

**Course structure of Diploma in Textile Engineering 2022 Probidhan**

**Specialization: Fabric Manufacturing**

**Fabric Manufacturing (12)**

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	21111	General Textile Processing -I	2	3	3	40	60	100	25	25	50	150
2	25711	Bangla-I	2	0	2	40	60	100	-	-	-	100
3	25712	English-I	2	0	2	40	60	100	-	-	-	100
4	25811	Social Science	2	0	2	40	60	100	-	-	-	100
5	25812	Physical Education & Life Skills Development	0	3	1	-	-	-	25	25	50	50
6	25911	Mathematics -I	3	3	4	60	90	150	25	25	50	200
7	25912	Physics-I	3	3	4	60	90	150	25	25	50	200
8	25914	Chemistry-I	2	3	3	40	60	100	25	25	50	150
<b>Total</b>			<b>16</b>	<b>15</b>	<b>21</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>125</b>	<b>125</b>	<b>250</b>	<b>1,050</b>
<b>Total Period</b>					<b>31</b>							
<b>Theory:Practical (Ratio)</b>			<b>51.6%</b>	<b>48.4%</b>								

**Fabric Manufacturing (12)**

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	21011	Engineering Drawing	0	6	2	-	-	-	50	50	100	100
2	21121	General Textile Processing -II	2	3	3	40	60	100	25	25	50	150
3	25721	Bangla-II	2	0	2	40	60	100	-	-	-	100
4	25722	English-II	2	0	2	40	60	100	-	-	-	100
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	25924	Chemistry-II	2	3	3	40	60	100	25	25	50	150
<b>Total</b>			<b>14</b>	<b>18</b>	<b>20</b>	<b>280</b>	<b>420</b>	<b>700</b>	<b>150</b>	<b>150</b>	<b>300</b>	<b>1,000</b>
<b>Total Period</b>					<b>32</b>							
<b>Theory:Practical (Ratio)</b>			<b>43.8%</b>	<b>56.3%</b>								

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3rd Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
			Theory	Practical		Theory Assessment			Practical Assessment			Grand Total
	Code	Name				Continuous	Final	Total	Continuous	Final	Total	
1	21131	Natural Textile Fibre	2	0	2	40	60	100	-	-	-	100
2	21132	Yarn Manufacturing-I	3	3	4	60	90	150	25	25	50	200
3	21231	Fabric Manufacturing-I	3	3	4	60	90	150	25	25	50	200
4	25831	Business Communication	2	0	2	40	60	100	-	-	-	100
5	25915	Statistics	2	0	2	40	60	100	-	-	-	100
6	26611	Computer Office Application	0	6	2	-	-	-	50	50	100	100
7	26711	Basic Electricity	3	3	4	60	90	150	25	25	50	200
<b>Total</b>			<b>15</b>	<b>15</b>	<b>20</b>	<b>300</b>	<b>450</b>	<b>750</b>	<b>125</b>	<b>125</b>	<b>250</b>	<b>1,000</b>
<b>Total Period</b>					<b>30</b>							
<b>Theory:Practical (Ratio)</b>			<b>50.0%</b>	<b>50.0%</b>								

**Fabric Manufacturing (12)**

4th Semester

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						
			Theory	Practical		Theory Assessment			Practical Assessment			Grand Total
	Code	Name				Continuous	Final	Total	Continuous	Final	Total	
1	21141	Man Made Fibre & Filament	2	0	2	40	60	100	-	-	-	100
2	21142	Yarn Manufacturing-II	3	3	4	60	90	150	25	25	50	200
3	21241	Fabric Manufacturing-II	3	3	4	60	90	150	25	25	50	200
4	21341	Wet Processing-I	3	3	4	60	90	150	25	25	50	200
5	21441	Apparel Manufacturing-I	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	27011	Basic Workshop Practice	0	3	1	-	-	-	25	25	50	50
<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>								

