0 3 3 0 0 0	T 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 2 0 0 0 0 0 2 2 2 0 0	4 4 4 4 3 1 3 3 1 1 0 24
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L 18PDM301L 18PDM302L 18LEM110L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title	3 3 3 3 3 3 3 3 3 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	P 2 0 0 0 0 0 0 0 2 2 2 2 2 Veek P	4 4 3 1 3 3 3 1 0 0 22	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP104L 18AUP105L 18AUP106L 18PDH201T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits	L 3 3 3 0 3 3 0 0 0	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 2 0 0 0 0 0 2 2 2 0 0	4 4 4 3 1 3 3 1 1
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP103L 18PDM301L 18PDM302L 18LEM110L Code	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title	3 3 3 3 3 3 3 3 3 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	P 2 0 0 0 2 0 0 0 2 2 2 2 2 2 2 2 Veek P 2	4 4 3 1 3 3 3 1 0 0 22	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP104L 18AUP105L 18AUP106L 18PDH201T 18LEM109T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title	3 3 3 0 3 3 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2 2 0 0 0 0 0 0 0 0 0	4 4 4 3 1 3 3 1 1 0 24
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L 18PDM301L 18PDM302L 18LEM110L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Vehicle Dynamics Vehicle Testing laboratory	L 3 3 3 0 0 3 3 3 3 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	P 2 0 0 0 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2	4 4 3 1 3 3 3 1 0 0 0 22	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP105L 18AUP106L 18PDH201T 18LEM109T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title	L 3 3 3 0 3 3 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 2 0 0 0 0 0 2 2 2 0 0 0 0 0 0 0 0	4 4 4 4 3 1 3 3 1 1 0 24
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18MEC111L 18AUP101L 18AUP103L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18LEM110L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Vehicle Dynamics Vehicle Testing laboratory Professional Elective – 4	Hou L 3 3 3 3 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 0 0 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4 4 3 1 3 3 3 1 0 0 0 22 C 4 1 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP105L 18AUP106L 18PDH201T 18LEM109T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title	3 3 3 0 3 3 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2 2 0 0 0 0 0 0 0 0 0	4 4 4 3 1 3 3 1 1 0 24
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP103L 18PDM301L 18PDM301L 18LEM110L Code 18AUC401J 18AUC402L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Vehicle Dynamics Vehicle Testing laboratory Professional Elective – 4 Professional Elective – 5	L 3 3 3 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 0 0 0 0 2 2 2 2 2 2 2 2 2 0 0 0 0 0	4 4 3 1 3 3 3 1 0 0 22 C 4 1 3 3 3 3 3 3 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP105L 18AUP106L 18PDH201T 18LEM109T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title	3 3 3 0 3 3 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2 2 0 0 0 0 0 0 0 0 0	4 4 4 3 1 3 3 1 1 0 24
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP103L 18PDM301L 18PDM301L 18LEM110L Code 18AUC401J 18AUC402L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Vehicle Dynamics Vehicle Testing aboratory Professional Elective – 4 Professional Elective – 5 Professional Elective – 6	L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 0 0 0 0 2 2 2 2 2 2 2 2 2 2 0 0 0 0	4 4 3 1 3 3 3 1 0 0 22 C 4 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP105L 18AUP106L 18PDH201T 18LEM109T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title	3 3 3 0 3 3 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2 2 0 0 0 0 0 0 0 0 0	4 4 4 3 1 3 3 1 1 0 24
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18MEC111L 18AUP102L 18AUP103L 18PDM301L 18PDM302L 18LEM110L Code 18AUC401J 18AUC402L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Vehicle Dynamics Vehicle Testing laboratory Professional Elective – 4 Professional Elective – 5 Professional Elective – 6 Open Elective – 3	L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 0 0 0 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2	4 4 4 3 3 3 3 3 1 0 0 22 2 2 2	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP105L 18AUP106L 18PDH201T 18LEM109T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title	3 3 3 0 3 3 0 0 1	0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2 2 0 0 0 0 0 0 0 0 0	4 4 4 4 3 3 1 1 0 24
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18PDM302L 18LEM110L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Vehicle Dynamics Vehicle Testing laboratory Professional Elective – 4 Professional Elective – 5 Professional Elective – 6 Open Elective – 3 Minor Project	L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	T 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 0 0 0 0 2 2 2 2 2 2 2 2 2 2 0 0 0 0	4 4 3 1 3 3 3 1 0 0 22 C 4 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP105L 18AUP106L 18PDH201T 18LEM109T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title	L 3 3 3 3 0 0 3 3 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2 2 0 0 0 0 0 0 0 0 0	4 4 4 3 1 3 3 1 1 0 24
18AUC301J 18MEC201T 18MEC108T 18MEC111L 18AUP101L 18AUP102L 18AUP103L 18PDM301L 18PDM301L 18PDM301L 18PDM301L 18AUC401J 18AUC401J 18AUC402L	Course Title Automotive Engines Machines and Mechanisms Materials Technology Materials Technology Laboratory Professional Elective – 1 Professional Elective – 2 Open Elective – 1 Massive Open Online Course - I Industrial Training-I Seminar - I Analytical and Logical Thinking Skills Entrepreneurship Management Indian Art Form Total Learning Credits Semester - VII Course Title Vehicle Dynamics Vehicle Testing laboratory Professional Elective – 4 Professional Elective – 5 Professional Elective – 6 Open Elective – 3	L 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	P 2 0 0 0 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2	4 4 4 3 3 3 3 3 1 0 0 22 2 2 2	18AUC302J 18AUC303J 18AUC304J 18AUC305T 18AUC350T 18AUC350T 18AUP105L 18AUP106L 18PDH201T 18LEM109T	Course Title Vehicular Structures and Driveline systems Automotive Electrical and Electronic Systems CAD Analysis for Automotive Engineers Design of Automotive Components Comprehension Professional Elective – 3 Open Elective – 2 Massive Open Online Course - II Industrial Training-II Seminar - II Employability Skills and Practices Indian Traditional Knowledge Total Learning Credits Semester - VIII Course Title Project Semester Internship	L 3 3 3 3 0 0 3 3 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0	P 2 2 0 0 0 0 0 2 2 2 0 0 0 0 0 0 0 0 0	4 4 4 4 3 3 1 1 0 24