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)				
					Theory	Practical	Written Paper		Practical		
		Hrs/week			Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
		L	T	P							
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)				
					Theory	Practical	Written Paper		Practical		
		Hrs/week			Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
		L	T	P							
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
					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	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 Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					Theory	Practical	Written Paper		Practical		
		L	T	P	Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
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 Hrs/week			EVALUATION SCHEME						Total Marks
					Internal Assessment		External Assessment (Examination)				
					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)				
					Theory	Practical	Written Paper		Practical		
		Hrs/week			Max. Marks	Max. Marks	Max. Marks	Hrs	Max. Marks	Hrs	
		L	T	P							
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.