

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Information Technology
Structured Work Plan for Teaching
(24-June - 2019 TO 24-October-2019)

1. Details of Classes to be taught

Sr. No.	Class	Name of Assis. Professor	Subject	Paper Name (TH)	Paper Name (PR)	Total Lectures
1.	B.Sc.C.S.F.Y. DIV : A + B	Prof. Shinde Manjusha	Information Technology	Programming with C (U-PWC-173) (3-credits)	Lab Course III U-LAC-177 (2-credits)	(TH) 55 (PR) 15

2. Summary of Lesson Plan

Class :B.Sc.(C.S.) S.Y. III Sem (Div - A)

Teaching Hours: 55


Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	UNIT- I: Introduction and Overview CHAPTER 1. Intro to 'C' Language CHAPTER 2. Overview of 'C'	13	24-6-2019 To 18-7-2019	ICT Teaching Self Introduction Practice	Internal Class Test :1 Offline
2	UNIT- II: Control Structures , Arrays, Pointers CHAPTER 3. Control Structures CHAPTER 4. Arrays and Pointers	15	19-7-2019 To 14.08.2019	ICT Teaching Seminar / Win. OS installation	Assignment on Unit I and Unit II Class test 2 (Online)
3	UNIT- III: Functions CHAPTER 5. Introduction to Function CHAPTER 6. String and Math Functions	16	16.08.2019 To 31.08.2019	ICT Teaching Making PPT	Home Assignment for Unit Test 1 Class test 3 (Online)
4	UNIT- IV: Structure, Union and File Management CHAPTER 7. Structure and union CHAPTER 8. File management in C	16	1.09.2019 To 22.10.2019	ICT based Teaching	Class test 4 (Online) Class test 5 (Online)

3. Summary of Lesson Plan


Class :B.Sc.(C.S.) S.Y. III Sem (Div - B)

Teaching Hours: 55

Sr. No.	Unit and Chapter to be covered	Expected No. of Lectures	Date	Academic activities to be organized	No. of Test / Assignment with topic and date
1	UNIT- I: Introduction and Overview CHAPTER 1. Intro to 'C' Language CHAPTER 2. Overview of 'C'	13	24-6-2019 To 18-7-2019	ICT Teaching Self Introduction Practice	Internal Class Test : Offline
2	UNIT- II: Control Structures , Arrays, Pointers CHAPTER 3. Control Structures CHAPTER 4. Arrays and Pointers	15	19-7-2019 To 14.08.2019	ICT Teaching Seminar / Win. OS installation	Assignment on Unit I and Unit II Class test 2 (Online)
3	UNIT- III: Functions CHAPTER 5. Introduction to Function CHAPTER 6. String and Math Functions	16	16.08.2019 To 31.08.2019	ICT Teaching Making PPT	Home Assignment Unit Test 1 Class test 3 (Online)
4	UNIT- IV: Structure, Union and File Management CHAPTER 7. Structure and union CHAPTER 8. File management in C	16	1.09.2019 To 22.10.2019	ICT based Teaching	Class test 4 (Online) Class test 5 (Online)


Subject Teacher
Mrs. Manjusha Shinde


Coordinator
Dept. of Information Technology
R.S.M.(Autonomous), Latur


Principal
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Department of Information Technology

Teaching Plan Academic Year 2019-2020

Teacher: Prof. Shinde Manjusha Anant

Class : B.Sc.C.S. F.Y. [II Semester]

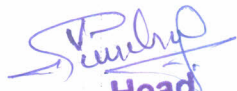
Course Title : Advance 'C' Programming

Course Code: U-ADC-273

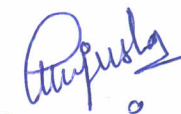
Division : Div [A] and Div [B]

UNIT NO	UNIT NAME	UNIT CONTENT	FROM	TO	No. Of LECTURES
UNIT I	Pointer, Structure & Union	CHAPTER: 1. Pointer & Dynamic Memory Allocation 1.1. Pointer to Pointer 1.2. Pointer & Functions 1.3. Pointer & Array 1.4. Array of Pointer 1.5. Dynamic Memory Allocation, 1.5.1. Introduction to Calloc (), Malloc (), Free ()	16-12-19	28-12-19	10
		CHAPTER : 2. Structure & Union 2.1 Introduction of structure, 2.2 Declaration & initialization. 2.3 Arrays of Structures, Structure within structure. 2.4 Introduction to Union. 2.5 Declaration & initialization	1-01-20	14-01-19	05
UNIT II	File Handling and Bit Operations	CHAPTER : 3. File Handling 3.1 Why we need a file, 3.2 File operations(create, open, read, move , write, close), 3.3 File opening Mode, 3.4 Closing a file, 3.5 Input/output operations, 3.6 Creating and reading a file	20-01-20	08-02-20	10
		CHAPTER: 4. Bit Operations 4.1 One's Compliment operator, 4.2 Right shift Operator, 4.3 Left Shift Operator, 4.4 Bit wise operator- AND, OR, XOR.	09-02-20	15-02-20	5

UNIT III	Interaction with Hardware through 'C' and VDU Basic	CHAPTER: 5. Interaction with Hardware through 'C' 5.1 Interrupt & Interrupt Vector table, 5.2 ROMBIOS Philosophy, 5.3 Invoking ROMBIOS function 5.4 int 86 () function, 5.5 Interrupts to access ROMBIOS Services	16-02-19	22-02-19	5
		CHAPTER : 6. VDU Basic 6.1 Components of VDU, Monitors & Display Adaptors, 6.2 Video Display Modes: Text or Graphics,• colors in text mode,• colors in graphics mode,• colors in SVGA, Video page,• 6.3 Writing to video memory in text mode, 6.4 Video interrupt services: set video mode (0h),• set cursor size(1h),• set cursor position(2h)•	23-02-19	08-03-19	10
UNIT IV	Keyboard, Mouse programming and Introduction to C++	CHAPTER 7. Keyboard and Mouse Programming 7.1 Operation of keyboard ,Shift and toggle keys 7.2 keyboard interrupt(16 h)- get keyboard next character(0 h) 7.3 Mouse interrupt (33h),reset mouse (0h) 7.4 Show mouse pointer(1h), Hide mouse pointer(2h) 7.5 set mouse position and button status(3h).	09-03-19	20-03-19	10
		8. Introduction to C++ .1 Object oriented concepts, Features, 8.2 Advantages and Applications of OOPS 8.3 Data types, new operators and keywords, type conversion in C++ 8.4 Classes & Objects	21-03-19	31-03-19	05


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 Prof. Manjusha Shinde


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