

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

Technology Name: Computer Science and Technology

Computer Science & Technology (66)

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	26611	Computer Office Application	-	6	2	-	-	-	50	50	100	100
7	26711	Basic Electricity	3	3	4	60	90	150	25	25	50	200
Total			13	21	20	260	390	650	175	175	350	1000
Total Period					34							
Theory:Practical (Ratio)			38.2%	61.8%								

Computer Science & Technology (66)

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	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	26621	Python Programming	2	3	3	40	60	100	25	25	50	150
7	26622	Computer Graphics Design-I	-	6	2	-	-	-	50	50	100	100
8	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
Total			14	21	21	280	420	700	175	175	350	1050
Total Period					35							
Theory:Practical (Ratio)			40.0%	60.0%								

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3rd 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	25811	Social Science	2	-	2	40	60	100	-	-	-	100
2	25913	Chemistry	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	26631	Application Development Using Python	2	3	3	40	60	100	25	25	50	150
5	26632	Computer Graphics Design-II	-	3	1	-	-	-	25	25	50	50
6	26633	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
Total			14	21	21	280	420	700	175	175	350	1050
Total Period			35									
			40.0%	60.0%								

Computer Science & Technology (66)

4th 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	25831	Business Communication	2	-	2	40	60	100	-	-	-	100
2	26641	Java Programming	2	3	3	40	60	100	25	25	50	150
3	26642	Data Structure & Algorithm	2	3	3	40	60	100	25	25	50	150
4	26643	Computer Peripherals & Interfacing	3	3	4	60	90	150	25	25	50	200
5	26644	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
Total			14	21	21	280	420	700	175	175	350	1050
Total Period			35									
Theory:Practical (Ratio)			40.0%	60.0%								

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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	25841	Accounting	2	-	2	40	60	100	-	-	-	100
2	26651	Application Development Using Java	2	3	3	40	60	100	25	25	50	150
3	26652	Web Design & Development-II	1	6	3	20	30	50	50	50	100	150
4	26653	Computer Architecture & Microprocessor	3	3	4	60	90	150	25	25	50	200
5	26654	Data Communication	3	3	4	60	90	150	25	25	50	200
6	26655	Operating System	2	3	3	40	60	100	25	25	50	150
7	26656	Project Work-I	-	3	1	-	-	-	25	25	50	50
Total			13	21	20	260	390	650	175	175	350	1000
Total Period					34							
Theory:Practical (Ratio)			38.2%	61.8%								

Computer Science & Technology (66)

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	26661	Database Management System	2	3	3	40	60	100	25	25	50	150
4	26662	Copmputer Networking	2	3	3	40	60	100	25	25	50	150
5	26663	Sensor & IoT System	2	3	3	40	60	100	25	25	50	150
6	26664	Microcontroller Based System Design & Development	2	6	4	40	60	100	50	50	100	200
7	26665	Surveillance Security System	1	3	2	20	30	50	25	25	50	100
8	26666	Web Development Project	-	3	1	-	-	-	25	25	50	50
Total			13	21	20	260	390	650	175	175	350	1000
Total Period					34							
Theory:Practical (Ratio)			38.2%	61.8%								

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Computer Science & Technology (66)

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	26671	Digital Marketing Technique	2	3	3	40	60	100	25	25	50	150
3	26672	Network Administration & Services	3	3	4	60	90	150	25	25	50	200
4	26673	Cyber Security & Ethics	2	3	3	40	60	100	25	25	50	150
5	26674	Apps Development Project	1	3	2	20	30	50	25	25	50	100
6	26675	Multimedia & Animation	2	3	3	40	60	100	25	25	50	150
7	26676	Project Work-II	-	6	2	-	-	-	50	50	100	100
Total			12	21	19	240	360	600	175	175	350	950
Total Period					33							
Theory:Practical (Ratio)			36.4%	63.6%								

Computer Science & Technology (66)

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	29081	Industrial Attachement	-	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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Computer Science & Technology (66)

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
Total		93	183	154	1860	2790	4650	1525	1525	3050	7700
Total Period				276							
Theory:Practical (Ratio)		33.7%	66.3%								