

**Lesson Plan**

Name of the Assistant/ Associate Professor.....AMIT VASHISTH

Class and Section.....OB. BCA - 4th Sem.

Subject:.....Object oriented Programming using C++

Week	Date	Topics
1	1-Jan-18	object oriented programming concept:-
	2-Jan-18	procedural language & object oriented approach.
	3-Jan-18	characteristic of oops., simple C++ program-
	4-Jan-18	user Defined Data types.
	5-Jan-18	Basic function of oops concept
	6-Jan-18	Polymorphism, Encapsulation
	7-Jan-18	Sunday
2	8-Jan-18	Getting started with C++:- syntax
	9-Jan-18	Data types, variable, constant
	10-Jan-18	string and types of string in using C++.
	11-Jan-18	function:- call by value, call by ref-
	12-Jan-18	namespace, Tokens, keywords.
	13-Jan-18	Exception, operator are used in C++
	14-Jan-18	Sunday
3	15-Jan-18	Manipulator, overloading:- function
	16-Jan-18	overloading & operator overloading
	17-Jan-18	Return by Reference.
	18-Jan-18	Inline function, Recursion.
	19-Jan-18	Basic concept of virtual and friend function
	20-Jan-18	Default argument and const argument
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Flow Control:- for loop, while loop, do-while in C++.
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Array are used in C++
	26-Jan-18	Republic Day
	27-Jan-18	Pointer, nested pointer, Types of pointer in C++
	28-Jan-18	Sunday
5	29-Jan-18	Structure & union in C++.
	30-Jan-18	Program practice.
	31-Jan-18	Guru Ravidas Birthday

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**Lesson Plan**

The Assistant/ Associate Professor.....

AMIT VASHI/STH

Section: BCA - 4th sem.

**Object Oriented Programming using C++**

Week	Date	Topics
1	1-Mar-18	Inheritance & Polymorphism:- Define Inheritance
	2-Mar-18	Holi
	3-Mar-18	Define Derived class and Base class.
	4-Mar-18	Sunday
2	5-Mar-18	Types of Inheritance,
	6-Mar-18	Define Polymorphism & Characteristics.
	7-Mar-18	Program in C++ using Inheritance.
	8-Mar-18	overriding member function, Abstract
	9-Mar-18	class & Abstract function
	10-Mar-18	Public & private Inheritance
	11-Mar-18	Sunday
3	12-Mar-18	Virtual function and Pure virtual function
	13-Mar-18	Program in C++ using virtual function
	14-Mar-18	friend function and static function
	15-Mar-18	Ambiguity in multiple Inheritance
	16-Mar-18	Program in C++ using friend function
	17-Mar-18	Assignment on above topic
	18-Mar-18	Sunday
	4	19-Mar-18
20-Mar-18		Basis of Exception handling
21-Mar-18		Exception handling Mechanism, Exception fun
22-Mar-18		Exception and derived class.
23-Mar-18		unexpected exception
24-Mar-18		exception when handling exception
25-Mar-18		Sunday/ Ram Navami
5		26-Mar-18
	27-Mar-18	Throwing Exception, Catching Exception
	28-Mar-18	Rethrowing Exception
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	specifying Exception.
	31-Mar-18	program in C++ using Exception handling

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**Lesson Plan**

Name of the Assistant/ Associate Professor..... AMIT WASHISTH.....

Class and Section:..... BCA - 4th Sem.....

Subject:..... Object oriented programming using C++.....

