

**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
<b>Total</b>			<b>15</b>	<b>18</b>	<b>21</b>	<b>300</b>	<b>450</b>	<b>750</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>1,050</b>
<b>Total Period</b>			<b>33</b>									
<b>Theory:Practical (Ratio)</b>			<b>45.5%</b>	<b>54.5%</b>								

**Automobile Technology(62)**

**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
<b>Total</b>			<b>15</b>	<b>18</b>	<b>21</b>	<b>260</b>	<b>390</b>	<b>650</b>	<b>175</b>	<b>175</b>	<b>350</b>	<b>1,050</b>
<b>Total Period</b>			<b>33</b>									
<b>Theory:Practical (Ratio)</b>			<b>45.5%</b>	<b>54.5%</b>								

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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
<b>Total</b>			<b>12</b>	<b>15</b>	<b>17</b>	<b>240</b>	<b>360</b>	<b>600</b>	<b>125</b>	<b>125</b>	<b>250</b>	<b>850</b>
<b>Total Period</b>			<b>27</b>									
<b>Theory:Practical (Ratio)</b>			<b>44.4%</b>	<b>55.6%</b>								

**Automobile Technology(62)**

**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
<b>Total</b>			<b>15</b>	<b>18</b>	<b>21</b>	<b>300</b>	<b>450</b>	<b>750</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>1,050</b>
<b>Total Period</b>			<b>33</b>									
<b>Theory:Practical (Ratio)</b>			<b>45.5%</b>	<b>54.5%</b>								

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

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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
<b>Total</b>			<b>16</b>	<b>18</b>	<b>22</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>1,100</b>
<b>Total Period</b>			<b>34</b>									
<b>Theory:Practical (Ratio)</b>			<b>47.1%</b>	<b>52.9%</b>								

**Automobile Technology(62)**

**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
<b>Total</b>			<b>17</b>	<b>18</b>	<b>23</b>	<b>340</b>	<b>510</b>	<b>850</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>1,150</b>
<b>Total Period</b>			<b>35</b>									
<b>Theory:Practical (Ratio)</b>			<b>48.6%</b>	<b>51.4%</b>								

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

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**Automobile Technology(62)**

**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
<b>Total</b>			<b>14</b>	<b>21</b>	<b>21</b>	<b>280</b>	<b>420</b>	<b>700</b>	<b>175</b>	<b>175</b>	<b>350</b>	<b>1,050</b>
<b>Total Period</b>			<b>35</b>									
<b>Theory:Practical (Ratio)</b>			<b>40.0%</b>	<b>60.0%</b>								

**Automobile Technology(62)**

**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
<b>Total</b>			<b>-</b>	<b>36</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>300</b>	<b>300</b>	<b>600</b>	<b>600</b>
<b>Total Period</b>			<b>36</b>									
<b>Theory:Practical (Ratio)</b>			<b>0.0%</b>	<b>100.0%</b>								

**Course Structure of Diploma in Engineering Probidhan-2022 (Mechanical Allied Technology)**  
**Technology Name: Automobile Technology**

**Automobile Technology(62)**

**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
<b>Total</b>		<b>104</b>	<b>162</b>	<b>158</b>	<b>2,080</b>	<b>3,120</b>	<b>5,200</b>	<b>1,400</b>	<b>1,400</b>	<b>2,800</b>	<b>7,900</b>
<b>Total Period</b>		<b>266</b>									
<b>Theory:Practical (Ratio)</b>		<b>39.1%</b>	<b>60.9%</b>								