Semester-wise Course Structure

1st Semester					
Course Code	**Course Title**	**L**	**T**	**P**	**Cr**
MTH-S101	Mathematics–I	3	1	0	4
PHY-S101	Physics–I	3	1	3	5
ISC-S101	Programming and Computing (C &Unix)	3	0	3	5
TCA-S102	Workshop Concepts	0	2	4	5
HSS- S101	Professional Communication	3	1	0	4
	Total	**12**	**5**	**10**	**23**

2nd Semester					
Course Code	**Course Title**	**L**	**T**	**P**	**Cr**
MTH-S102	Mathematics II	3	1	0	4
PHY-S102	Physics II	3	1	3	5
CHM-S101	Chemistry I	3	0	3	5
TCA-S101	Engg. Drawing	0	2	4	5
ESC-S101	Basic Electrical &Electronics Engineering	3	1	3	5
	Total	**12**	**5**	**13**	**24**

3rd Semester

Course Code	Course Title	L	T	P	Cr
DIT-S201	Object Oriented Programming	3	1	3	5
DIT-S203	Digital Electronics	3	0	2	5
MTH-S201	Mathematics III	3	2	0	4
---	Departmental Electives	3	1	0	4
EVS–S101	Environmental Science	2	0	0	2
UHV–S201	Universal Human Values	2	1	0	3
DIT-S205	Data Structures	3	1	3	5
GP-101	General Proficiency				1
	Total	**19**	**6**	**8**	**29**

4th Semester

Course Code	Course Title	L	T	P	Cr
DIT-S202	Computer Organisation	3	1	0	4
---	Departmental Elective	0	0	3	4
DIT-S206	Software Engineering	3	0	3	5
HSS-S401	Industrial Economics	3	0	0	4
MTH-S301	Discrete Mathematics	3	1	0	4
GP-102	General Proficiency				1
	Total	**12**	**2**	**6**	**29**

5th Semester

Course Code	Course Title	L	T	P	Cr
--	Departmental Elective	3	0	0	4
DIT-S303	Theory of computation	3	0	0	4
DIT-S305	Design & Analysis of Algorithm	3	0	0	4
DIT-S307	DBMS	3	1	3	5
DIT-S309	Operating System	3	0	3	4
GP-103	General Proficiency				1
	Total	**15**	**1**	**6**	**22**

6th Semester

Course Code	Course Title	L	T	P	Cr
DIT-S302	Computer Networks	3	0	3	4
DIT-S308	Internet Technology	3	0	3	5
---	Departmental Elective				4 or 5
---	Departmental Elective				4 or 5
---	Mathematics Elective				4 or 5
SST-S301	Summer Training	0	0	1	2
HSS-S301	Professional Communication	1	1	1	2
GP-104	General Proficiency				1
	Total				**26 or 29**

7th Semester

Course Code	Course Title	L	T	P	Cr
DIT-S401	Digital Image Processing	3	0	3	5
----	Departmental Elective				4 or 5
----	Departmental Elective				4 or 5
HSS-S201	Industrial Management	3	0	0	4
PRT-S401	BTech. Project I	0	0	6	4
SSM-S401	Student Seminar	0	0	2	2
GP-105	General Proficiency				1
	Total				**24 or 26**

8th Semester

Course Code	Course Title	L	T	P	Cr
DIT-S402	Information Systems	3	1	0	4
---	Departmental Elective				4 or 5
---	Departmental Elective				4 or 5
---	Departmental Elective				4 or 5
PRT-S402	BTech. Project II	0	0	6	4
GP-106	General Proficiency				1
	Total				**21 or 24**

Note: Total No. of Lectures in each course should in the range 40 to 45 per semester if per week three lectures are allotted.

Total Credits – 198 to 206