Week	Date	Topics
1	1-Feb-18	Abstracting mechanism:- class and object
	2-Feb-18	Introduction to class, specifying a
	3-Feb-18	class. private, public & protected class.
	4-Feb-18	Sunday
2	5-Feb-18	Define Data member & member function
	6-Feb-18	program in C++ using class.
	7-Feb-18	define member function inside class
	8-Feb-18	member function uses outside the class
	9-Feb-18	program in C++ using member function inside & outside class
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	static data member & member function
	13-Feb-18	Maha Shivratri
	14-Feb-18	constant member function, Array of object
	15-Feb-18	Array with in class, Nesting member function
	16-Feb-18	friend function and pointer to member
	17-Feb-18	Inline function and local class.
	18-Feb-18	Sunday
4	19-Feb-18	Constructor:- Define & its types.
	20-Feb-18	Default constructor.
	21-Feb-18	Parameter constructor, copy constructor
	22-Feb-18	program in C++ used in constructor.
	23-Feb-18	Destructor -
	24-Feb-18	Memory Management:- new, delete
	25-Feb-18	Sunday
5	26-Feb-18	object copying, Assignment operator
	27-Feb-18	this pointer, Input & out put.
	28-Feb-18	Assignment on above topic

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Lesson Plan

Name of the Assistant/ Associate Professor..... AMIT WASHISTH.....

Class and Section:..... BCA 4th Sem......

Subject:..... Object oriented Programming using C++.....

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Template 1- Introduction of Template
	3-Apr-18	Template class & class Template with parameter
	4-Apr-18	function Template
	5-Apr-18	function Template with multiple parameters
	6-Apr-18	overloading of Template function
	7-Apr-18	member function of Template.
	8-Apr-18	Sunday
2	9-Apr-18	Standard Template Library!- Introduction
	10-Apr-18	Component of Standard Template Library.
	11-Apr-18	Container & its Application
	12-Apr-18	namespace, string, iterators
	13-Apr-18	Algorithm, function object-
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	hashes, ostream and other types.
	17-Apr-18	program in C++ using Template.
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Assignment.
	20-Apr-18	Revision on Different types of constructor & destructor
	21-Apr-18	Revision Different types of Inheritance
	22-Apr-18	Sunday class and function.
4	23-Apr-18	Revision polymorphism, types of overloading.
	24-Apr-18	Revision static member & static member fun!
	25-Apr-18	Revision memory management.
	26-Apr-18	Revision Exception handling.
	27-Apr-18	Revision function Template & class Template
	28-Apr-18	Revision Template Library.

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## Lesson Plan

Name of the Assistant/ Associate Professor... SHIV KUMAR  
 Class and Section... B.C.A IV<sup>TH</sup> Sem.  
 Subject: Web Designing

Week	Date	Topics
1	1-Jan-18	Introduction: Internet, History of internet, Applications of internet - Internet Address: Def <sup>n</sup> & Types (Briefly). ① Human understandable ② Machine understandable. Evolution of WWW and History of WWW. Features and Advantages of WWW.
	2-Jan-18	
	3-Jan-18	
	4-Jan-18	
	5-Jan-18	
	6-Jan-18	
	7-Jan-18	
2	8-Jan-18	Difference b/w Internet- and WWW. Working of WWW. Introduction of web Browser. Use, merits and demerits of Web Browser. Types of web Browser; NCSA, Mosaic, Netscape, MSIE, Internet's Net-scape.
	9-Jan-18	
	10-Jan-18	
	11-Jan-18	
	12-Jan-18	
	13-Jan-18	
	14-Jan-18	
3	15-Jan-18	Sun's HotJava, Mozilla Firefox. Google Chrome along with Pros/Cons. TCP/IP ref. model: Explanation of layers. Protocols: Types with working layers. URL: Types - Absolute and Relative. Assignment - work.
	16-Jan-18	
	17-Jan-18	
	18-Jan-18	
	19-Jan-18	
	20-Jan-18	
	21-Jan-18	
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Web Casting: Def <sup>n</sup> , Types of Push Tech. Sir Chhotu Ram Jayanti
	24-Jan-18	
	25-Jan-18	
	26-Jan-18	(2) On-Demand (3) Live streaming. Republic Day
	27-Jan-18	Significance of Web-Casting.
	28-Jan-18	
5	29-Jan-18	Search Engine: Features. Available search engine in market. Search Tools.
	30-Jan-18	
	31-Jan-18	

*Shiv Kumar*

## Lesson Plan

Name of the Assistant/ Associate Professor.....

