Program Structure for Diploma (Information Technology) Programme (Batch 2025-28)

Year of the Programme: First Year (Academic Year 2025-26)

Semester - I			Semester - II		
S. No.	**Course**	**Credits**	**S. No.**	**Course**	**Credits**
1	Mathematics-I	4	1	Mathematics-II	4
2	Applied Physics-I	3	2	Applied Physics-II	3
3	Applied Chemistry	2	3	Introduction to Electrical and Electronics Engineering	3
4	Communication Skills	3	4	Introduction to Electrical and Electronics Engineering Lab	1
5	Engineering Drawing	3	5	Engineering Mechanics	4
6	Engineering Workshop Practice	2	6	Introduction to Object Oriented Programming	3
7	Computer Programming	1	7	Social and Life Skills	1
8	Applied Physics-I Lab	1	8	Applied Physics-II Lab	1
9	Applied Chemistry Lab	1			
	Total	**20**		**Total**	**20**

Year of the Programme: Second Year (Academic Year 2026-27)

Semester - III			Semester - IV		
S. No.	**Course**	**Credits**	**S. No.**	**Course**	**Credits**
1	Mathematics-III	4	1	Introduction to Database Management System	3
2	Data Structures	3	2	Website Designing	3
3	Digital Techniques	4	3	Data Communication and Computer Networks	3
4	Introduction to Software Development	3	4	Entrepreneurship Development and Startups	2
5	Basic Computer Hardware and Troubleshooting	1	5	Python Programming Essentials	1
6	Basics of Multimedia and Animation	2	6	Introduction to Operating Systems	3
7	Computer System Architecture	2	7	Microprocessor and Microcontrollers	4
8	Community Engagement	0	8	Data Analysis and Visualization	2
			9	Internship	4
	Total	**19**		**Total**	**25**

Year of the Programme: Third Year (Academic Year 2027-28)

Semester - V			Semester - VI		
S. No.	**Course**	**Credits**	**S. No.**	**Course**	**Credits**
1	Foundations of Linux	3	1	Introduction to Cloud Computing	3
2	Mobile Application Development for Beginners	3	2	Introduction to Game Design	3
3	Introduction to Data Warehouse	2	3	Introduction to Artificial Intelligence and Machine Learning	3
4	Data Mining Techniques	4	4	Basics of Visual Analytics	1
5	E-Commerce Basics	3	5	Department Elective-II	3
6	Capstone Project Planning	2	6	Emerging Trends in IT	1
7	Indian Constitution	0	7	Environmental Science and Sustainability	2
8	Department Elective-I	**3**	8	Capstone Project Execution	4
	Total	**20**		**Total**	**20**

Total no. of credits	**124**
Total no of courses	**50**