	KADI SARVA VISHWAVIDYALAYA, GANDHINAGAR												
Bachelor of Automobile Semester 3 Syllabus													
	Subject Name		Teaching	Scheme		Total -		Ev	valuation S	cheme		Total Marks	
Subject Code		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks		
CC-301A	Differential Equations And Integral transform	3	2	0	5	5	3	70	30	20	0	120	
AE302	Kinematics of Machines	3	0	0	3	3	3	70	30	20	0	120	
AE303	Machining & Casting Processes	4	0	2	6	5	3	70	30	20	30	150	
AE304	Material science and metallurgy	4	0	2	6	5	3	70	30	20	30	150	
AE305	Advance Strength of Material	3	0	2	5	4	3	70	30	20	30	150	
AE306	Engineering Thermodynamics	3	0	0	3	3	3	70	30	20	0	120	
	Total	20	2	6	28	25	18	420	180	120	90	810	

Bachelor of Automobile Semester 4 Syllabus												
Subject Code	Subject Name	Teaching Scheme							Total			
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs	Total Credit	Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	Marks
CC401A	Complex Analysis and Numerical Analysis	3	2	0	5	5	3	70	30	20	0	120
AE402	Electrical Machines and Electronics	3	0	2	5	4	3	70	30	20	30	150
AE403	Non Conventional Energy Sources	3	0	0	3	3	3	70	30	20	0	120
AE404	Industrial drafting & machine design	4	0	2	6	5	3	70	30	20	30	150
AE405	Mechanical Measurement & Metrology	3	0	2	5	4	3	70	30	20	30	150
AE406	Fluid Mechanics	3	0	2	5	4	3	70	30	20	30	150
Total		19	2	8	29	25	18	420	180	120	120	840

	Bachelor of Automobile Semester 5 Syllabus												
	Subject Name		Teaching	g Scheme		Total Credit	Evaluation Scheme					Total	
Subject Code		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL		Theory	Marks	IE	CIA	Practical /	Marks	
			1 (ПГS)	Р (ПІЗ)	Hrs		Hrs	IVIdIKS	Marks	Marks	Viva Marks		
AE501	S.I engine	3	0	2	5	4	3	70	30	20	30	150	
AE502	Automobile engine component design	4	0	2	6	5	3	70	30	20	30	150	
AE503	Automobile fuels and lubricants	3	0	2	5	4	3	70	30	20	30	150	
AE504	Automobile system	3	0	2	5	4	3	70	30	20	30	150	
AE505	Heat & Mass Transfer (common with mechanical)	4	0	2	6	5	3	70	30	20	30	150	
AE506	Automobile chassis and body engineering	3	0	0	3	3	3	70	30	20	0	120	
	Total		0	10	30	25	18	420	180	120	150	870	

	Bachelor of Automobile Semester 6 Syllabus													
	Subject Name		Teaching	Scheme		Total Credit	Evaluation Scheme					Total		
Subject Code		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	Marks		
CC601	Principle of Management	2	0	0	2	2	3	70	30	20	0	120		
AE601	Dynamics of Machinery (common with mechanical)	4	0	2	6	5	3	70	30	20	30	150		
AE602	Electrical and electronics system for automobile	3	0	2	5	4	3	70	30	20	30	150		
AE603	Computer aided design (common with mechanical)	4	0	2	6	5	3	70	30	20	30	150		
AE604	C.I engine	3	0	2	5	4	3	70	30	20	30	150		
AE605	Transport management and laws	4	0	0	4	4	3	70	30	20	0	120		
AE606	Project / Seminar	0	0	2	2	1	0	0	0	20	30	50		
	Total		0	10	30	25	18	420	180	140	150	890		

	Bachelor of Automobile Semester 7 Syllabus													
	Subject Name		Teaching	Scheme		Total		Total						
Subject Code		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs	Credit	Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	Marks		
AE701	Two and three wheeler technology	3	0	2	5	4	3	70	30	20	30	150		
AE702	Automobile pollution and control	3	0	2	5	4	3	70	30	20	30	150		
AE703	Refrigeration and air conditioning (common with mechanical)	4	0	2	6	5	3	70	30	20	30	150		
AE704	<u>Vehicle maintenance</u>	3	0	2	5	4	3	70	30	20	30	150		
AE705	Vehicle dynamics	3	0	2	5	4	3	70	30	20	30	150		
AE706A	Elective-I: Automotive safety	4	0	0	4	4	3	70	30	20	-	120		
AE706B	Elective-I: Fuel cell technology	4	0	0	4	4	3	70	30	20	-	120		
AE706C	Elective-I: Quality & reliability Engineering (common with mechanical)	4	0	0	4	4	3	70	30	20	-	120		
AE706D	Elective-I: alternate fuels and energy system	4	0	0	4	4	3	70	30	20	-	120		
	TOTAL	20	0	10	30	25	18	420	180	120	150	870		

	Bachelor of Automobile Semester 7 Syllabus													
		Teaching Scheme				Total	Evaluation Scheme					Total		
Subject Code	Subject Name	L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs	Credit	Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	Marks		
AE801	Automobile chassis component design	4	0	2	6	5	3	70	30	20	30	150		
AE802	Vehicle Performance	3	1	0	4	4	3	70	30	20	-	120		
AE803	Special purpose vehicles	3	0	2	5	4	3	70	30	20	30	150		
AE804	Project Practice	0	0	16	16	8	-	-		50	100	150		
AE805A	Elective-II: Automobile aerodynamics	4	0	0	4	4	3	70	30	20	-	120		
AE805B	Elective-II: new generation and hybrid vehicles	4	0	0	4	4	3	70	30	20	-	120		
AE805C	Elective-II: Vibration noise and harness control	4	0	0	4	4	3	70	30	20	-	120		
AE805D	Elective-II :automotive hydraulics and pneumatics	4	0	0	4	4	3	70	30	20	-	120		
AE805E	Elective-II: Resource management	4	0	0	4	4	3	70	30	20	-	120		
	TOTAL	14	1	20	35	25	15	350	150	150	190	840		