Class and Section:.....

Subject:.....

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Tags: Attributes, Practical work of - HTML.
	4-Mar-18	Sunday
2	5-Mar-18	HTML Theory: Tags: Background, BG PROPERTIES, COLOR.
	6-Mar-18	TEXT, LINK, MARGIN, ANCHOR(A), TYPES OF LINKS.
	7-Mar-18	FORMATTING TAGS; ADDRESS, FONT, CENTER, COMMENT.
	8-Mar-18	HEADING, PARAGRAPH, LINE BREAK, STYLE TAG.
	9-Mar-18	LIST: ORDERED / UNORDERED, IMAGE.
	10-Mar-18	REVISION OF ABOVE TAGS.
	11-Mar-18	Sunday
3	12-Mar-18	TABLE CREATION: LAYOUT, CAPTION.
	13-Mar-18	TABLE TAG ATTRIBUTE: BORDER, CELLPADDING. CONTD.
	14-Mar-18	: CELSPACING, WIDTH, ALIGN, VALIGN, BGCOLOR, BACKG.
	15-Mar-18	FRAME: CREATION & LAYOUTS, <FRAMESET> TAG.
	16-Mar-18	PRACTICAL LAB FOR HTML PROGRAMMING
	17-Mar-18	PRACTICAL LAB FOR HTML PROGRAMMING.
	18-Mar-18	Sunday
4	19-Mar-18	FORMS IN HTML.
	20-Mar-18	CONTROLS OF FORMS; TEXT FIELDS.
	21-Mar-18	ASSIGNMENT WORK FOR HTML THEORY.
	22-Mar-18	ASSIGNMENT WORK FOR HTML THEORY
	23-Mar-18	- PRACTICAL LAB; HTML PROGRAMMING.
	24-Mar-18	- PRACTICAL LAB: HTML PROGRAMMING.
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	CHECK BOXES.
	27-Mar-18	RADIO BUTTON.
	28-Mar-18	HTML PROGRAMMING FOR FORM IMPLEMENTATION.
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	MENUS IN HTML USING FORM TAG.
	31-Mar-18	SELECT TAG.

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## Lesson Plan

Name of the Assistant/ Associate Professor.....

Class and Section:.....

Subject:.....

Week	Date	Topics
1	1-Feb-18	Web Publishing; Terminology used in web Pub.
	2-Feb-18	Web Hosting, Requirements to host a website.
	3-Feb-18	Services provided by Web Hosting.
	4-Feb-18	Sunday
2	5-Feb-18	Services provided by Web Hosting contd.
	6-Feb-18	ISP; Types, Features.
	7-Feb-18	Website Planning: steps involved in planning web.
	8-Feb-18	steps in detail: defining site goal, identification of-
	9-Feb-18	target-audience, set a website design budget-
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Competitive analysis, Choosing content.
	13-Feb-18	Maha Shivratri
	14-Feb-18	Storyboarding the web, structuring the web.
	15-Feb-18	Developing a timeline.
	16-Feb-18	Assignment work on above topics.
	17-Feb-18	Features of Good website Design.
	18-Feb-18	Sunday
4	19-Feb-18	Front-Page; Features, Views
	20-Feb-18	Adding pictures, links and background to a web.
	21-Feb-18	Relating Front-Page to DHTML.
	22-Feb-18	Features of Various views of front-Page.
	23-Feb-18	website: def <sup>n</sup> . steps to develop website.
	24-Feb-18	contd.
	25-Feb-18	Sunday
5	26-Feb-18	Assignment work on above topics.
	27-Feb-18	Introduction: HTML, History, tags, structure.
	28-Feb-18	Types of Tags, Features of HTML, Basic HTML Prog <sup>m</sup> .

## Lesson Plan

Name of the Assistant/ Associate Professor.....

Class and Section:.....

Subject:.....

