



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course Code / Name : U15CS101/Fundamentals of Computing and C Programming

Class (Year / Programme / Department / Section): I/BE/CSE/A&B

LESSON PLAN

UNIT -1 (COMPUTER FUNDAMENTALS)				
Session No	Topic	Duration in Minutes	Teaching Aid	Book Referred
1	Introduction	45	BB	R2
2	Evolution	45	BB	R2
3	Generation	45	BB	R2
4	Classification	45	BB	R2
5	Components of Computer System	45	BB	R2
6	Application	45	BB	R2
7	Evolution of Internet	45	BB	R2
8	Classification of Programming Languages	45	BB	R2
9	Algorithm , Pseudo Code , Flowchart.	45	BB	R2
UNIT -2 (FUNDAMENTALS OF C)				
1	Introduction	45	BB	R2
2	Identifier, Keywords, Variables, Data types of C, Const	45	BB	R2
3	Operators and Expression	45	BB	R2
4	Type conversion in C –	45	BB	R2
5	Formatted Input and Output function	45	BB	R2
6	Decision Making and Branching	45	BB	R2
7	Conditional Operators	45	BB	R2
8	Switch Statement	45	BB	R2
9	, While Construct, GOTO statements, Nested Loops.	45	BB	R2
UNIT -3 (ARRAYS AND STRINGS)				
1	Introduction	45	BB	R1
2	One Dimensional Arrays	45	BB	R1
3	Working with 1D Array	45	BB	R1
4	Strings	45	BB	R1
5	String Manipulations	45	BB	R1
6	N Dimensional Array	45	BB	R1
7	Working with 2D Arrays	45	BB	R1
8	Arrays of Strings	45	BB	R3
9	Manipulating String Array	45	BB	R3
UNIT -4(FUNCTIONS AND POINTERS)				
1	Concept of Function .	45	BB	R1
2	User Defined Functions	45	BB	R1
3	Scope Rules	45	BB	R1
4	Storage Classes	45	BB	R1
5	Recursion,	45	BB	R1
6	Common Errors	45	BB	R1
7	Pointers: Void and Null Pointers	45	BB	R1
8	Arrays and Pointer	45	BB	R1
9	Pointer and Strings, Pointer Arithmetic	45	BB	R1
UNIT -5 (USER DEFINED DATA TYPES & VARIABLES)				
1	Introduction	45	PPT	R1

2	Structures	45	PPT	R1
3	Structures within Structures	45	PPT	R1
4	Array of Structure	45	PPT	R1
5	Array within Structures	45	PPT	R1
6	Structures and Pointers	45	PPT	R1
7	Structures and Functions	45	PPT	R1
8	Union	45	PPT	R1
9	Enumeration Types – Bit Field	45	PPT	R1