

**Course Structure Diploma In Engineering Probidhan-2022 (Marine Allied)**  
**Name of Technology: Shipbuilding**

Shipbuilding Engineering (80)					1st Semester							
Sl. No.	Subject Code & Name		Period/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	25811	Social Science	2	-	2	40	60	100	-	-	-	100
5	25911	Mathematics -I	3	3	4	60	90	150	25	25	50	200
6	25912	Physics-I	3	3	4	60	90	150	25	25	50	200
7	26711	Basic Electricity	3	3	4	60	90	150	25	25	50	200
8	27011	Basic Workshop Practice	-	3	1	-	-	-	25	25	50	50
<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>1050</b>
<b>Total Period</b>					<b>33</b>							
<b>Theory:Practical (%)</b>			<b>45.5%</b>	<b>54.5%</b>								

Shipbuilding Engineering (80)					2nd Semester							
Sl. No.	Subject Code & Name		Period		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	25913	Chemistry	3	3	4	60	90	150	25	25	50	200
4	25921	Mathematics-II	3	3	4	60	90	150	25	25	50	200
5	25922	Physics -II	3	3	4	60	90	150	25	25	50	200
6	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
7	27012	Machine Shop Practice I	1	6	3	20	30	50	50	50	100	150
8	28021	General Ship Knowledge	1	-	1	20	30	50	-	-	-	50
<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>1150</b>
<b>Total Period</b>					<b>35</b>							
<b>Theory: Practical (%)</b>			<b>48.6%</b>	<b>51.4%</b>								

**Course Structure Diploma In Engineering Probidhan-2022 (Marine Allied)**  
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Shipbuilding Engineering (80)					3rd Semester								
Sl. No.	Subject Code & Name		Period		Credit	Marks Distribution						Grand Total	
			Theory	Practical		Theory Assessment			Practical Assessment				
	Code	Name				Continuous	Final	Total	Continuous	Final	Total		
1	25812	Physical Education & Life skill Development		-	3	1	-	-	-	25	25	50	50
2	25931	Mathematics-III		3	3	4	60	90	150	25	25	50	200
3	27032	Machine Shop Practice II		1	6	3	20	30	50	50	50	100	150
4	27041	Engineering Mechanics		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	27931	Marine IC Engine-I		2	3	3	40	60	100	25	25	50	150
7	27957	Machine Drawing		-	3	1	-	-	-	25	25	50	50
<b>Total</b>				<b>11</b>	<b>24</b>	<b>19</b>	<b>220</b>	<b>330</b>	<b>550</b>	<b>200</b>	<b>200</b>	<b>400</b>	<b>950</b>
<b>Total Period</b>				<b>35</b>									
<b>Theory:Practical (%)</b>				<b>31.4%</b>	<b>68.6%</b>								

Shipbuilding Engineering (80)					4th Semester								
Sl. No.	Subject Code & Name		Period		Credit	Marks Distribution						Grand Total	
			Theory	Practical		Theory Assessment			Practical Assessment				
	Code	Name				Continuous	Final	Total	Continuous	Final	Total		
1	25841	Accounting		2	-	2	40	60	100	-	-	-	100
2	27043	Metallurgy		2	3	3	40	60	100	25	25	50	150
3	27061	Strength of Materials		3	3	4	60	90	150	25	25	50	200
4	27942	Marine IC Engine-II		3	3	4	60	90	150	25	25	50	200
5	28041	Naval Architecture		3	-	3	60	90	150	-	-	-	150
6	28042	Welding		1	6	3	20	30	50	50	50	100	150
7	28511	Computer Office Application		-	6	2	-	-	-	50	50	100	100
<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>1050</b>
<b>Total Period</b>				<b>35</b>									
<b>Theory:Practical (%)</b>				<b>40.0%</b>	<b>60.0%</b>								

**Course Structure Diploma In Engineering Probidhan-2022 (Marine Allied)**

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Shipbuilding Engineering (80)					5th Semester							
Sl. No.	Subject Code & Name		Period		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	27951	Marine Auxiliary Systems	2	3	3	40	60	100	25	25	50	150
2	27953	Marine Fuels & Lubricants	2	-	2	40	60	100	-	-	-	100
3	27955	Basic Safety & Security	2	6	4	40	60	100	50	50	100	200
4	27956	Maritime Laws	2	-	2	40	60	100	-	-	-	100
5	28051	Shipbuilding Drawing	-	6	2	-	-	-	50	50	100	100
6	28052	Shipyards Practice	3	3	4	60	90	150	25	25	50	200
7	28053	Ship Construction & Repair	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>1050</b>
<b>Total Period</b>					<b>35</b>							
<b>Theory:Practical (%)</b>			<b>40.0%</b>	<b>60.0%</b>								

