



College Of Technology(01)

Department Of Information Technology (010)

Diploma Engineering(02)

Effective From: 2020-2021 (ONWARDS)

Sr No	Subject Code	Subject Name	Category	Teaching Scheme				Evaluation Scheme				Total Marks	
				L.	T.	P.	Credit	CIE(TH)	CIE(PR)	ESE(TH)	ESE(PR)		
Semester 1													
1	1010272101	Mathematics-I	Basic Science	2	2	0	4	40	-	60	-	100	
2	1010252103	Applied Physics-I	Basic Science	3	0	2	4	40	20	60	30	150	
3	1010152181	English	HSS	2	0	2	3	40	20	60	30	150	
4	1010122111	Engineering Graphics	Engineering Science	2	0	4	4	40	20	60	30	150	
5	1010122112	Engineering Workshop Practice	Engineering Science	0	0	4	2	-	40	-	60	100	
6	1010002196	Induction Programme	Mandatory Course	0	0	0	0	-	-	-	-	-	
7	1010032196	Environmental Science	Mandatory Course	2	1	0	0	40	-	60	-	100	
Total				11	3	12	17					Total Marks	750
Semester 2													
1	1010272102	Mathematics-II	Basic Science	2	2	0	4	40	-	60	-	100	
2	1010252104	Applied Physics-II	Basic Science	3	0	2	4	40	20	60	30	150	
3	1010262105	Applied Chemistry	Basic Science	3	0	2	4	40	20	60	30	150	
4	1010152182	Communication Skills and Personality	HSS	1	0	2	2	40	20	60	30	150	
5	1010042111	Logic Building & Programming	Engineering Science	3	0	2	4	40	20	60	30	150	
6	1010082112	Fundamentals of Electrical & Electronics	Engineering Science	3	0	2	4	40	20	60	30	150	
Total				15	2	10	22					Total Marks	850
Semester 3													
1	1010042216	Data Structure	Professional Core	4	0	2	5	40	20	60	30	150	
2	1010042217	DataBase Management System	Professional Core	4	0	2	5	40	20	60	30	150	
3	1010042218	Operating System	Professional Core	4	0	2	5	40	20	60	30	150	
4	1010082223	Digital Logics and Design	Professional	3	0	2	4	40	20	60	30	150	
5	1010042236	Computer Organization	Professional	3	0	2	4	40	20	60	30	150	
6	1010042261	Multimedia Techniques	Open Elective-I	3	0	2	4	40	20	60	30	150	
7	1010042262	Object Oriented Programming with C++	Open Elective-I	3	0	2	4	40	20	60	30	150	
Total				18	0	10	23					Total Marks	750

Semester 4													
1	1010042296	IT ACT 2002	Audit Course	1	0	0	0	0	40	0	60	100	
2	1010042221	Computer Networks	Professional Core	4	0	2	5	40	20	60	30	150	
3	1010042219	Software Engineering	Professional Core	4	0	2	5	40	20	60	30	150	
4	1010042220	Object Oriented Programming with JAVA	Professional Core	4	0	2	5	40	20	60	30	150	
5	1010042237	Wireless Communication	Professional	3	0	2	4	40	20	60	30	150	
6	1010102236	Data Mining and Warehousing	Professional	3	0	2	4	40	20	60	30	150	
7	1010102261	Internet Technology	Open Elective-II	2	0	2	3	40	20	60	30	150	
8	1010102262	Cyber Security	Open Elective-II	2	0	2	3	40	20	60	30	150	
9	1010002291	Problem Based Learning -I	Project Work	0	0	2	1	0	40	0	60	100	
Total				18	0	12	23					Total Marks	950
Semester 5													
1	1010042317	Web Technology	Professional Core	4	0	2	5	40	20	60	30	150	
2	1010102316	Essentials of Network Security	Professional Core	4	0	2	5	40	20	60	30	150	
3	1010102317	Advanced Java Programming	Professional Core	4	0	2	5	40	20	60	30	150	
4	1010102336	Advance Database Managment	Professional	3	0	2	4	40	20	60	30	150	
5	1010042337	Mobile Technology	Professional	3	0	2	4	40	20	60	30	150	
6	1010042361	Basics of Python Programming	Open Elective-III	2	0	2	3	40	20	60	30	150	
7	1010042362	Introduction to Cloud Infrastructure	Open Elective-III	2	0	2	3	40	20	60	30	150	
8	1010002391	Problem Based Learning-II	Project Work	0	0	2	1	0	40	0	60	100	
9	1010102391	Internship	Project Work	0	0	0	1	0	40	0	60	100	
Total				17	0	12	24					Total Marks	950
Semester 6													
1	1010102392	Project	Project Work	0	0	20	10	0	40	0	60	100	
2	1010342381	Employability Enhancement & Job Skills	HSS	0	1	0	1	0	*40	0	*60	100	
Total				0	1	20	11					Total Marks	200