



BRILLIANT INSTITUTE OF ENGINEERING AND TECHNOLOGY

Abdullapur(V), Abdullapur Met(M) R.R Dist.– 501505

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Lesson Plan: PROGRAMMING FOR PROBLEM SOLVING (151AC) (AY 2019-20)

Sl. No	Name of the Topic	Refererence Book	No.of Periods	Total No. of Periods	Delivery Method
UNIT I					
1	Introduction to components of a computer system	T ₁ ,T ₂ ,R1	5	5	Black Board
2	Introduction to algorithms	T1,T2	4	9	Black Board
3	Introduction to c programming variables	T1,R1	2	11	Black Board
4	Syntax	T ₁ ,T ₂ ,R1	2	13	Black Board
5	Operators	T ₁ ,T ₂ ,R1	5	18	Black Board
6	Expressions	T ₁ ,T ₂ ,R1	2	20	Black Board
7	Storage classes,type conversion, command line arguments	T ₁ ,T ₂ ,R1	3	23	Black Board
8	Control branching	T ₁ ,T ₂ ,R1	2	25	Black Board
9	Control looping and I/O	T ₁ ,T ₂ ,R1	3	28	Black Board
UNIT II					
1	Arrays	T ₁ ,T ₂ ,R1	3	3	Black Board
2	Strings	T ₁ ,T ₂ ,R1	2	5	Black Board
3	Structures	T ₁ ,T ₂ ,R1	3	8	Black Board
4	Pointers	T ₁ ,T ₂ ,R1	3	11	Black Board
UNIT III					
1	Preprocessor	T ₁ ,T ₂ ,R1	3	3	Black Board
2	Text files and binary files	T ₁ ,T ₂ ,R1	1	4	Black Board
3	File operations	T ₁ ,T ₂ ,R1	3	7	Black Board
4	Random file oprations	T ₁ ,T ₂ ,R1	2	9	Black Board

UNIT IV					
1	Functions: designing and declaration	T ₁ ,T ₂ ,R1	3	3	Black Board
2	Passing parameter	T ₁ ,T ₂ ,R1	2	5	Black Board
3	Some c standard function	T ₁ ,T ₂ ,R1	1	6	Black Board
4	Recursive function	T ₁ ,T ₂ ,R1	1	7	Black Board
5	Dynamic memory allocation	T ₁ ,T ₂ ,R1	2	9	Black Board
UNIT V					
1	Introduction to algorithms for finding roots,min,max and prime numbers	T ₁ ,T ₂ ,R1	3	3	Black Board
2	Searching(linear search, binary search)	T ₁ ,T ₂ ,R1	3	6	Black Board
3	Sorting(Bubble sort, selection sort and insertion sort)	T ₁ ,T ₂ ,R1	4	10	Black Board

TEXT BOOKS:

1. Byron Gottfried, Schaum`s Outline of Programming with C
2. B.A. Forouzan and R.F. Gulberg C Programming and Data Structures

REFERENCE BOOKS:

1. Brian W. Kernighan and Dennis M. Ritchie
2. Hall of India

WEB RESOURCES: