



COURSE SCHEME												
BATCH 2017-2020												
DIPLOMA IN COMPUTER SCIENCE												
CHOICE BASED CREDIT SYSYTEM												
SEMESTER I												
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit	
			L	T	P	Assignment	TA	Total	ESE			
1	9D.103	Basic Mathematics 1	3	0	0	20	10	30	70	100	3	
2	9D.106	Basic Physics 1	3	0	0	20	10	30	70	100	3	
3	9D.104	Basic Chemistry	3	0	0	20	10	30	70	100	3	
4	9D.102	Computer fundamental	2	0	0	20	10	30	70	100	2	
5	40D.101	Life Skills I	2	0	0	20	10	30	70	100	2	
PRACTICAL /SESSIONAL												
6	9DP.106	Basic Physics Lab	0	0	2			30	20	50	1	
7	9DP.104	Basic Chemistry Lab	0	0	2			30	20	50	1	
8	9DP.107	Workshop Practice I	0	0	4			30	20	50	2	
9	9DP.102	Computer fundamental Lab	0	0	2			30	20	50	1	
10	9DP.105	Basic Engineering Graphics	0	0	4			30	20	50	2	
										TOTAL	750	20
SEMESTER II												
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit	
			L	T	P	Assignment	TA	Total	ESE			
1	9D.154	Basic Mathematics II	3	0	0	20	10	30	70	100	3	
2	9D.151	Basic Physics II	3	0	0	20	10	30	70	100	3	
3	9D.153	Engineering Mechanics	3	0	0	20	10	30	70	100	3	
4	9D.155	Basic Electrical & Electronics Engineering	3	0	0	20	10	30	70	100	3	
5	9D.152	Enviormental Studies	3	0	0	20	10	30	70	100	3	
6	40D.201	Life Skills II	1	2	0	20	10	30	70	100	2	
PRACTICAL /SESSIONAL												
7	9DP.151	Basic Physics II Lab	0	0	2			30	20	50	1	
8	9DP.153	Engineering Mechanics Lab	0	0	2			30	20	50	1	
9	9DP.155	Basic Electrical & Electronics Engineering Lab	0	0	2			30	20	50	1	
10	9DP.156	Workshop Practice II	0	0	4			30	20	50	2	
										TOTAL	800	22

SEMESTER III											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	9D.204	Applied Mathematics	3	0	0	20	10	30	70	100	3
2	3D.203	VB.Net	3	0	0	20	10	30	70	100	3
3	3D.202	Data Structures	3	0	0	20	10	30	70	100	3
4	6D.202	Digital Electronics	3	0	0	20	10	30	70	100	3
5	3D.205	Object Oriented Programming	2	0	0	20	10	30	70	100	2
6	40.201	Communication and Soft Skills	2	0	0	20	10	30	70	100	2
7	14D.201	**Disaster Management	3	0	0	20	10	30	70	100	0
PRACTICAL /SESSIONAL											
8	3DP.203	VB.Net Lab			2	1	2	30	20	50	1
9	3DP.202	Data Structure Lab			2	1	2	30	20	50	1
10	6DP.202	Digital Electronics Lab			2	1	2	30	20	50	1
11	3DP.205	Object Oriented Programming Lab			2	1	2	30	20	50	1
								TOTAL	900	20	

** Denotes Qualifying Non Credit Course

SEMESTER IV											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	3D.251	Relational Database Management System	3	0	0	20	10	30	70	100	3
2	6D.256	Microprocessor and Interfacing	3	0	0	20	10	30	70	100	3
3	3D.253	Computer Graphics	3	0	0	20	10	30	70	100	3
4	3D.254	Computer Network	3	0	0	20	10	30	70	100	3
5	3D.255	Computer Architecture and Maintenance	3	0	0	20	10	30	70	100	3
6	40.251	Professional skills	2	0	0	20	10	30	70	100	2
7	40.151	Life Skills II* (Lateral)	2	0	0	20	10	30	70	100	

Note :- * (Qualifying For Lateral Students only)

PRACTICAL /SESSIONAL											
8	3DP.251	Relational Database Management System Lab	0	0	2			30	20	50	1
9	6DP.256	Microprocessor and Interfacing Lab	0	0	2			30	20	50	1
10	3DP.253	Computer Graphics Lab	0	0	2			30	20	50	1
								TOTAL	850	20	

SEMESTER V											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	3D.301	Java Programming	3	0	0	20	10	30	70	100	3
2	3D.306	Simulation & Modeling	3	0	0	20	10	30	70	100	3
3	3D.303	Software Engineering	3	0	0	20	10	30	70	100	3
4	3D.304	Operating System	3	0	0	20	10	30	70	100	3
5	3D.305	Computer Security	3	0	0	20	10	30	70	100	3
6	40.301	Seminar in Executive Communication	0	2	0	20	10	30	70	50	0
PRACTICAL /SESSIONAL											
7	3DP.301	Java Programming Lab	0	0	2			30	20	50	1
8	3DP.306	Simulation & Modeling Lab	0	0	2			30	20	50	1
9	3DP.304	Operating System Lab	0	0	2			30	20	50	1
								TOTAL	700	18	
SEMESTER VI											
S. No	CODE	COURSE TITLE	Periods			Evaluation Scheme				Subject Total	Credit
			L	T	P	Assignment	TA	Total	ESE		
1	3D.355	Python programming	3	0	0	20	10	30	70	100	3
2	3D.352	System Programming	3	0	0	20	10	30	70	100	3
3	7D.351	Principle of Management	3	0	0	20	10	30	70	100	3
4	3D.354	Software Testing	3	0	0	20	10	30	70	100	3
5	40D.45`	Human Values and Ethics	0	2	0	20	10	30	70	100	0
PRACTICAL /SESSIONAL											
6	3DP.355	Python Programming Lab	0	0	2			30	20	50	1
7	3DP.352	System Programming Lab	0	0	2			30	20	50	1
8	3DP.354	Software Testing Lab	0	0	2			30	20	50	1
9	3D.395	Industrial project	0	0	5			100	50	150	5
								TOTAL	800	20	

Total Credits		120
Semester 1		20
Semester 2		22
Semester 3		20
Semester 4		20
Semester 5		18
Semester 6		20

5th Semester					
Departmental Electives					
3C.322	Internet and Website Management	4	0	0	4
3.421	Cryptography and Network Security	4	0	0	4
6.304	Digital Signal Processing	4	0	0	4
6.255	Digital Electronics	4	0	0	4
6th Semester					
Open Elective					
11.202	Research Methodology	4	0	0	4
11.301	Project Management	4	0	0	4
6.304	Digital Signal Processing	3	0	1	4
11.254	Business Ethics	3	0	1	4
** Denotes Qualifying Non Credit Course					
MOOCS introduced through SWAYAM in all Semesters					