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	DHTML; INTRODUCTION and Features.
	3-Apr-18	Difference b/w HTML / DHTML.
	4-Apr-18	Introduction to Cascading Style sheet-Positioning.
	5-Apr-18	Type of Positioning; (1) Static Positioning.
	6-Apr-18	(2) Relative Positioning (3) Absolute Positioning.
	7-Apr-18	(4) Fixed Positioning.
	8-Apr-18	Sunday
2	9-Apr-18	JavaScript style sheet-(JSS) Introduction.
	10-Apr-18	Netscape layer.
	11-Apr-18	Assignment work on above topics.
	12-Apr-18	Practical work for file completion.
	13-Apr-18	Practical work for file completion.
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	File Chalking of- Practical files.
	17-Apr-18	Revise the TABLE TAGS along with attributes
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Frameset- Tag along with tags.
	20-Apr-18	Revision History of Internet-
	21-Apr-18	Revision working of www. web casting.
	22-Apr-18	Sunday
	4	23-Apr-18
24-Apr-18		Revision Web casting, web Publishing.
25-Apr-18		Revision website planning.
26-Apr-18		Revision HTML structure.
27-Apr-18		Revision Table Tag
28-Apr-18		Revision ing, href- form tag.

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## Lesson Plan

Name of the Assistant/ Associate Professor.. Mangj Kumar.....

Class and Section. BCA. 2nd Yr (4th sem).....

Subject: Data structure - II.....

Week	Date	Topics
1	1-Jan-18	Terminology in tree, Leaf, depth, height, level, sibling & others
	2-Jan-18	Headernode, Use of Headernode, Threads & threading tree
	3-Jan-18	B.S.T, oper <sup>n</sup> on B.S.T, Like insertion, deletion & Searching
	4-Jan-18	Insertion of nodes in B.S.T, Deletion of nodes, in leaf, in non-leaf node
	5-Jan-18	AVL tree, Height balance tree, Balance factor of AVL tree.
	6-Jan-18	Insertion of node using AVL tree.
	7-Jan-18	Sunday
2	8-Jan-18	Deletion of nodes in AVL tree.
	9-Jan-18	M-way search tree definition.
	10-Jan-18	Insertion of various nodes in M-way tree
	11-Jan-18	Deletion of nodes in M-way tree.
	12-Jan-18	Algorithm for M-way tree.
	13-Jan-18	Assignment work on M tree.
	14-Jan-18	Sunday
3	15-Jan-18	Definition of B-tree
	16-Jan-18	Insertion of nodes in B-tree
	17-Jan-18	Insertion of nodes in B-tree
	18-Jan-18	Deletion of nodes in B-tree
	19-Jan-18	Deletion of nodes in B-tree
	20-Jan-18	Searching of nodes in B-tree
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	B <sup>+</sup> tree definition
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	oper <sup>n</sup> on B <sup>+</sup> tree.
	26-Jan-18	Republic Day
	27-Jan-18	Insertion & deletion of nodes in B <sup>+</sup> tree.
	28-Jan-18	Sunday
5	29-Jan-18	Huffman's algorithm & General tree,
	30-Jan-18	Assignment work on tree
	31-Jan-18	Assignment work on tree

name

## Lesson Plan

Name of the Assistant/ Associate Professor... MANOJ KUMAR.....

Class and Section:... BCA 2<sup>nd</sup> year (IV<sup>th</sup> sem).....

Subject:... Data structure-II.....

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Sorting, Definition, type of sorting
	4-Mar-18	Sunday
2	5-Mar-18	Internal & external sorting
	6-Mar-18	Difference b/w external & internal sorting
	7-Mar-18	Complexity of algorithm
	8-Mar-18	Time & space complexity
	9-Mar-18	Radix sort, Example & algorithm
	10-Mar-18	Analysis of Radix sort
	11-Mar-18	Sunday
3	12-Mar-18	Quick sort, Example & algorithm
	13-Mar-18	Analysis of Quick sort.
	14-Mar-18	Heap sort, Example & algorithm
	15-Mar-18	Analysis of Heap sort
	16-Mar-18	Merge sort, Example & algorithm
	17-Mar-18	Analysis of Merge sort.
	18-Mar-18	Sunday
	4	19-Mar-18
20-Mar-18		Searching, Type of Searching
21-Mar-18		Linear Search
22-Mar-18		Example & analysis of linear Search
23-Mar-18		Binary Search
24-Mar-18		Example & analysis on Binary Search
25-Mar-18		Sunday/ Ram Navami
5		26-Mar-18
	27-Mar-18	Comparison of various Searching
	28-Mar-18	Continue topic of comparison.
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Assignment on Searching & Sorting
	31-Mar-18	Assignment on Searching & sorting

