

**7. STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME IN
COMPUTER 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 (COMPUTER ENGINEERING)

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	Programming in C	3	-	3	25	25	100	3	50	3	200
#	Student Centred Activities	-	-	2	-	25	-	-	-	-	25
Total		25	-	15	200	175	700	-	300	-	1375

* Common with other diploma programmes

** Common with diploma programmes in Electronics and Communication Engineering, Electronics and Instrumentation, 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 (COMPUTER ENGINEERING)

Sr. No	Subject	STUDY SCHEME			EVALUATION SCHEME						Total Marks
		Hrs/week			Internal Assessment		External Assessment (Examination)				
		L	T	P	Theory	Practical	Written Paper		Practical		
					Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
3.1	Operating System	4	-	2	25	25	100	3	50	3	200
3.2	Computer Peripheral and Interfacing	4	-	3	25	25	100	3	50	3	200
3.3	Data Communication	3	-	-	25	-	100	3	-	-	125
3.4*	Digital Electronics-I	4	-	2	25	25	100	3	50	3	200
3.5	Internet and Web Designing	4	-	3	25	25	100	3	50	3	200
3.6	Computer Workshop	-	-	6	-	50	-	-	50	3	100
Student Centred Activities#		-	-	5	-	25	-	-	-	-	25
Total		19	-	21	125	175	500	-	250	-	1050

* Common with diploma programme in Electronics and communication Engineering.

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 (COMPUTER ENGINEERING)

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	Hrs	Max. Marks	
4.1	Data Structure Using C	3	-	6	25	25	100	3	50	3	200
4.2	Computer Organization	4	-	-	25	-	100	3	-	-	125
4.3	Data Base Management System	3	-	3	25	25	100	3	50	3	200
4.4	Object Oriented Programming Using C	3	-	6	25	25	100	3	50	3	200
4.5 *	Microprocessor and Peripheral devices	4	-	3	25	25	100	3	50	3	200
Student Centred Activities #		-	-		-	25	-	-	-	-	25
Total		17	-	23	125	125	500	-	200	-	950

* Common with diploma programme in Electronics and Communication Engineering

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 one month 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 (COMPUTER ENGINEERING)

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	Computer Networks	4	-	2	25	25	100	3	50	3	200
5.2	Software Engineering	3	-	-	25	-	100	3	-	-	125
5.3 *	Employability Skills – I	-	-	2	-	25	-	-	50	3	75
5.4 *	Environmental Education	3	-	-	25	-	100	3	-	-	125
5.5	RDBMS	3	-	6	25	25	100	3	50	3	200
5.6 **	Elective	3	-	6	25	25	100	3	50	3	200
5.7	Troubleshooting of Computer System	-	-	3	-	50	-	-	50	3	100
Student Centred Activities#		-	-	5	-	25	-	-	-	-	25
Total		16	-	24	125	225	500	-	300	-	1150

* Common with other diploma programmes

** Choose any one out of the following

5.6.1 Visual Basic

5.6.2 P.H.P

+ Common with diploma programme in Electronics and Communication Engg.

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 COMPUTER ENGINEERING

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	Network Security	3	-	3	25	25	100	3	50	3	200
6.2	Distributed Computing	3	-	-	25	-	100	3	-	-	125
6.3	Programming in Java	3	-	3	25	25	100	3	50	3	200
6.4 *	Employability Skills – II	-	-	2	-	25	-	-	50	3	75
6.5*	Entrepreneurship Development and Management	3	-	-	25	-	100	3	-	-	125
6.6	Project Work	-	-	15	-	100	-	-	100	3	200
Student Centred Activities #		-	-	5	-	25	-	-	-	-	25
Total		12	-	28	100	200	400	-	250	-	950

* 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.