

DEPARTMENT OF AUTOMOBILE ENGINEERING
INDUS INSTITUTE OF TECHNOLOGY (IITE), INDUS UNIVERSITY
Teaching Scheme For batch 2013-2017 (1 to 8 Semester)

I Sem

Sr No	Subject Name	Subject Code	Theory	ABL/TUT	Laboratory	Total Hrs	Total Credits
1	Engineering Mathematics - I	EM101	3	2	0	5	4
2	Engineering Physics	PH102/202	3	0	0	3	3
3	Elements of Mechanical Engg.	EME107/207	3	0	0	3	3
4	English Language Communication	EL104/204	3	2	0	5	4
5	Applied Mechanics	AM106/206	3	2	0	5	4
6	Engineering Graphics	EGR110/210	2	0	4	6	4
7	Engineering Physics Lab	PHL112/212	0	0	2	2	1
8	Elements of Mechanical Engg. Lab	EMEL115/215	0	0	2	2	1
9	Workshop Practice	WSP117/217	0	0	4	4	2
TOTAL			17	6	12	35	26

II Sem

Sr No	Subject Name	Subject Code	Theory	ABL/TUT	Laboratory	Total Hrs	Total Credits
1	Engineering Mathematics - II	EM201	3	2	0	5	4
2	Engineering Chemistry	CH103/203	3	0	0	3	3
3	Engineering Material & Applications	EMA109/209	3	2	0	5	4
4	Elements of Electrical & Elect Engg.	EEE108/208	3	0	0	3	3
5	Computer Concepts and Programming	CCP105/205	3	2	0	5	4
6	Environment Engineering	ENV111/211	1	2	0	3	2
7	Engineering Chemistry Lab	CHL113/213	0	0	2	2	1
8	Elements of Electrical & Elect Engg. Lab	EEEL116/216	0	0	2	2	1
9	Programming Practice Lab.	PRL114/214	0	0	4	4	2
TOTAL			16	8	8	32	24

III Sem							
Sr No	Subject Name	Subject Code	Theory	ABL/TUT	Laboratory	Total Hrs	Total Credits
1	Engineering Mathematics-3	AU410301N	3	2	0	5	4
2	Manufacturing Processes -1	AU410314	3	0	0	3	3
3	Machine Design & Industrial Drafting	AU410310	4	2	0	6	5
4	Fluid Mechanics	AU410311	3	0	0	3	3
5	Management Concept & Principles	AU410312	3	0	0	3	3
6	Strength Of Material	AU410313	4	0	0	4	4
7	Strength Of Material Lab	AU410307N	0	0	2	2	1
8	Fluid Mechanics Lab	AU410308N	0	0	2	2	1
9	Manufacturing Processes -1 Lab	AU410309N	0	0	2	2	1
TOTAL			20	4	6	30	25

IV Sem							
Sr No	Subject Name	Subject Code	Theory	ABL/TUT	Laboratory	Total Hrs	Total Credits
1	Engineering Mathematics-4	AU 410401N	3	2	0	5	4
2	Engineering Thermodynamics	AU 410403N	3	2	0	5	4
3	Measurements And Metrology	AU 410410N	3	0	0	3	3
4	Manufacturing Process -2	AU 410411N	3	0	0	3	3
5	Electrical Machines And Electronics Controls	AU 410402N	3	2	0	4	4
6	Kinematics And Dynamics Of Machines	AU 410404N	3	2	0	5	4
7	Manufacturing Process-2 Lab	AU 410409N	0	0	2	2	1
8	Measurements And Metrology Lab	AU 410408N	0	0	2	2	1
9	Electrical Machines And Electronics Controls lab	AU 410407N	0	0	2	2	1
TOTAL			18	8	6	31	25

