

Teaching Plan Academic Year 2019-2020

Name of Teacher: Vishwanath D. Panchal

Class: B.C.A. F.Y. (Division A + B) **Semester:** II

Course Title: Advanced 'C'

Course Code: U-ADC-281

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Pointer & Dynamic Memory Allocation: Pointer to Pointer, Pointer & Functions, Pointer & Array, Array of Pointer. Dynamic Memory Allocation: Introduction to Calloc(), Malloc(), Free()	16.12.2019 to 24.12.2019	7
	Structure & Union: Introduction of structure, Declaration & initialization, Arrays of Structures, Structure within structure, Introduction to Union, Declaration & initialization.	26.12.2019 to 31.12.2020	5
Unit II	File Handling: Why we need a file, File operations(create, open, read, move , write, close), File opening Mode, Closing a file, Input/output operations, Creating and reading a file	02.01.2020 to 11.01.2020	8
	Bit Operations: One's Compliment operator, Right shift Operator, Left Shift Operator, Bit wise operator- AND, OR, XOR.	13.01.2020 to 16.01.2020	3
Unit III	Interaction with Hardware through 'C': Interrupt & Interrupt Vector table, ROMBIOS Philosophy, Invoking ROMBIOS function, int 86 () function, 5.5 Interrupts to access ROMBIOS Services.	20.01.2020 to 27.01.2020	6
	VDU Basic: Components of VDU, Monitors & Display Adaptors, Video Display Modes: Text or Graphics, Colors in text mode, colors in graphics mode, colors in SVGA, Video page, Writing to video memory in text mode, Video interrupt services: set video mode (0h), set cursor size(1h), set cursor position(2h)	28.01.2020 to 11.02.2020	11
Unit IV	Keyboard And Mouse Programming, Operation of keyboard, Shift and toggle keys, keyboard interrupt(16h):- get keyboard next character(0h), Mouse interrupt (33h):- reset mouse (0h), Show mouse pointer(1h), Hide mouse pointer(2h), set mouse position and button status(3h).	13.02.2020 to 27.02.2020	7
	Introduction to C++: Object oriented concepts, Features, Advantages and Applications of OOPS, Data types, new operators and keywords, type conversion in C++, Classes & Objects	12.03.2020 to 21.03.2020	7

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Name of Teacher: Vishwanath D. Panchal

Class: B.C.A. T.Y. **Semester:** VI

Course Title: Web Designing Using ASP.Net

Course Code: U-WDA-715

Unit	Topics To be Covered	Date	No. of Lectures
Unit I	Introduction to ASP.NET: What is ASP.NET, Overview of .Net framework IDE of Visual Studio.Net	16.12.2019 to 20.12.2019	4
	Introduction to WebForm Event Driven Programming	21.12.2019 to 27.12.2019	4
	Code Behind and Inline Coding, ASP.Net Directives	28.12.2019 to 31.12.2019	3
Unit II	Post back, Web Server Control: Label, Panel, Table, Button, Image Button, Link Button, Textbox, CheckBox, RadioButton, ListBox, DropDownList, CheckBoxList, RadioButtonList, Hyperlink, Image	01.01.2020 to 21.01.2020	12
	Rich Controls: Calendar, Wizard, File Upload		
	Validation Controls	22.01.2020 to 27.01.2020	4
	Master Page	28.01.2020 to 28.01.2020	1
Unit III	Themes & CSS	29.01.2020 to 01.02.2020	3
	Introduction about ADO.NET, Introduction about Provider, Adapter, Reader, Command Builder	03.02.2020 to 11.02.2020	5
Unit IV	Database Access using ADO.NET	12.02.2020 to 15.02.2020	3
	Communications with Web Browser	17.02.2020 to 17.02.2020	1
	Response Object	18.02.2020 to 22.02.2020	2
	Query String, Cookies	24.02.2020 to 26.02.2020	2
Unit V	Session Management and Variable Scope	06.03.2020 to 09.03.2020	2
	Web.config, Sitemap path Server Control, User Control	11.03.2020 to 18.03.2020	4
	Web Services	20.03.2020 to 23.03.2020	3
	Error Handling	24.03.2020 to 28.03.2020	3

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