

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

**Technology Name: Computer Science and Technology**

**Computer Science & Technology (85)**

**1st Semester**

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						Grand Total
						Theory Assessment			Practical Assessment			
	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	28511	Computer Office Application	-	6	2	-	-	-	50	50	100	100
7	26711	Basic Electricity	3	3	4	60	90	150	25	25	50	200
<b>Total</b>			<b>13</b>	<b>21</b>	<b>20</b>	<b>260</b>	<b>390</b>	<b>650</b>	<b>175</b>	<b>175</b>	<b>350</b>	<b>1000</b>
<b>Total Period</b>			<b>34</b>									
<b>Theory:Practical (Ratio)</b>			<b>38.2%</b>	<b>61.8%</b>								

**Computer Science & Technology (85)**

**2nd Semester**

Sl. No.	Subject		Period Per Week		Credit	Marks Distribution						Grand Total
						Theory Assessment			Practical Assessment			
	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	28521	Python Programming	2	3	3	40	60	100	25	25	50	150
7	28522	Computer Graphics Design-I	-	6	2	-	-	-	50	50	100	100
8	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
<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 (Ratio)</b>			<b>40.0%</b>	<b>60.0%</b>								

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**3rd 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	25811	Social Science	2	-	2	40	60	100	-	-	-	100
2	25922	Physics -II	3	3	4	60	90	150	25	25	50	200
3	25931	Mathematics-III	3	3	4	60	90	150	25	25	50	200
4	28531	Application Development Using Python	2	3	3	40	60	100	25	25	50	150
5	28532	Computer Graphics Design-II	-	3	1	-	-	-	25	25	50	50
6	28533	IT Support Services	2	6	4	40	60	100	50	50	100	200
7	26831	Digital Electronics-I	2	3	3	40	60	100	25	25	50	150
<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>40.0%</b>	<b>60.0%</b>								

**Computer Science & Technology (85)**

**4th 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	28541	Java Programming	2	3	3	40	60	100	25	25	50	150
3	28542	Data Structure & Algorithm	2	3	3	40	60	100	25	25	50	150
4	28543	Computer Peripherals & Interfacing	3	3	4	60	90	150	25	25	50	200
5	28544	Web Design & Development-I	1	6	3	20	30	50	50	50	100	150
6	26841	Digital Electronics-II	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>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 (Ratio)</b>			<b>40.0%</b>	<b>60.0%</b>								

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

**Technology Name: Computer Science and Technology**

**Computer Science & Technology (85)**

**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	25841	Accounting	2	-	2	40	60	100	-	-	-	100
2	28551	Application Development Using Java	2	3	3	40	60	100	25	25	50	150
3	28552	Web Design & Development-II	1	6	3	20	30	50	50	50	100	150
4	28553	Computer Architecture & Microprocessor	3	3	4	60	90	150	25	25	50	200
5	28554	Data Communication	3	3	4	60	90	150	25	25	50	200
6	28555	Operating System	2	3	3	40	60	100	25	25	50	150
7	28556	Project Work-I	-	3	1	-	-	-	25	25	50	50
<b>Total</b>			<b>13</b>	<b>21</b>	<b>20</b>	<b>260</b>	<b>390</b>	<b>650</b>	<b>175</b>	<b>175</b>	<b>350</b>	<b>1000</b>
<b>Total Period</b>			<b>34</b>									
<b>Theory:Practical (Ratio)</b>			<b>38.2%</b>	<b>61.8%</b>								

**Computer Science & Technology (85)**

**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	
1	25851	Principles of Marketing	2		2	40	60	100	-	-	-	100
2	25852	Industrial Management	2	-	2	40	60	100	-	-	-	100
3	28561	Database Management System	2	3	3	40	60	100	25	25	50	150
4	28562	Copmputer Networking	2	3	3	40	60	100	25	25	50	150
5	28563	Sensor & IoT System	2	3	3	40	60	100	25	25	50	150
6	28564	Microcontroller Based System Design & Development	2	6	4	40	60	100	50	50	100	200
7	28565	Surveillance Security System	1	3	2	20	30	50	25	25	50	100
8	28566	Web Development Project	-	3	1	-	-	-	25	25	50	50
<b>Total</b>			<b>13</b>	<b>21</b>	<b>20</b>	<b>260</b>	<b>390</b>	<b>650</b>	<b>175</b>	<b>175</b>	<b>350</b>	<b>1000</b>
<b>Total Period</b>			<b>34</b>									
<b>Theory:Practical (Ratio)</b>			<b>38.2%</b>	<b>61.8%</b>								

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

**Technology Name: Computer Science and Technology**

**Computer Science & Technology (85)**

**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	25853	Innovation & Entrepreneurship	2	-	2	40	60	100	-	-	-	100
2	28571	Digital Marketing Technique	2	3	3	40	60	100	25	25	50	150
3	28572	Network Administration & Services	3	3	4	60	90	150	25	25	50	200
4	28573	Cyber Security & Ethics	2	3	3	40	60	100	25	25	50	150
5	28574	Apps Development Project	1	3	2	20	30	50	25	25	50	100
6	28575	Multimedia & Animation	2	3	3	40	60	100	25	25	50	150
7	28576	Project Work-II	-	6	2	-	-	-	50	50	100	100
<b>Total</b>			<b>12</b>	<b>21</b>	<b>19</b>	<b>240</b>	<b>360</b>	<b>600</b>	<b>175</b>	<b>175</b>	<b>350</b>	<b>950</b>
<b>Total Period</b>					<b>33</b>							
<b>Theory:Practical (Ratio)</b>			<b>36.4%</b>	<b>63.6%</b>								

**Computer Science & Technology (85)**

**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	28581	Industrial Attachement	-	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 (Computer Allied)**

**Technology Name: Computer Science and Technology**

**Computer Science & Technology (85)**

**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	13	21	20	260	390	650	175	175	350	1,000
2	2nd Semester	14	21	21	280	420	700	175	175	350	1,050
3	3rd Semester	14	21	21	280	420	700	175	175	350	1,050
4	4th Semester	14	21	21	280	420	700	175	175	350	1,050
5	5th Semester	13	21	20	260	390	650	175	175	350	1,000
6	6th Semester	13	21	20	260	390	650	175	175	350	1,000
7	7th Semester	12	21	19	240	360	600	175	175	350	950
8	8th Semester	-	36	12	-	-	-	300	300	600	600
<b>Total</b>		<b>93</b>	<b>183</b>	<b>154</b>	<b>1860</b>	<b>2790</b>	<b>4650</b>	<b>1525</b>	<b>1525</b>	<b>3050</b>	<b>7700</b>
<b>Total Period</b>		<b>276</b>									
<b>Theory:Practical (Ratio)</b>		<b>33.7%</b>	<b>66.3%</b>								