DIPLOMA IN COMPUTER ENGINEERING
SCHEME OF INSTRUCTIONS AND EXAMINATION

CURRICULUM-2020

(FIRST YEAR)

Sub Code	Name of the Subject	Instruction Periods / Week		Total Periods Per Year	Scheme Of Examinations			
		Theory	Practicals		Duration (hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY SUBJECTS								
CM-101	English-I	3	-	90	3	20	80	100
CM-102	Engineering Mathematics - I	5	-	150	3	20	80	100
CM-103	Engineering Physics	4	-	120	3	20	80	100
CM-104	Engineering Chemistry and Environmental studies	4	-	120	3	20	80	100
CM-105	Basics of Computer Engineering	3	-	90	3	20	80	100
CM-106	Programming in C	5	-	150	3	20	80	100
PRACTICAL SUBJECTS								
CM-107	Engineering Drawing	-	6	180	3	40	60	100
CM-108	Programming in C Lab		6	180	3	40	60	100
CM-109	Physics Lab	-	3	90	1.5	20	30	50
CM-110	Chemistry Lab	-	3	90	1.5	20	30	50
CM-111	Computer Fundamentals Lab		3	90	3	40	60	100
	Total	**24**	**18**		-			**1000**

CM-101,102,103,104,107,109,110 common with all branches

CM-106,108 common with DIT branch

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CURRICULUM-2020

(III Semester)

Sub Code	Name of the Subject	Instruction Periods / Week		Total Periods Per Semester	Scheme Of Examinations			
		Theory	Practicals		Duration (hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY SUBJECTS								
CM-301	Mathematics –II	4		60	3	20	80	100
CM-302	Digital Electronics	5	-	75	3	20	80	100
CM-303	Operating systems	4	-	60	3	20	80	100
CM-304	Data Structures through C	6	-	90	3	20	80	100
CM-305	DBMS	6	-	90	3	20	80	100
PRACTICAL SUBJECTS								
CM-306	Digital Electronics Lab	-	3	45	3	40	60	100
CM-307	Data Structures Through C Lab	-	6	90	3	40	60	100
CM-308	DBMS Lab	-	4	60	3	40	60	100
CM-309	Multimedia Lab		4	60	3	40	60	100
	Total	**25**	**17**	**630**		**260**	**640**	**900**

CM-301 common with all branches
CM-303,304,305,307,308,309 common with DIT branch

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CURRICULUM-2020

(IV Semester)

Sub Code	Name of the Subject	Instruction Periods / Week		Total Periods Per Semester	Scheme Of Examinations			
		Theory	Practicals		Duration (hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY SUBJECTS								
CM-401	Mathematics III	3	-	45	3	20	80	100
CM-402	Web Technologies	5	-	75	3	20	80	100
CM-403	Computer Organization And Microprocessors	5	-	75	3	20	80	100
CM-404	OOP through C++	5	-	75	3	20	80	100
CM-405	Computer Networks	5	-	75	3	20	80	100
PRACTICAL SUBJECTS								
CM-406	Web Technologies Lab	-	6	90	3	40	60	100
CM-407	OOP through C++ Lab	-	4	60	3	40	60	100
CM-408	Communication Skills	-	3	45	3	40	60	100
CM-409	Computer Hardware & Network Maintenance Lab	-	6	90	3	40	60	100
	Total	**23**	**19**	**630**	**-**	**260**	**640**	**900**

CM-401&408 common with all branches
CM-402,406, common with DIT branch
CM405 common with IT302

DIPLOMA IN COMPUTER ENGINEERING
SCHEME OF INSTRUCTIONS AND EXAMINATION

CURRICULUM-2020

(V Semester)

Sub Code	Name of the Subject	Instruction Periods/Week		Total Periods Per Semester	Scheme Of Examinations			
		Theory	Practicals		Duration (hrs)	Sessional Marks	End Exam Marks	Total Marks
THEORY SUBJECTS								
CM-501	Industrial Management and Entrepreneurship	5	-	75	3	20	80	100
CM-502	Java Programming	5	-	75	3	20	80	100
CM-503	Software Engineering	5	-	75	3	20	80	100
CM-504	Internet Of Things	5	-	75	3	20	80	100
CM-505	Python programming	5	-	75	3	20	80	100
PRACTICAL SUBJECTS								
CM-506	Java Programming Lab	-	4	60	3	40	60	100
CM-507	Python Programming Lab	-	4	60	3	40	60	100
CM-508	Life Skills	-	3	45	3	40	60	100
CM-509	Project work	-	6	90	3	40	60	100
	Total	**25**	**17**	**630**	**-**	**260**	**640**	**900**

Note:CM-501,502,503,506 common with DIT branch
CM-505 common with IT 404
CM-507 common with IT 407
CM-508 common with all branches

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CURRICULUM-2020

(VI Semester)

CM-601 Industrial Training

Sl. No	Subject	Duration	Scheme of evaluation		
			Item	Nature	Max. Marks
1	Industrial Training	6 months	1.First Assessment at Industry (After 12 Weeks)	Assessment of learning outcomes by both the faculty and training mentor of the industry	120
			2.Second Assessment at the Industry (After 22 weeks))	Assessment of learning outcomes by both the faculty and training mentor of the industry	120
			Final Summative assessment at institution level	Training Report	20
				Demonstration of any one of the skills listed in learning outcomes	30
				Viva Voce	10
TOTAL MARKS					300

- The candidate shall put a minimum of 90% attendance during Industrial Training.
- If the student fails to secure 90% attendance during industrial training, the student shall reappear for 6 months industrial training.
- Formative assessment at industry level shall be carried out by the Mentor from of the industry, where the student is undergoing training and the faculty in charge (Guide) from the concerned section in the institution.