Shipbuilding Engineering (80)					6th Semester							
Sl. No.	Subject Code & Name		Period		Credit	Marks Distribution						
						Theory Assessment			Practical Assessment			Grand Total
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25852	Industrial Management	2	0	2	40	60	100	0	0	0	100
2	27063	CAD & CAM	1	6	3	20	30	50	50	50	100	150
3	27962	Marine Electrical Installation & Instrumentation	2	3	3	40	60	100	25	25	50	150
4	27963	Shipboard Deck machinery, Out-fittings & Bridge Equipment	1	3	2	20	30	50	25	25	50	100
5	27964	Marine Propulsion & Steering System	2	3	3	40	60	100	25	25	50	150
6	27965	Marine Environmental Science	2	0	2	40	60	100	0	0	0	100
7	28061	Ship Design	3	0	3	60	90	150	0	0	0	150
8	28062	Advanced Welding	0	3	1	0	0	0	25	25	50	50
9	28063	Estimating & Costing in Shipbuilding	1	3	2	20	30	50	25	25	50	100
<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>1050</b>
<b>Total Period</b>					<b>35</b>							
<b>Theory:Practical (%)</b>			<b>40.0%</b>	<b>60.0%</b>								

**Course Structure Diploma In Engineering Probidhan-2022 (Marine Allied)**  
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Shipbuilding Engineering (80)					7th Semester							
Sl. No.	Subject Code & Name		Period		Credit	Marks Distribution						Grand Total
						Theory Assessment			Practical Assessment			
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	25851	Principles of Marketing	2	-	2	40	60	100	-	-	-	100
2	25853	Innovation & Entrepreneurship	2	-	2	40	60	100	-	-	-	100
3	27941	Fluid Mechanics & Hydraulic Machinery	3	3	4	60	90	150	25	25	50	200
4	27952	Marine Boiler & Steam Engineering	2	3	3	40	60	100	25	25	50	150
5	27954	Marine IC Engine Operation & Maintenance	1	3	2	20	30	50	25	25	50	100
6	27971	Leadership & Professional Ethics	2	-	2	40	60	100	-	-	-	100
7	27974	Career Guideline in Maritime Sector	2	-	2	40	60	100	-	-	-	100
8	27975	Applied Mechanics	3	3	4	60	90	150	25	25	50	200
9	27977	Control Engineering & Mechatronics	3	3	4	60	90	150	25	25	50	200
<b>Total</b>			<b>20</b>	<b>15</b>	<b>25</b>	<b>400</b>	<b>600</b>	<b>1,000</b>	<b>125</b>	<b>125</b>	<b>250</b>	<b>1250</b>
<b>Total Period</b>					<b>35</b>							
<b>Theory:Practical (%)</b>			<b>57.1%</b>	<b>42.9%</b>								

Shipbuilding Engineering (80)					8th Semester							
Sl. No.	Subject Code & Name		Period		Credit	Marks Distribution						Grand Total
						Theory Assessment			Practical Assessment			
	Code	Name	Theory	Practical		Continuous	Final	Total	Continuous	Final	Total	
1	28081	Industrial Atachment	-	24	8	-	-	-	200	200	400	400
		Presentation on Industrial Atachements	-	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 (%)</b>			<b>0.0%</b>	<b>100.0%</b>								

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**Shipbuilding Engineering (80)**

**Summary Structure (All Semester)**

Sl. No.	Semester	Period/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	1050
2	2nd Semester	17	18	23	340	510	850	150	150	300	1150
3	3rd Semester	11	24	19	220	330	550	200	175	400	950
4	4th Semester	14	21	21	280	420	700	175	175	350	1050
5	5th Semester	14	21	21	280	420	700	175	125	350	1050
6	6th Semester	14	21	21	280	420	700	175	175	350	1050
7	7th Semester	20	15	25	400	600	1,000	125	125	250	1250
8	8th Semester	-	36	12	-	-	-	300	300	600	600
<b>Total</b>		<b>105</b>	<b>174</b>	<b>163</b>	<b>2,100</b>	<b>3,150</b>	<b>5,250</b>	<b>1,450</b>	<b>1,375</b>	<b>2,900</b>	<b>8150</b>
<b>Total Period</b>		<b>279</b>									
<b>Theory:Practical (%)</b>		<b>37.6%</b>	<b>62.4%</b>								