## Lesson Plan

Name of the Assistant/ Associate Professor: Manoj Kumar

Class and Section: BCA 2nd year (IV<sup>th</sup> sem)

Subject: Data structure - II

Week	Date	Topics
1	1-Feb-18	Graph, Terminology on graph, Types of Graph
	2-Feb-18	Representation of Graphs (i) Adj. Matrix Rep.
	3-Feb-18	(ii) Adjacency list Representation
	4-Feb-18	Sunday
2	5-Feb-18	Shortest paths, Description of the algo.
	6-Feb-18	Graph traversal, Method in Graph traversal
	7-Feb-18	Depth first Search & Breadth first Search
	8-Feb-18	Weighted graph, Adjacency Matrix representation
	9-Feb-18	Adjacency linked list representation.
	10-Feb-18	Maha Shri Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Spanning trees, Minimum wt. spanning tree
	13-Feb-18	Maha Shivratri
	14-Feb-18	Warshall's algorithm for shortest path.
	15-Feb-18	Continue topic Warshall's algorithm
	16-Feb-18	Continue topic Warshall's algorithm
	17-Feb-18	Complexity of Warshall's algorithm
	18-Feb-18	Sunday
	4	19-Feb-18
20-Feb-18		Diagram for shortest path
21-Feb-18		Make table for use of Dijkstra algo.
22-Feb-18		Continue Dijkstra algorithm
23-Feb-18		Operation on graph
24-Feb-18		Continue topic on operation on graph
25-Feb-18		Sunday
5		26-Feb-18
	27-Feb-18	Assignment work on graph.
	28-Feb-18	Assignment work on graph.

## Lesson Plan

Name of the Assistant/ Associate Professor... Mamaji Kumar.....

Class and Section: BCA 2<sup>nd</sup> year (IV<sup>th</sup> sem).....

Subject: Data - Structure - II.....

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Files, Definition & examples of files.
	3-Apr-18	Physical storage devices & characteristics,
	4-Apr-18	magnetic disk, magnetic tape,
	5-Apr-18	Harddisk, Use & example of Harddisk
	6-Apr-18	CD-ROM, CD-writer, DVD, magnetic
	7-Apr-18	Adv. & Disadv. of various memory
	8-Apr-18	Sunday
2	9-Apr-18	Attribute of file like field,
	10-Apr-18	Record, Data-item & file.
	11-Apr-18	Fixed length record.
	12-Apr-18	Variable length record.
	13-Apr-18	Keys Primary & Secondary Keys.
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
	16-Apr-18	Classification of files, Archive, meta,
3	17-Apr-18	Dump, copy, Transet file.
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Serial sequential, multilist & Hashing fn.
	20-Apr-18	Revision on AVL tree
4	21-Apr-18	Revision on BST
	22-Apr-18	Sunday
	23-Apr-18	Revision on Dijkstra shortest path
	24-Apr-18	Revision on topological sorting
	25-Apr-18	Revision on sorting
	26-Apr-18	Revision on searching
	27-Apr-18	Revision on Files
	28-Apr-18	Revision on serial sequential, multilist.

