

Course Structure of Diploma in Engineering Probidhan-2022 (Mechanical Allied Technology)

Technology Name: Automobile Technology

Automobile Technology(62)

1st Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	21011	Engineering Drawing	-	6	2	-	-	-	50	50	100	100
2	25711	Bangla-I	2	-	2	40	60	100	-	-	-	100
3	25712	English-I	2	-	2	40	60	100	-	-	-	100
4	25911	Mathematics -I	3	3	4	60	90	150	25	25	50	200
5	25912	Physics -I	3	3	4	60	90	150	25	25	50	200
6	26211	Automobile Fundamentals	2	3	3	40	60	100	25	25	50	150
7	26711	Basic Electricity	3	3	4	60	90	150	25	25	50	200
Total			15	18	21	300	450	750	150	150	300	1,050
Total Period			33									
Theory:Practical (Ratio)			45.5%	54.5%								

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2nd Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25721	Bangla -II	2	-	2	40	60	100	-	-	-	100
2	25722	English-II	2	-	2	40	60	100	-	-	-	100
3	25812	Physical Education & Life Skills Development	-	3	1	-	-	-	25	25	50	50
4	25913	Chemistry	3	3	4	60	90	150	25	25	50	200
5	25921	Mathematics-II	3	3	4	60	90	150	25	25	50	200
6	25922	Physics-II	3	3	4	60	90	150	25	25	50	200
7	26221	Automotive Engine System-I	2	3	3	40	60	100	25	25	50	150
8	27011	Basic Workshop Practice	-	3	1	-	-	-	25	25	50	50
Total			15	18	21	260	390	650	175	175	350	1,050
Total Period			33									
Theory:Practical (Ratio)			45.5%	54.5%								

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3rd Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25811	Social Science	2	-	2	40	60	100	-	-	-	100
2	25931	Mathematics-III	3	3	4	60	90	150	25	25	50	200
3	26231	Automotive Engine System-II	2	3	3	40	60	100	25	25	50	150
4	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
5	27012	Machine Shop Practice I	1	6	3	20	30	50	50	50	100	150
6	27031	Mechanical Engineering Materials	2	-	2	40	60	100	-	-	-	100
7	28511	Computer Office Application	-	6	2	-	-	-	50	50	100	100
Total			12	15	17	240	360	600	125	125	250	850
Total Period			27									
Theory:Practical (Ratio)			44.4%	55.6%								

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4th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25841	Accounting	2	-	2	40	60	100	-	-	-	100
2	26241	Automotive Body Building	2	3	3	40	60	100	25	25	50	150
3	27041	Engineering Mechanics	2	3	3	40	60	100	25	25	50	150
4	27043	Metallurgy	2	3	3	40	60	100	25	25	50	150
5	27131	Engineering Thermodynamics	3	3	4	60	90	150	25	25	50	200
6	27142	Fuels & Lubricants	2	3	3	40	60	100	25	25	50	150
7	29041	Environmental Studies	2	3	3	40	60	100	25	25	50	150
Total			15	18	21	300	450	750	150	150	300	1,050
Total Period			33									
Theory:Practical (Ratio)			45.5%	54.5%								

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5th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
	Code	Name	Theory	Practical		Theory Assessment			Practical Assessment			Grand Total
						Continuous	Final	Total	Continuous	Final	Total	
1	25852	Industrial Management	2	-	2	40	60	100	-	-	-	100
2	26251	Automobile Air- Conditioning	2	3	3	40	60	100	25	25	50	150
3	26252	Advance Automotive Mechanisms	2	3	3	40	60	100	25	25	50	150
4	27051	Fluid Mechanics & Machineries	3	3	4	60	90	150	25	25	50	200
5	27052	Mechanical Estimating & Costing	2	3	3	40	60	100	25	25	50	150
6	27053	Advanced Welding-I	2	6	4	40	60	100	50	50	100	200
7	27055	Manufacturing Process	3	-	3	60	90	150	-	-	-	150
Total			16	18	22	320	480	800	150	150	300	1,100
Total Period			34									
Theory:Practical (Ratio)			47.1%	52.9%								

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6th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
	Code	Name	Theory	Practical		Theory Assessment			Practical Assessment			Grand Total
						Continuous	Final	Total	Continuous	Final	Total	
1	25831	Business Communication	2	-	2	40	60	100	-	-	-	100
2	25851	Principles of Marketing	2	-	2	40	60	100	-	-	-	100
3	26261	Engine Overhauling & Inspection	2	3	3	40	60	100	25	25	50	150
4	26262	Suspension, Brake, Steering & Transmission System of Vehicle	2	3	3	40	60	100	25	25	50	150
5	26263	Specialized Vehicles, Two & Three Wheelers	2	3	3	40	60	100	25	25	50	150
6	27054	Foundry & Pattern Making	2	3	3	40	60	100	25	25	50	150
7	27061	Strength of Materials	3	3	4	60	90	150	25	25	50	200
8	27062	Mechanical Measurement & Metrology	2	3	3	40	60	100	25	25	50	150
Total			17	18	23	340	510	850	150	150	300	1,150
Total Period			35									
Theory:Practical (Ratio)			48.6%	51.4%								

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7th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
	Code	Name	Theory	Practical		Theory Assessment			Practical Assessment			Grand Total
						Continuous	Final	Total	Continuous	Final	Total	
1	25853	Innovation & Entrepreneurship	2	-	2	40	60	100	-	-	-	100
2	26271	Electrical, Electronic & Vehicle Networking System	2	3	3	40	60	100	25	25	50	150
3	26272	Automotive Testing & Emission Control	2	3	3	40	60	100	25	25	50	150
4	26273	Shop Equipment, Service Station Operation & Workshop Practice	2	3	3	40	60	100	25	25	50	150
5	26274	Automobile Engineering Project	-	6	2	-	-	-	50	50	100	100
6	27071	Design of Machine Elements	3	3	4	60	90	150	25	25	50	200
7	29231	Mechatronics & PLC	3	3	4	60	90	150	25	25	50	200
Total			14	21	21	280	420	700	175	175	350	1,050
Total Period			35									
Theory:Practical (Ratio)			40.0%	60.0%								

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8th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
	Code	Name	Theory	Practical		Theory Assessment			Practical Assessment			Grand Total
						Continuous	Final	Total	Continuous	Final	Total	
1	26281	Industrial Attachment	-	24	8	-	-	-	200	200	400	400
2		Project Presentation	-	12	4	-	-	-	100	100	200	200
Total			-	36	12	-	-	-	300	300	600	600
Total Period			36									
Theory:Practical (Ratio)			0.0%	100.0%								

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Summary Structure (All Semester)

Sl. No.	Semester	Period Per Week		Credit	Marks Distribution						
		Theory	Practical		Theory Assessment			Practical Assessment			Grand Total
					Continuous	Final	Total	Continuous	Final	Total	
1	1st Semester	15	18	21	300	450	750	150	150	300	1,050
2	2nd Semester	15	18	21	260	390	650	175	175	350	1,050
3	3rd Semester	12	15	17	240	360	600	125	125	250	850
4	4th Semester	15	18	21	300	450	750	150	150	300	1,050
5	5th Semester	16	18	22	320	480	800	150	150	300	1,100
6	6th Semester	17	18	23	340	510	850	150	150	300	1,150
7	7th Semester	14	21	21	280	420	700	175	175	350	1,050
8	8th Semester	-	36	12	-	-	-	300	300	600	600
Total		104	162	158	2,080	3,120	5,200	1,400	1,400	2,800	7,900
Total Period		266									
Theory:Practical (Ratio)		39.1%	60.9%								