

7. STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN ELECTRONICS & COMMUNICATION ENGINEERING

FIRST SEMESTER

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
1.1*	Communication Skills -I	3	-	2	25	25	100	3	50	2	200
1.2*	Applied Mathematics-I	5	-	-	50	-	100	3	-	-	150
1.3*	Applied Physics – I	4	-	2	25	25	100	3	50	3	200
1.4*	Applied Chemistry – I	3	-	2	25	25	100	3	50	3	200
1.5*	Basics of Information Technology	-	-	4	-	50	-	-	100	3	150
1.6*	Engineering Drawing-I	-	-	6	-	50	100	3	25 (Viva)	2	175
1.7*	General Workshop Practice - I	-	-	6	-	50	-	-	+100	3	150
	# Student Centred Activities	-	-	3	-	25	-	-	-	-	25
	Total	15	-	25	125	250	500	-	375	-	1250

* Common with other diploma programmes

+ Includes 25 marks for Viva-voce

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

SECOND SEMESTER (ECE)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
2.1*	Communication Skills –II	3	-	2	25	25	100	3	50	2	200
2.2*	Applied Mathematics-II	5	-	-	50	-	100	3	-	-	150
2.3*	Applied Physics – II	4	-	2	25	25	100	3	50	3	200
2.4*	Applied Chemistry – II	3	-	2	25	25	100	3	50	3	200
2.5**	Basic Electrical Engineering	3	-	2	25	25	100	3	50	3	200
2.6**	Analog Electronics – I	4	-	2	25	25	100	3	50	3	200
2.7*	General Workshop Practice-II	-	-	6	-	50	-	-	+100	3	150
# Student Centred Activities		-	-	2	-	25	-	-	-	-	25
Total		22	-	18	175	200	600	-	350	-	1325

* Common with other diploma programmes

** Common with diploma programmes in Electronics and Instrumentation, Computer Engineering, Medical Electronics and Instrumentation and Control

+ Includes 25 marks for Viva-voce

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

THIRD SEMESTER (ECE)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
3.1 **	Analog Electronics – II	3	-	3	25	25	100	3	50	3	200
3.2 **	Computer Programming and Applications	2	-	4	25	25	100	3	50	3	200
3.3 *	Principles of Communication Engineering	3	-	2	25	25	100	3	50	3	200
3.4 **	Digital Electronics - I	4	-	2	25	25	100	3	50	3	200
3.5 **	Electronic Instruments and Measurement	3	-	3	25	25	100	3	50	3	200
3.6 *	Electrical Machines	3	-	3	25	25	100	3	50	3	200
# Student Centred Activities		-	-	5	-	25	-	-	-	-	25
Total		18		22	150	175	600	-	300	-	1225

* Common with other diploma programmes in Electronics (Power Electronics), Electronics and Instrumentation

** Common with diploma programmes in Electronics (Power Electronics), Instrumentation and Control,

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

FOURTH SEMESTER (ECE)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
4.1 *	Network Filters And Transmission Lines	3	-	3	25	25	100	3	50	3	200
4.2 **	Communication Systems	3	-	3	25	25	100	3	50	3	200
4.3	Instrumentation	3	-	2	25	25	100	3	50	3	200
4.4	Digital Electronics - II	3	-	3	25	25	100	3	50	3	200
4.5 *	Microprocessor and Peripheral Devices	4	-	2	25	25	100	3	50	3	200
4.6 *	Electronics Design and Fabrication Techniques	-	-	6	-	50	-	-	+50	3	100
# Student Centred Activities		-	-	5	-	25	-	-	-	-	25
Total		16		24	125	200	500	-	300	-	1125

* Common with other diploma programmes

** Common with diploma programme in Electronics (Power Electronics), Electronics Instrumentation and Electrical Engineering

+ Includes 25 marks for Viva-voce

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

Industrial Training - After examination of 4th Semester, the students shall go for training in a relevant industry/field organization for a minimum period of 6 weeks and shall prepare a diary. It shall be evaluated during 5th semester by his/her teacher for 50 marks. The students shall also prepare a report at the end of training and shall present it in a seminar, which will be evaluated for another 50 marks. This evaluation will be done by HOD and lecturer incharge – training in the presence of one representative from training organization.

FIFTH SEMESTER (ECE)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
	Industrial Training	-	-	-	-	50	-	-	50	3	100
5.1 *	Employability Skills - I	-	-	2	-	25	-	-	50	3	75
5.2	Consumer Electronics	3	-	3	25	25	100	3	50	3	200
5.3 **	Optical Fiber Communication	3	-	3	25	25	100	3	50	3	200
5.4	Trouble Shooting of Electronics Equipment	-	-	6	-	50	-	-	100	3	150
5.5	Microwave and Radar Engineering	3	-	3	25	25	100	3	50	3	200
5.6	Power Electronics	3	-	3	25	25	100	3	50	3	200
5.7 *	Environmental Education	3	-	-	50	-	100	3	-	-	150
	# Student Centred Activities including Personality Development Camp	-	-	5	-	25	-	-	-	-	25
	Total	15	-	25	150	250	500	-	400	-	1300

* Common with other diploma programmes

** Common with diploma programme in Electronics (Power Electronics)

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.

SIXTH SEMESTER (ECE)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
		Hrs/week			Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
6.1 *	Employability Skills - II	-	-	2	-	25	-	-	50	3	75
6.2	Maintenance of Computer System	4	-	3	25	25	100	3	50	3	200
6.3	Wireless and Mobile Communication	4	-	3	25	25	100	3	50	3	200
6.4	Elective: a) Medical Electronics b) V.L.S.I. System Design	4	-	3	25	25	100	3	50	3	200
6.5 *	Entrepreneurship Development and Management	3	-	-	50	-	100	3	-	-	150
6.6	Major Project Work	-	-	9	-	50	-	-	100	3	150
	# Student Centred Activities	-	-	5	-	25	-	-	-	-	25
	Total	15	-	25	125	175	400	-	300	-	1000

* Common with other diploma programmes

Student Centred Activities will comprise of co-curricular activities like extension lectures, library studies, games, hobby clubs e.g. photography, painting, singing, seminars, declamation contests, educational field visits, N.C.C., NSS, Cultural Activities, Civil Defence/Disaster Management activities etc.