

5. ABSTRACT OF CURRICULUM AREAS/ SUBJECTS

The subjects have been divided in four different categories:

Basic Sciences

- (1) Communication Skills - 1 & II
- (2) Employability Skills - 1 & II
- (3) Environmental Education
- (4) Entrepreneurship Development and Management

Applied Sciences

- (5) Applied Physics - I & II
- (6) Applied Chemistry - I & II
- (7) Applied Mathematics - I and II

Basic Courses in Engineering/ Technology

- (8) Engineering Drawing-I
- (9) General Workshop Practice - I
- (10) Basics of Information Technology

Area Specific Engineering/ Technology Subjects

- (11) Basic Electrical Engineering
- (12) Analog Electronics - I
- (13) Programming in C
- (14) Operating System
- (15) Digital Electronics- I
- (16) Computer Peripheral and Interfacing
- (17) Data Communication
- (18) Internet and Web Designing
- (19) Computer Workshop
- (20) Data Structure using C
- (21) Computer Architecture and Organization
- (22) Data base Management System
- (23) Object Oriented Programming using C + +
- (24) Microprocessor
- (25) Computer Networks
- (26) Software Engineering
- (27) RDBMS
- (28) Troubleshooting of Computer System
- (29) Network Security
- (30) Distributed Computing
- (31) Programming in Java
- (32) Project Work
- (33) Student Centered Activities

Specialised Courses in Engineering/ Technology

Elective to choose any one from the following:

- (34) Visual Basic
- (35) P.H.P

6. HORIZONTAL AND VERTICAL ORGANISATION OF THE SUBJECTS

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Sr. No.	Subject	Distribution of time in various semesters					
		I	II	III	IV	V	VI
1.	Communication Skills	5	5	-	-	-	-
2.	Applied Mathematics	5	5	-	-	-	-
3.	Applied Physics	6	6	-	-	-	-
4.	Applied Chemistry	5	5	-	-	-	-
5.	Engineering Drawing	6	-	-	-	-	-
4.	General Workshop Practice	6	-	-	-	-	-
5.	Basics of Information Technology	4	-	-	-	-	-
6.	Basic Electrical Engineering	-	5	-	-	-	-
7.	Analog Electronics -I	-	6	-	-	-	-
8.	Programming in C	-	6	-	-	-	-
9.	Operating System	-	-	6	-	-	-
10.	Digital Electronics- I	-	-	6	-	-	-
11.	Computer Peripheral and Interfacing	-	-	7	-	-	-
12.	Data Communication	-	-	3	-	-	-
13.	Internet and Web Designing	-	-	7	-	-	-
14.	Computer Workshop	-	-	6	-	-	-
15.	Data Structure using C	-	-	-	9	-	-
16.	Computer Architecture and Organization	-	-	-	4	-	-
17.	Data base Management System	-	-	-	6	-	-
18.	Employability Skills	-	-	-	-	2	2
19.	Object Oriented Programming using C	-	-	-	9	-	-
20.	Microprocessor	-	-	-	7	-	-
21.	Computer Networks	-	-	-	-	6	-
22.	Software Engineering	-	-	-	-	3	-
23.	RDBMS	-	-	-	-	9	-
24.	Environmental Education	-	-	-	-	3	-
25.	Troubleshooting of Computer System	-	-	-	-	3	-
26.	Network Security	-	-	-	-	-	6
27.	Distributed Computing	-	-	-	-	-	3
28.	Programming in Java	-	-	-	-	-	6
29.	Elective: a) Visual basic b) P.H.P	-	-	-	-	9	-
30.	Entrepreneurship Development and Management	-	-	-	-	-	3
31.	Project Work	-	-	-	-	-	15
32.	Student Centered Activities	3	2	5	5	5	5
	Total	40	40	40	40	40	40