

<b>DIPLOMA IN AUTOMOBILE ENGINEERING CURRICULUM STRUCTURE</b>											
<b>Semester</b>	<b>Code</b>	<b>Subjects</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>H</b>	<b>TH</b>	<b>TM</b>	<b>PR</b>	<b>TW</b>	<b>TOT</b>
<b>FIRST</b>	GC103	Applied Physics I	3	0	2	5	75	25	-	25	125
	GC102	Engineering Maths I	4	2	0	6	75	25	-	25	125
	GC203	Environmental Studies	4	0	0	4	75	25	-	-	100
	GC101	Communication Skills	0	0	2	2	-	-	25	25	50
	GC107	Basic Engineering Practice (Electronic & Computer)	0	0	4	4	-	-	50	50	100
			11	2	8	21					500
<b>Semester</b>	<b>Code</b>	<b>Subjects</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>H</b>	<b>TH</b>	<b>TM</b>	<b>PR</b>	<b>TW</b>	<b>TOT</b>
<b>SECOND</b>	GC202	Applied Physics II	3	0	2	5	75	25	-	25	125
	GC104	Applied Chemistry	3	0	2	5	75	25	-	25	125
	GC201	Engineering Maths II	4	2	0	6	75	25	-	25	125
	GC205	Engineering Materials	3	0	0	3	75	25	-	-	100
	GC106	Basic Engineering Practice (Mechanical & Electrical)	0	0	5	5	-	-	50	75	125
	GC204	Engineering Drawing	0	0	5	5	-	-	50	50	100
			13	2	14	29					700
<b>Semester</b>	<b>Code</b>	<b>Subjects</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>H</b>	<b>TH</b>	<b>TM</b>	<b>PR</b>	<b>TW</b>	<b>TOT</b>
<b>THIRD</b>	CC301	Engineering Mechanics	3	1	1	5	75	25	-	25	125
	MC302	Manufacturing Processes	3	0	2	5	75	25	-	25	125
	MC301	Machine Drawing	2	0	4	6	75	25	-	50	150
	MC303	Thermal Engineering	3	1	1	5	75	25	-	25	125
	AU301	Garage Equipment	3	0	2	5	75	25	-	25	125
	MC304	Computer Aided Drafting	0	0	4	4	-	-	50	50	100
			14	2	14	30					750
<b>Semester</b>	<b>Code</b>	<b>Subjects</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>H</b>	<b>TH</b>	<b>TM</b>	<b>PR</b>	<b>TW</b>	<b>TOT</b>
<b>FOURTH</b>	MC401	Strength of Materials	3	1	1	5	75	25	-	25	125
	MC402	Mechanical W/S practice	0	0	4	4	-	-	50	50	100
	AU401	Automobile Engines	3	0	2	5	75	25	25	25	150
	AU402	Automobile Transmission Systems	3	0	2	5	75	25	25	25	150
	MC404	Fluid Machinery	3	0	2	5	75	25	-	25	125
	AU403	Organisational Behaviour	4	0	0	4	75	25	-	-	100
			16	1	11	28					750

Directorate of Technical Education, Goa State

Semester	Code	Subjects	L	T	P	H			PR	TW	TOT
<b>FIFTH</b>	AU501	Auto Training I							100	100	200
											Grade
Semester	Code	Subjects	L	T	P	H	TH	TM	PR	TW	TOT
<b>SIXTH</b>	AU601	Automotive Electrical & Electronics Systems	3	0	2	5	75	25	25	25	150
	AU602	Advanced Automobile Engines	3	0	2	5	75	25	25	25	150
	AU603	Automobile Chassis & Body Systems	3	0	2	5	75	25	-	25	125
	AU604	Modern Automotive Systems	3	0	0	3	75	25	-	-	100
		Elective I	3	0	2	5	75	25	25	25	150
	AU605	Automobile Workshop Practice	0	0	5	5	-	-	50	50	100
	AC102	Indian Constitution	2	-	-	2	-	-	-	-	-
			17	0	13	30					775
Semester	Code	Subjects	L	T	P	H	TH	TM	PR	TW	TOT
<b>SEVENTH</b>		Elective II	3	0	2	5	75	25	25	25	150
		Elective III	3	0	2	5	75	25	25	25	150
	AU617	Electric & Hybrid Vehicles	3	0	2	5	75	25	25	-	125
	AU702	Automobile Component Design	3	2	0	5	75	25	-	25	125
	AU703	Automobile Project	0	0	8	8	-	-	50	100	150
	CC501	Entrepreneurship Development	0	0	2	2	-	-	-	25	25
	AC101	Essence of Indian Traditional Knowledge	2	-	-	2	-	-	-	-	-
			14	2	16	32					725
Semester	Code	Subjects	L	T	P	H			PR	TW	TOT
<b>EIGHTH</b>	AU801	Auto Training II							100	100	200
											Grade
L- Lecturers T – Tutorial P – Practical C-Credits TH – Theory Marks TM – Test Marks PR – Practical Marks TW- Term Work Marks											

**Proforma OV**

**LIST OF ELECTIVES**

<b>Groups</b>	<b>Course Code</b>	<b>Elective-I/Elective-II/Elective-III</b>
<b>Elective-I</b>	AU611	Automotive Quality Systems
	CC503	Renewable Energy Systems And Energy Management
	AU620	Automotive Pollution & Control
	AU614	Garage Organisation & Vehicle Laws
<b>Elective-II</b>	AU613	Automotive Sales
	AU615	Automotive Safety & Ergonomics
	AU616	Automotive Insurance
	AU621	Vehicle Aerodynamics & Design
<b>Elective-III</b>	AU619	Automotive Air conditioning
	AU701	Road Transport Management
	MC631	Lean Manufacturing
	AU618	Special Purpose Vehicles