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**Lesson Plan**

Name of the Assistant/ Associate Professor..... Narendar Kumar  
 Class and Section..... BCA- 2<sup>th</sup> Semester  
 Subject:..... Software Engineering

Week	Date	Topics
1	1-Jan-18	Introduction
	2-Jan-18	Software Crisis
	3-Jan-18	Software Processes
	4-Jan-18	Characteristics
	5-Jan-18	Software life cycle models
	6-Jan-18	Software life cycle models
	7-Jan-18	Sunday
2	8-Jan-18	Waterfall models
	9-Jan-18	Prototype Models
	10-Jan-18	Evolutionary Models
	11-Jan-18	Spiral Models
	12-Jan-18	Pros & Cons of each model
	13-Jan-18	Assignment
	14-Jan-18	Sunday
3	15-Jan-18	Software Requirement Analysis & Specifications:
	16-Jan-18	Requirement Engineering,
	17-Jan-18	Requirement techniques like FAST, QFD
	18-Jan-18	Requirement analysis using DFD
	19-Jan-18	Requirement analysis using DFD
	20-Jan-18	Data Dictionaries
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	ER Diagrams
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Requirement documentation
	26-Jan-18	Republic Day
	27-Jan-18	Assignment
	28-Jan-18	Sunday
	5	29-Jan-18
30-Jan-18		Nature of SRS
31-Jan-18		Guru Ravidas Birthday

**Lesson Plan**

of the Assistant/ Associate Professor..... Narinder Kumar  
 and Section:..... BCA - 4th Semester  
 Subject:..... Software Engineering

	Date	Topics
1	1-Mar-18	Token Count
	2-Mar-18	Holi
	3-Mar-18	Halstead Software Science Measures
	4-Mar-18	Sunday
2	5-Mar-18	Design Metrics
	6-Mar-18	Data Structure Metrics
	7-Mar-18	Software Implementation: - Introduction
	8-Mar-18	Relationship bet design & implementation
	9-Mar-18	Implementation issues
	10-Mar-18	Assignment
	11-Mar-18	Sunday
3	12-Mar-18	Programming support Environment
	13-Mar-18	Coding the procedural design
	14-Mar-18	Good coding style
	15-Mar-18	Software Testing: - Introduction
	16-Mar-18	Testing Process
	17-Mar-18	Design of Test Case
	18-Mar-18	Sunday
	4	19-Mar-18
20-Mar-18		Functional Testing
21-Mar-18		Structural Testing
22-Mar-18		Test Activities
23-Mar-18		Unit Testing
24-Mar-18		Assignment
25-Mar-18		Sunday/ Ram Navami
5	26-Mar-18	Integration Testing
	27-Mar-18	System Testing
	28-Mar-18	Debugging Activities
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Software Maintenance: - Management of Maintenance
	31-Mar-18	Maintenance Process, Reverse Engineering

BS

**Lesson Plan**

Name of the Assistant/ Associate Professor: Narendar Kumar  
 Class and Section: BCA-4th Semester  
 Subject: Software Engineering

Week	Date	Topics
1	1-Feb-18	Characteristics
	2-Feb-18	Organization of SRS
	3-Feb-18	Software Project Management Concepts: - The Mgt. Spectrum
	4-Feb-18	Sunday
2	5-Feb-18	The People, The Problem
	6-Feb-18	The Process
	7-Feb-18	The Project
	8-Feb-18	Software Project Planning: Introduction
	9-Feb-18	Assignment
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Size Estimation like lines of code
	13-Feb-18	Maha Shivratri
	14-Feb-18	Size Estimation like lines of code & function count
	15-Feb-18	Cost Estimation Models, - Introduction
	16-Feb-18	Cocomo Models.
	17-Feb-18	Risk Management.
	18-Feb-18	Sunday
	4	19-Feb-18
20-Feb-18		Coupling
21-Feb-18		Classification of Cohesiveness & coupling
22-Feb-18		Function Oriented Design
23-Feb-18		Function Oriented Design
24-Feb-18		Assignment
25-Feb-18		Sunday
5	26-Feb-18	Object Oriented Design
	27-Feb-18	Object Oriented Design
	28-Feb-18	Software Metrics: Software measurement what why

