

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

Technology Name: Telecommunication

Telecommunication Technology (94)

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	26711	Basic Electricity	3	3	4	60	90	150	25	25	50	200
7	29411	Basics of Telecommunication	2	3	3	40	60	100	25	25	50	150
Total			15	18	21	300	450	750	150	150	300	1,050
Total Period			33									
Theory:Practical (Ratio)			45.5%	54.5%								

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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	25811	Social Science	2	-	2	40	60	100	-	-	-	100
4	25812	Physical Education & Life skills Development	-	3	1	-	-	-	25	25	50	50
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	26721	Electrical Circuits-I	3	3	4	60	90	150	25	25	50	200
8	26811	Basic Electronics	2	3	3	40	60	100	25	25	50	150
Total			17	15	22	340	510	850	125	125	250	1,100
Total Period			32									
Theory:Practical (Ratio)			53.1%	46.9%								

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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	25913	Chemistry	3	3	4	60	90	150	25	25	50	200
2	25931	Mathematics-III	3	3	4	60	90	150	25	25	50	200
3	28511	Computer Office Application	-	6	2	-	-	-	50	50	100	100
4	26731	Electrical Circuits-II	3	3	4	60	90	150	25	25	50	200
5	26821	Electronic Devices and Circuits	3	3	4	60	90	150	25	25	50	200
6	29431	Telecom Workshop and Outside Plant	2	3	3	40	60	100	25	25	50	150
Total			14	21	21	280	420	700	175	175	350	1,050
Total Period			35									
Theory:Practical (Ratio)			40.0%	60.0%								

Telecommunication Technology (94)

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	25841	Accounting	2	-	2	40	60	100	-	-	-	100
2	28567	Progammig in C	2	3	3	40	60	100	25	25	50	150
3	26741	Electrical Installation,Planning and Estimating	3	3	4	60	90	150	25	25	50	200
4	26845	Digital Electronics	3	3	4	60	90	150	25	25	50	200
5	29441	Radio and TV Engineering	2	3	3	40	60	100	25	25	50	150
6	29442	IT Support and IoT Basics	1	3	2	20	30	50	25	25	50	100
7	29443	Data Communications and Networking	2	3	3	40	60	100	25	25	50	150
Total			15	18	21	300	450	750	150	150	300	1,050
Total Period			33									
Theory:Practical (Ratio)			45.5%	54.5%								

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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	25851	Principle of Marketing	2	-	2	40	60	100	-	-	-	100
2	25852	Industrial Management	2	-	2	40	60	100	-	-	-	100
3	26742	DC Machine	3	3	4	60	90	150	25	25	50	200
4	26751	Generation of Electrical Power	3	3	4	60	90	150	25	25	50	200
5	26752	Electrical & Electronic Measurements-I	2	3	3	40	60	100	25	25	50	150
6	26853	Microprocessor & Microcontroller	3	3	4	60	90	150	25	25	50	200
7	29451	Multimedia and Webpage Design	1	6	3	20	30	50	50	50	100	150
Total			16	18	22	320	480	800	150	150	300	1,100
Total Period			34									
Theory:Practical (Ratio)			47.1%	52.9%								

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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	26761	AC Machine-I	3	3	4	60	90	150	25	25	50	200
2	26763	Electrical & Electronic Measurements-II	2	3	3	40	60	100	25	25	50	150
3	26764	Transmission and Distribution of Electrical Power	3	3	4	60	90	150	25	25	50	200
4	29041	Environmental Studies	2	3	3	40	60	100	25	25	50	150
5	29462	Wireless and Mobile Communication	2	3	3	40	60	100	25	25	50	150
6	29463	Signals and Switching System	2	3	3	40	60	100	25	25	50	150
Total			14	18	20	280	420	700	150	150	300	1,000
Total Period			32									
Theory:Practical (Ratio)			43.8%	56.3%								

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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	25831	Business Communication	2	-	2	40	60	100	-	-	-	100
2	25853	Innovation & Entrepreneurship	2	-	2	40	60	100	-	-	-	100
3	26771	AC Machine-II	3	3	4	60	90	150	25	25	50	200
4	26773	Switch Gear and Protection	3	3	4	60	90	150	25	25	50	200
5	29471	Microwave Engineering and Antennas	2	3	3	40	60	100	25	25	50	150
6	29472	Optical Fiber Communication	2	3	3	40	60	100	25	25	50	150
7	29473	Satellite Communication and RADAR	2	3	3	40	60	100	25	25	50	150
Total			16	15	21	320	480	800	125	125	250	1,050
Total Period			31									
Theory:Practical (Ratio)			51.6%	48.4%								

Telecommunication Technology (94)

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	26781	Industrial Attachement	-	24	8	-	-	-	200	200	400	400
2		Project Presentation	-	12	4	-	-	-	100	100	200	200
3					-	-	-	-	-	-	-	-
4					-	-	-	-	-	-	-	-
5					-	-	-	-	-	-	-	-
6					-	-	-	-	-	-	-	-
7					-	-	-	-	-	-	-	-
8					-	-	-	-	-	-	-	-
Total			-	36	12	-	-	-	300	300	600	600
Total Period			36									
Theory:Practical (Ratio)			0.0%	100.0%								

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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	15	18	21	300	450	750	150	150	300	1,050
2	2nd Semester	17	15	22	340	510	850	125	125	250	1,100
3	3rd Semester	14	21	21	280	420	700	175	175	350	1,050
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	14	18	20	280	420	700	150	150	300	1,000
7	7th Semester	16	15	21	320	480	800	125	125	250	1,050
8	8th Semester	-	36	12	-	-	-	300	300	600	600
Total		107	159	160	2,140	3,210	5,350	1,325	1,325	2,650	8,000
Total Period		266									
Theory:Practical (Ratio)		40.2%	59.8%								