

### Detailed Practical Plan 2018-19 Sem-IV

**Class:** SY (IT) Semester III

**Branch:** Information Technology

**Subject Name:** Advanced C Programming Laboratory (IT2531)

**Teacher:** P. T. Sawant

Pra No.	Experiment Title	Practical Method	Learning Outcomes	Planned Date Batch I1	Conduct Date Batch I1	Planned Date Batch I2	Conduct Date Batch I2	Planned Date Batch I3	Conduct Date Batch I3	Planned Date Batch I4	Conduct Date Batch I4
1	Study of Programming Environment and Review of C	Discussion on GCC Compiler, vi editor, debugger  C Programming using GCC	Use VI Editor, GCC Compiler & Ubuntu Operating system for C Programming Implement simple programs in C using GCC compiler.	04/07/18		03/07/18		09/07/18		04/07/18	
2	Data Types and Control Statements	C Programming using GCC  Think Pair Share	Apply type casting in C programs. Use Different types of control statements in C programs.	11/07/18		10/07/18		16/07/18		11/07/18	
3	Operators and Expressions	Problem Solving  C Programming using GCC	Discuss different types of operators in C. To solve questions on operators & expressions and developing logical abilities of the students.	25/07/18		24/07/18		30/07/18		18/07/18	
4	Storage Classes	C Programming using GCC Think Pair Share	Discuss storage classes. Implement different types of storage classes.	01/08/18		31/07/18		06/08/18		25/07/18	
5	Functions	C Programming using GCC Think Pair Share	Discuss different types of functions in C Implement different types of functions in C.	8/08/18		07/08/18		13/08/18		8/08/18	
6	Arrays	C Programming using GCC Problem Solving	Discuss multi dimensional arrays with example. Implement programs for multi dimensional arrays.	29/08/18		21/08/18		20/08/18		29/08/18	
7	Pointers	C Programming using GCC Problem Solving	Describe pointers. Implement program on pointers in C.	05/09/18		28/08/18		27/08/18		05/09/18	
8	User Defined Data Types- Typedef, Enum	C Programming using GCC	Explain enum and typedef concepts in C. Implement enum and	12/09/18		04/09/18		10/09/18		12/09/18	

			typedef concepts in C.							
9	User Defined Data Types - Structure ,Union	C Programming using GCC	Explain structure and union concepts in C Implement structure and union concepts in C.	26/09/18		11/09/18		24/09/18		26/09/18
10	File Management	C Programming using GCC	Discuss Standard Streams, Opening a File and Closing a File Perform Input / Output Operations on Files.	03/10/18		25/09/18		01/10/18		03/10/18
11	Dynamic Memory Allocation	C Programming using GCC	Explain the need of dynamic memory allocation and deallocation Demonstrate the use of malloc, calloc, realloc, free functions for allocating and deallocating memory at run time	10/10/18		09/10/18		08/10/18		10/10/18
12	Macros	C Programming using GCC	Explain preprocessor directives. Use preprocessor directives in C program.	17/10/18		16/10/18		15/10/18		17/10/18

**Course Teacher**

**Module Coordinator**