Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Faculty of Information Technology

Structured Work Plan for Teaching

Academic Year (2020 - 2021)

1. **Details of Classes to be taught**

Sr. No.	Class	Name of Asst. Prof.	Course Title	Course Code	Practical Paper Code	Total Teaching Hours
1	B.C.A. TY (V Sem)	Mr. Vishwanath D. Panchal	GUI Programming using C #	U-GPC-617 Total Credit: 3	U-LAC-624 Total Credit: 2	Th: 61 Pr: 15
2	B.C.A. F.Y. (I Sem) (Div. A + Div. B)		Introduction to C	U-INC-180 Total Credit: 3	U-LAC-184 Total Credit: 2	Th: 58 Pr: 15

2. **Summary of Lesson Plan**

Name of Teacher: Vishwanath D. Panchal   **Class:** B.C.A. T.Y. (Semester V)

(July-2020 to November-2020)

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date FROM	Date TO	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
	GUI Prog. using C # (U-GPC-617)	**UNIT- I: Introduction to .net and Console Application Basic**					
1		1.1 what is .net 1.2 .net Framework 1.3 Visual Studio.net & .net Languages 1.4 Project types	06-07-2020	18-07-2020	07		Assignment to the students.
2		1.5 c#.net History & design Goals 1.6 How c# differs from c++ 1.7 Char. of c#.net 1.8 Console Vs. GUI Application	20-07-2020	31-07-2020	06	Seminar	

3		2.1 I/O Statement 2.2 foreach loop 2.3 Array 2.4 ArrayList 2.5 Jagged Array 2.6 Hash Table	03-08-2020	18-08-2020	07	Task to be complete	
		UNIT-II : Properties ,Events, Delegates and Windows Form					
4		3.1 Properties & its type 3.2 Event 3.3 Delegate & Multicast Delegate 3.4 Creating & Starting thread 3.5 Exception handling	19-08-2020	31-08-2020	08	Seminar	Assignment on Unit – II to the students.
5		4.1 Windows Form 4.2 MDI Form 4.3 Menustrip 4.4 Toolstrip, StatusStrip 4.5 Docking Controls 4.6 MessageBox	01-09-2020	16-09-2020	07		
		UNIT-III : Basic Controls and : Container , Dialog					
6		5.1 Button, TextBox, Label, LinkLabel 5.2 RadioButton, CheckBox 5.3 DateTimePicker, Timer 5.4 PictureBox 5.5 ComboBox, ListBox 5.6 RichTextBox, MonthCalender	21-09-2020	30-09-2020	06	Guest Lecture for students.	Programes on Controls and advanced controls.
7		6.1 GroupBox, Panel 6.2 Common Dialog boxes 6.3 ProgressBar 6.4 TreeView 6.5 MaskedTextBox	01-10-2020	18-10-2020	07		
		UNIT IV : Ado.net Introduction and Database Oriented Applications					
8		6.1 How Ado.net differs from Ado 6.2 Advantages of Ado.net 6.3 Connected & Disconnected	20-10-2020	04-11-2020	10		

9		Architecture 6.4 Dataset, DataReader & DataAdapter 6.5 SQL Commands				Seminar on Database connectivity	Application on Database Connectivity
		7.1 Managed Data Providers 7.2 DataGridView Control 7.3 Developing Ado.net Based Application 7.4 Insert, Update & Delete operation on table 7.5 Filling the Dataset 7.6 Ado.net LINQ	05-11- 2020	12-11- 2020	05		

Structured Work Plan for Teaching
Academic Year (2020 - 2021)

(July-2020 to November-2020)

Summary of Lesson Plan

Name of Teacher: Vishwanath D. Panchal   **Class:** B.C.A. F.Y. (Semester I)

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
			FROM	**TO**			
	Intro. To 'C'	**UNIT I: Algorithm , Flowchart & C Basic**					
	(U-INC-180)	**1. Algorithm and flowcharts** Definition and properties, Developing well known algorithms, Principles of flow charting, Flow charting symbols, Converting algorithms to flowcharts					**Assignment on Unit – I at the end of Unit I. (On Google Form)**
		2. Overview of C	10.09.	05.10.	14		

			Introduction to C, Structure of C prog, Character set, C tokens, Keywords, Identifiers, Constants ,variables, Data types, Declaration of variables , Defining Symbolic Constants Operators, Formatted input and output.	2020	2020			
		UNIT II : Statements & Function					
		3. Decision making and Branching and Arrays **Decision making** simple if, if-else, Nesting of if ...else, else if ladder. The switch, goto, break. continue statement **Looping:** The while loop, do... while, for Jumps in Loop:, **Arrays:** One Dimensional - Two Dimensional - Multidimensional arrays – **String handling Functions.**	06.10. 2020	06.10. 2020	16		Practice Programes on Looping, Array and Decision Statements
		UNIT III : Function & Pointer					
		4. Introduction to function Return values and their types, Types of user def., Recursion, **Storage Classes:** Automatic storage class, Register storage class, Static storage class, External storage class.	06.11. 2020	05.12. 2020	13		**Unit – III**
		5. Pointers Understanding pointers, Accessing the Address of' a variable, Declaring and initializing pointers, Accessing a variable through its pointers.					(Practice Questions on Google Classroom and Seminar)
		UNIT IV : Structure, Union & File Operations					
		6. Introduction to Structure					**Unit – IV**

