

LESSON PLAN	
Faculty Name	Sh. Sandeep Kumar
Discipline	Electronics and Communication(ECE)
Subject	Programming in C (PIC)
Semester	3 rd
Lesson Plan duration	15 weeks
Work load (per week-Lecture/Practical)	03 Hrs. (Lecture) / 04 Hrs. per Group (Practical)

Week	Lecture Day	Theory	Practical
		Topic (including assignment/ test)	Topic
1st	1	Algorithm and Programming Development	Example/ Exercise on Flow chart and Algorithms
	2	Steps in development of a program	
	3	Flow charts	
	4	Algorithm development	
2nd	5	Programme Debugging	Programming exercises on executing and editing a C program
	6	Exercise/ Practice on Programming	
	7	I/O statements,	
	8	assign statements	
3rd	9	Constants, variables	Programming exercises on formatting input/output using printf and scanf and their return type values.
	10	data types	
	11	Practice on PC	
	12	Practice on PC	
4th	13	Operators and Expressions	Programming exercises on defining variables and assigning values to variables
	14	Operators and Expressions	
	15	Standards and Formatted IOS	
	16	Data Type Casting	
5th	17	Exercise / Practice on PC	Programming exercises on arithmetic and relational operators.
	18	Exercise / Practice on PC	
	19	Introduction to Introduction	
	20	Decision making with IF – statement	
6th	21	Exercise / Practice on PC	Programming exercises using if – Else.
	22	Exercise / Practice on PC	
	23	IF – Else and Nested IF	
	24	Exercise / Practice on PC	
7th	25	While and do-while, for loop	Programming exercises on switch statement
	26	Exercise / Practice on PC	
	27	Exercise / Practice on PC	
	28	Break. Continue, goto and switch statements	
8th	29	Exercise / Practice on PC	Programming exercises on do – while, statement.
	30	Introduction to Pointers	
	31	Address operator and pointers	
	32	Exercise / Practice on PC	
9th	33	Exercise / Practice on PC	Simple programs using

	34	Declaring and Initializing pointers,	pointers.
	35	Single pointer	
	36	Exercise / Practice on PC	
10th	37	Exercise / Practice on PC	Simple programs using union.
	38	2nd Sessional Test	
	39	Introduction to functions	
	40	Global and Local Variables	
11th	41	Function Declaration	Simple programs using pointers local and global variable
	42	Exercise / Practice on PC	
	43	Exercise / Practice on PC	
	44	Revision	
12th	45	Standard functions	Programs on one-dimensional array.
	46	Parameters and Parameter Passing	
	47	Call - by value/reference	
	48	Exercise / Practice on PC	
13th	49	Exercise / Practice on PC	Programs on two-dimensional array.
	50	Revision	
	51	Revision	
	52	Introduction to Arrays	
14th	53	Array Declaration, Length of array	Simple programs using structures.
	54	Exercise / Practice on PC	
	55	Single and Multidimensional Array	
	56	Arrays of characters	
15th	57	Passing an array to function	Revision and Viva
	58	Pointers to an array	
	59	Exercise / Practice on PC	
	60	3rd Sessional Test	

Note:-At least Three Assignments covering substantial portion of syllabus to be given.