**Lesson Plan**

Name of the Assistant/ Associate Professor: Narendar Kumar  
 Class and Section: BCA - 4th Sem  
 Subject: Software Engineering

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Software Re-engineering
	3-Apr-18	Configuration Management
	4-Apr-18	Documentation
	5-Apr-18	Software life cycle models — Waterfall model
	6-Apr-18	Prototype model
	7-Apr-18	Assignment
	8-Apr-18	Sunday
2	9-Apr-18	Evolutionary Models
	10-Apr-18	COCOMO Models
	11-Apr-18	Requirement Analysis using DFD
	12-Apr-18	Cohesion
	13-Apr-18	Coupling
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Reverse Engineering
	17-Apr-18	Documentation
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	SDLC
	20-Apr-18	Revision SPIRAL Model
	21-Apr-18	Revision Data Dictionary
	22-Apr-18	Sunday
	4	23-Apr-18
24-Apr-18		Revision COCOMO Model
25-Apr-18		Revision Cohesion & Coupling
26-Apr-18		Revision Relation bet. design & implementation.
27-Apr-18		Revision Good Coding Style
28-Apr-18		Revision Testing

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**Lesson Plan**

Name of the Assistant/ Associate Professor: Shiv Kumar

Class and Section: B. CA V.I.H. Sem

Subject: Introduction To .Net

Week	Date	Topics
1	1-Jan-18	Introduction of .Net framework; .Net framework.
	2-Jan-18	Building Blocks of .Net framework.
	3-Jan-18	History of .Net framework.
	4-Jan-18	Advantages of .Net
	5-Jan-18	.Net Supported Languages.
	6-Jan-18	Origin of .Net Technology; OLE Tech. - COM Tech.
	7-Jan-18	Sunday
2	8-Jan-18	3. .net Technology.
	9-Jan-18	CLR; Common Language Runtime.
	10-Jan-18	CPS; Common Type System; Data Type & Description.
	11-Jan-18	CLS; Common language specification.
	12-Jan-18	MSIL; Intermediate language, managed code, unified classes.
	13-Jan-18	; JIT Compiler, Framework Base classes. BCL.
	14-Jan-18	Sunday
3	15-Jan-18	Features of .Net.
	16-Jan-18	Deployment - the .Net Runtime
	17-Jan-18	Architecture of .Net platform.
	18-Jan-18	Introduction to Namespace, Assembly, Type Distinction.
	19-Jan-18	Garbage collection; phases of Garbage Collection
	20-Jan-18	Unsafe code
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Data Types; Value Types, Reference Types
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Evolution of web development.
	26-Jan-18	Republic Day
	27-Jan-18	Objects in .Net.
	28-Jan-18	Sunday
	29-Jan-18	Assignment - work on above topics.
5	30-Jan-18	Architecture of .Net platform.
	31-Jan-18	Guru Ravidas Birthday

*Kumar*

**Lesson Plan**

Name of the Assistant/ Associate Professor: Shilpa Kumari  
 Class and Section: B.C.A. With Sem  
 Subject: Introduction To C++

Week	Date	Topics
1	1-Mar-18	Operators in C#. Types; Arithmetic, Relational op's.
	2-Mar-18	Holi
	3-Mar-18	Lab (S/W).
	4-Mar-18	Sunday
2	5-Mar-18	Logical operators, Assignment, increment, decrement op's.
	6-Mar-18	Conditional op's, Bitwise operators, special operators.
	7-Mar-18	Precedence and Associativity of operators in C#.
	8-Mar-18	Expressions: Types.
	9-Mar-18	Practical S/W Lab.
	10-Mar-18	Practical S/W Lab.
	11-Mar-18	Sunday
3	12-Mar-18	Flow control; Types: - 1) Decision making statements
	13-Mar-18	2) Looping/Repetitive statements. 3) Jumping statements.
	14-Mar-18	Simple if-statement, if-else statements.
	15-Mar-18	Nested if-else statements.
	16-Mar-18	Practical S/W Lab.
	17-Mar-18	Practical S/W Lab.
	18-Mar-18	Sunday
4	19-Mar-18	else-if ladder.
	20-Mar-18	Switch statements.
	21-Mar-18	looping construct in C#; while statement.
	22-Mar-18	Do statement.
	23-Mar-18	Practical S/W Lab.
	24-Mar-18	Practical S/W Lab.
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	For statement, For each statement
	27-Mar-18	Diff b/w do/while, switch/ else-if ladder.
	28-Mar-18	Diff. b/w if-else/ switch. do/loop/ For loop.
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Class: definition, declaration,
	31-Mar-18	Assignment work on above topics.