		Structure initialization, Arrays of structures, Structures within structures, Introduction to Union	06.12. 2020	15.01. 2021	15		Chapters 6 & 7 (Seminar) Online test
		7. File management in C Defining and opening a file, closing file, I/O operations on files, Err. handling during, I/O operations, Random access to files, Command line arguments					

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Academic Year (2020 - 2021)

3. Details of Classes to be taught

Sr. No.	Class	Name of Asst. Prof.	Course Title	Course Code	Practical Paper Code	Total Teaching Hours
1	B.C.A. TY (VI Sem)	Mr. Vishwanath D. Panchal	Web Designing Using ASP.Net	U-WDA-715 Total Credit: 3	U-LAC-721 Total Credit: 2	Th: 53 Pr: 15
2	B.C.A. F.Y. (II Sem) (Div. A + Div. B)		Advance 'C'	U-ADC-281 Total Credit: 3	U-LAC-285 Total Credit: 2	Th: 56 Pr: 15

4. Summary of Lesson Plan

Name of Teacher: Vishwanath D. Panchal   **Class:** B.C.A. T.Y. (Semester VI)

(24.02.2021 TO 13.05.2021)

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date FROM	Date TO	No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
1	Web Designing Using ASP.Net (U-WDA-715)	**Unit 1. Introduction to ASP.NET** ➢ What is ASP.NET ➢ Overview of .Net framework ➢ Introduction to WebForm ➢ Event Driven Programming ➢ Compile Code : Code Behind and Inline Coding ➢ ASP.Net Directives	24-2-2021	10-3-2021	10	Class Seminars	**Online Test on Unit –I at the end of Unit - I**

2		**Unit 2. Server Control** ➤ Post back ➤ Web Server Control: Label, Panel, Table, Button, Image Button, Link Button, Textbox, CheckBox, RadioButton, ListBox , DropDownList, CheckBoxList , RadioButtonList, Hyperlink, Image Rich Controls: Calendar, Wizard, File Upload	12-3-2021	25-3-2021	12	Seminar on topics covered during unit – I	**Assignment on Controls.**
		➤ Validation Controls ➤ Master Page ➤ Themes & CSS	26-3-2021	02-4-2021	07		**Test on Validation Controls.**
3		**Unit 3. Database Access** ➤ Introduction about ADO.NET ➤ Introduction about Provider, Adapter, Reader, Command Builder ➤ Database Access using ADO.NET	3-4-2021	9-4-2021	06	Seminar on DataBase Basics	**Application on Database Connectivity**
4		**Unit 4. Client Server Communication** ➤ Communications with Web Browser ➤ Response Object ➤ Query String ➤ Cookies ➤ Session Management and Variable Scope	10-4-2021	21-4-2021	08	Mini Task	**Online test using google form**
5		**Unit 5. Advance ASP.NET** ➤ Web.config ➤ Sitemap path Server Control ➤ User Control ➤ Web Services: Basics of Web	22-4-2021	13-5-2021	10	Seminar	**Online test using Google form.**

| | | Services, Interacting with web services | | | | | |
| | | ➢ Error Handling: Unstructured Error, Structured Error, Error handling in Database | | | | | |

Structured Work Plan for Teaching
Academic Year (2020 - 2021)

(10.03.2021 TO 30.05.2021)

Summary of Lesson Plan

Name of Teacher: Vishwanath D. Panchal   **Class:** B.C.A. F.Y. (Semester II)

Sr. No.	Course Title and Course Code	Unit and Chapter to be covered	Date		No. of Lectures	Academic activities to be organized	No. of Test / Assignment with topic and date
			FROM	TO			
1	**Advance 'C' (U-ADC-281)**	**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( )	10.03.2021	17.03.2021	7	Class Seminars	**Online Test using Google Form on Unit - I**
2		**CHAPTER : 2. Structure & Union** 2.1 Introduction of structure, 2.2 Declaration & initialization. 2.3 Arrays of Structures, Structure within structure.	18.03.2021	25.03.2021	6	Seminar on topics covered during unit – I	

		2.4 Introduction to Union. 2.5 Declaration & initialization.					
3		**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.	26.03.2021	03.04.2021	5	Seminar on Pointers	**Online Test using Google Form on Unit - II**
4		**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.	05.04.2021	10.04.2021	4	Mini Task on File Handling	
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 int86 ( ) function, 5.5 Interrupts to access ROMBIOS Services.	10.04.2021	22.04.2021	9	Int86() function and its use	**Assignment on Unit III**
6		**CHAPTER : 6. VDU Basic** 6.1 Components of VDU, Monitors & Display Adaptors, 6.2 Video Display Modes: • Text or Graphics,	23.04.2021	06.05.2021	9		

		• 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)					
7		**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(0h) 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).	06.05.2021	18.05.2021	09	Seminar	**Descriptive test in Online Mode.**
8		**CHAPTER 8. Introduction to C++** 8.1 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	19.05.2021	26.05.2021	07	Seminar on OOPS	**Assignment on C++**