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**5th 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	21151	Textile Testing & Quality Control-I	3	3	4	60	90	150	25	25	50	200
2	21251	Fabric Structure & Design	3	3	4	60	90	150	25	25	50	200
3	21351	Wet Processing-II	3	3	4	60	90	150	25	25	50	200
4	21451	Apparel Manufacturing-II	3	3	4	60	90	150	25	25	50	200
5	21861	General Maintenance & Utility Service	2	3	3	40	60	100	25	25	50	150
6	25842	Accounting & Cost Management	3	0	3	60	90	150	-	-	-	150
<b>Total</b>			<b>17</b>	<b>15</b>	<b>22</b>	<b>340</b>	<b>510</b>	<b>850</b>	<b>125</b>	<b>125</b>	<b>250</b>	<b>1,100</b>
<b>Total Period</b>			<b>32</b>									
<b>Theory:Practical (Ratio)</b>			<b>53.1%</b>	<b>46.9%</b>								

**Fabric Manufacturing (12)**

**6th 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	
	21161	Textile Testing & Quality Control-II	3	3	4	60	90	150	25	25	50	200
1	21164	Textile Calculation	3	0	3	60	90	150	-	-	-	150
2	21261	Advanced Fabric Manufacturing-I	3	3	4	60	90	150	25	25	50	200
3	21262	Advanced Fabric Structure & Design	2	3	3	40	60	100	25	25	50	150
4	21263	Application of Computer in Fabric Manufacturing	0	6	2	-	-	-	50	50	100	100
6	25851	Principle of Marketing	2	0	2	40	60	100	-	-	-	100
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>								

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**Fabric Manufacturing (12)**

7th 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	21173	Production Planning & Control	2	0	2	40	60	100	-	-	-	100
2	21174	Textile Waste Recycling	2	3	3	40	60	100	25	25	50	150
3	21271	Advanced Fabric Manufacturing-II	3	3	4	60	90	150	25	25	50	200
4	21272	Technical Textiles	3	3	4	60	90	150	25	25	50	200
5	21863	Fabric Manufacturing Machinery and Maintenance	2	3	3	40	60	100	25	25	50	150
6	25852	Industrial Management	2	-	2	40	60	100	-	-	-	100
7	25853	Innovation & Entrepreneurship	2	0	2	40	60	100	-	-	-	100
<b>Total</b>			<b>16</b>	<b>12</b>	<b>20</b>	<b>320</b>	<b>480</b>	<b>800</b>	<b>100</b>	<b>100</b>	<b>200</b>	<b>1,000</b>
<b>Total Period</b>					<b>28</b>							
<b>Theory:Practical (Ratio)</b>			<b>57.1%</b>	<b>42.9%</b>								

**Fabric Manufacturing (12)**

8th 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	21281	Industrial Training	-	24	8	-	-	-	200	200	400	400
2		Graduation 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>								

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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	16	15	21	320	480	800	125	125	250	1,050
2	2nd Semester	14	18	20	280	420	700	150	150	300	1,000
3	3rd Semester	15	15	20	300	450	750	125	125	250	1,000
4	4th Semester	16	18	22	320	480	800	150	150	300	1,100
5	5th Semester	17	15	22	340	510	850	125	125	250	1,100
6	6th Semester	15	18	21	300	450	750	150	150	300	1,050
7	7th Semester	16	12	20	320	480	800	100	100	200	1,000
8	8th Semester	-	36	12	-	-	-	300	300	600	600
<b>Total</b>		<b>109</b>	<b>147</b>	<b>158</b>	<b>2,180</b>	<b>3,270</b>	<b>5,450</b>	<b>1,225</b>	<b>1,225</b>	<b>2,450</b>	<b>7,900</b>
<b>Total Period</b>		<b>256</b>									
<b>Theory:Practical (Ratio)</b>		<b>42.6%</b>	<b>57.4%</b>	<b>STEAM Ratio</b>							