*Shilpa Kumari*

**Lesson Plan**

Name of the Assistant/ Associate Professor: Shiv Kumar  
 Class and Section: B. CA. 1<sup>st</sup> Sem.  
 Subject: Introduction to .Net

Week	Date	Topics
1	1-Feb-18	Class Libraries in .Net;
	2-Feb-18	Types of .Net framework class library; BCL.
	3-Feb-18	FCL; Framework class Library, Assembly.
	4-Feb-18	Sunday
2	5-Feb-18	Features of Assembly, Structure of Assembly.
	6-Feb-18	Types of Assembly: Private and Shared.
	7-Feb-18	Manifest in .Net, Information provided by manifest.
	8-Feb-18	Metadata: introduction, users of metadata.
	9-Feb-18	Data Types in C#, Importance of Data Types.
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	1. Value Types; Simple types, Enumeration Types, Structure.
	13-Feb-18	Maha Shivratri
	14-Feb-18	Reference Types: a) Predefined; object-type, String Type.
	15-Feb-18	b) User defined types; classes, Interfaces, Delegates, Arrays.
	16-Feb-18	Characteristics of C#.
	17-Feb-18	Constant, Types of Constant; Boolean, Numeric, Char.
	18-Feb-18	Sunday
	4	19-Feb-18
20-Feb-18		Scope of Variables; Local Variables.
21-Feb-18		Static Variables.
22-Feb-18		Instance Variables.
23-Feb-18		Practical Lab (S/W).
24-Feb-18		Practical S/W Lab.
25-Feb-18		Sunday
5		26-Feb-18
	27-Feb-18	Boxing and Unboxing, advantage, disadvantages.
	28-Feb-18	Assignment work on above topics.

*Shiv Kumar*

**Lesson Plan**

Name of the Assistant/ Associate Professor: Shiv Kumar

Class and Section: B.A. Vth Sem

Subject: Introduction to .NET

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Data Hiding in a class, Method declaration.
	3-Apr-18	Constructor, Types of- constructor, deconstructor.
	4-Apr-18	Advantages/disadvantages of- constructor./Deconstructor.
	5-Apr-18	Inheritance; Importance, Types of Inheritance.
	6-Apr-18	Method Overriding.
	7-Apr-18	Practical s/w Lab.
	8-Apr-18	Sunday
2	9-Apr-18	polymorphism; Types: ① Compile Time Polymorphism.
	10-Apr-18	2) Run Time Polymorphism, method overloading.
	11-Apr-18	Operator overloading.
	12-Apr-18	Practical s/w Lab.
	13-Apr-18	Practical s/w Lab. Assignment-work
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Abstract-class, abstract members, sealed class.
	17-Apr-18	sealed methods, Exceptional Handling.
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Automatic memory management in C#, Interface.
	20-Apr-18	Revision Namespace in MS .NET.
	21-Apr-18	Revision .NET Types.
	22-Apr-18	Sunday
4	23-Apr-18	Revision Class Library, types, metadata, Manifest.
	24-Apr-18	Revision Boxing/Unboxing, constructors, deconstructors.
	25-Apr-18	Revision Foreach looping statement, Nested if statements.
	26-Apr-18	Revision Inheritance. practical s/w Lab for file.
	27-Apr-18	Revision polymorphism. method overloading/overriding.
	28-Apr-18	Revision Exceptional Handling; Try, catch, finally method.

*Shiv Kumar*