V Sem							
Sr No	Subject Name	Subject Code	Theory	ABL/TUT	Laboratory	Total Hrs	Total Credits
1	Automobile Systems	AU410501	4	2	0	6	5
2	Automobile Engines	AU410502	4	0	0	4	4
3	Automobile Heat Transfer	AU410503	4	0	0	4	4
4	Transport Management & Laws	AU410504	3	0	0	3	3
5	Elective-1	-	3	0	0	3	3
6	Mini Project-1	AU410505	0	0	6	6	3
7	Automobile Engines Lab	AU410506	0	0	2	2	1
8	Automobile Heat Transfer Lab	AU410507	0	0	2	2	1
9	Elective-1 Lab	-	0	0	2	2	1
TOTAL			18	2	12	32	25
Elective-1 Subjects							
1	Dynamics Of Machines	AU410521	3	0	0	3	3
2	Advance Machining Processes	AU410522	3	0	0	3	3
3	Alternative Fuels & Engines	AU410523	3	0	0	3	3
Elective-1 Lab							
1	Dynamics Of Machines Lab	AU410524	0	0	2	2	1
2	Advance Machining Processes Lab	AU410525	0	0	2	2	1
3	Alternative Fuels & Engines Lab	AU410526	0	0	2	2	1

VI Sem							
Sr No	Subject Name	Subject Code	Theory	ABL/TUT	Laboratory	Total Hrs	Total Credits
1	Automobile Component Design	AU410601	4	2	0	6	5
2	Total Quality Management	AU410602	3	2	0	5	4
3	Automobile Chassis Body	AU410603	4	0	0	4	4
4	Vehicle Maintenance And Garage Practice	AU410604	3	0	0	3	3
5	Elective-2	-	3	0	0	3	3
6	Vehicle Maintenance And Garage Practice Lab	AU410605	0	0	4	4	2
7	Elective-2 Lab	-	0	0	2	2	1
8	Mini Project-2	AU410606	0	0	6	6	3
	TOTAL		17	4	12	33	25
ELECTIVE-2 Subjects							
1	Computer Aided Design	AU410621	3	0	0	3	3
2	Industrial Engineering	AU410622	3	0	0	3	3
3	Modern Vehicle Technology	AU410623	3	0	0	3	3
ELECTIVE-2 Labs							
1	Computer Aided Design Lab	AU410624	0	0	2	2	1
2	Industrial Engineering Lab	AU410625	0	0	2	2	1
3	Modern Vehicle Technology Lab	AU410626	0	0	2	2	1

VII Sem							
Sr No	Subject Name	Subject Code	Theory	ABL/TUT	Laboratory	Total Hrs	Total Credits
1	Hydraulics And Pneumatics Systems	AU410701	4	0	0	4	4
2	Vehicle Dynamics	AU410702	3	2	0	4	4
3	Auto Electrical & Electronics	AU410705	3	0	0	3	3
4	Two And Three Wheelers	AU410704	3	0	0	3	3
5	Elective-3	-	3	0	0	3	3
6	Hydraulics And Pneumatics Lab	AU410706	0	0	2	2	1
7	Auto Electrical & Electronics Lab	AU410707	0	0	2	2	1
8	Elective-3 Lab	-	0	0	2	2	1
9	Major Project-1	AU410703	0	0	10	10	5
TOTAL			16	2	16	33	25
ELECTIVE-3 Subjects							
1	Automobile System Design	AU410721	3	0	0	3	3
2	Computer Integrated Manufacturing	AU410722	3	0	0	3	3
3	Hybrid Vehicle Technology	AU410723	3	0	0	3	3
ELECTIVE-3 Labs							
1	Automobile System Design	AU410724	0	0	2	2	1
2	Computer Integrated Manufacturing	AU410725	0	0	2	2	1
3	Hybrid Vehicle Technology	AU410726	0	0	2	2	1

VIII Sem							
Sr No	Subject Name	Subject Code	Theory	ABL/TUT	Laboratory	Total Hrs	Total Credits
1	Major Project-2	AU410801	0	0	36	36	18
2	Special Purpose Vehicle	AU410802	4	0	0	4	4
3	Elective-4	-	3	0	0	3	3
TOTAL			7	0	36	43	25
ELECTIVE-4 Subjects							
1	Vehicle Design Data Characteristics	AU410821	3	0	0	3	3
2	Modern Quality Tools	AU410822	3	0	0	3	3
3	Automobile Air Conditioning	AU410823	3	0	0	3	3