

# DIPLOMA IT SYLLABUS

## **I year**

Sl.No	Subject code	Subject Name	Page No
1	IT-101	English – I	24
2	IT-102	Engineering Mathematics - I	26
3	IT-103	Engineering Physics	37
4	IT-104	Engineering Chemistry and Environmental Studies	44
5	IT-105	Computer Fundamentals & Programming in C	50
6	IT-106	Computer Fundamentals & Programming in C lab	56
7	IT-107	Engineering Drawing	58
8	IT-108	Physics Laboratory	66
9	IT-109	Chemistry Laboratory	68
10	IT-110	Information Technology Lab	69

## **III semester**

Sl.No	Subject Code	Subject Name	Page No
1	IT-301	English – II	72
2	IT-302	Engineering Mathematics –II	73
3	IT-303	Multimedia Basics	77
4	IT-304	Digital Electronics & Computer Architecture	81
5	IT-305	Data Structures through C	85
6	IT-306	RDBMS	88
7	IT-307	Data Structures Lab	92
8	IT-308	Digital Electronics Lab	93
9	IT-309	Multimedia lab	94
10	IT-310	RDBMS Lab	95

#### IV Semester

Sl.No	Subject Code	Subject Name	Page No
1	IT-401	English – III	97
2	IT-402	Operating systems	98
3	IT-403	Computer Hardware & Networking	101
4	IT-404	OOP through C++	104
5	IT-405	System Administration	107
6	IT-406	Web Designing	110
7	IT-407	Computer Hardware & Networking Lab	114
8	IT-408	C++ Lab	116
9	IT-409	System Administration lab	117
10	IT-410	Web Designing lab	118

#### V semester

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1	IT- 501	Practical Training in the Industry	120

#### VI semester

Sl.No	Subject Code	Subject Name	Page.No
1	IT-601	English – IV	125
2	IT-602	Industrial Management and Entrepreneurship	126
3	IT-603	Software Engineering	131
4	IT-604	Java Programming	135
5	IT-605	.Net Programming	138
		ELECTIVES	
		(A) Computer graphics	142
6	IT-606	(B) E-Commerce	145
		(C) Internetworking with TCP/IP	148
7	IT-607	Software Engineering lab	153
8	IT-608	Java Programming Lab	154
9	IT-609	.NET Programming Lab	155
10	IT-610	Project Work	156