LESSON PLAN	
BCA Sem-V	
Subject- SAD	
August 2021 to November 2021	
Session	**Topic**
August (Month-1)	WEEK-1:- Systems concepts: Definition and characteristics of a system, Elements of a system, Types of systems.
	WEEK-2:-The system development life cycle: Introduction to various phases.
	WEEK-3:-The role of the Systems Analyst: Qualifications of a systems analyst,
	WEEK-4:- various roles of the systems analyst.
September (Month-2)	WEEK-1:- Systems analysis: Initial investigation, needs identification.
	WEEK-2:- determining the user's information requirements, Information-gathering tools.
	WEEK-3:-Structured analysis tools: Data flow diagram, Data dictionary,
	WEEK-4 Decision tree, Structured English, Decision tables.
October (Month-3)	WEEK-1:- Feasibility study: Feasibility considerations, Steps in Feasibility analysis. Systems Design:
	WEEK-2:-The process and stages of systems design, Input/output and forms design, Database design.
	WEEK-3:-Implementation and software maintenance: Conversion, Post-implementation review.
	WEEK-4:- (MST - From 24-10-2018 to 31-10-2018)
November (Month-4)	WEEK-1:- Software maintenance: maintenance or enhancement, Primary activities of a maintenance procedure.
	WEEK-2:- Hardware and software selection: Procedure and major phases in selection.
	WEEK-3:- Revision and quaries.
	WEEK-4:- Revision and quaries.

Manpreet Singh

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H.E.I.S Department

SYLLABUS PLAN
Bca sem 5

Subject : JAVA PROGRAMMING

Session 2021-2022

Month	Topic
Aug **(Month 1)**	**Week 1 Introduction to java:** evolution, features, comparison with C and C++**1**
	Week 2 Java program structure; tokens, keywords, constants, variables
	Week 3 data types, type casting, statements. **Operators and expressions:** arithmetic, relational, logical, assignment, increment, decrement, conditional, bitwise and special operators.
	Week 4 Operator precedence & associativity rules.
Sep **(Month 2)**	**Week 1Control statements:** if else, switch case, for, while, do while
	Week 2 break, continue, labelled loops
	Week 3Class: syntax, instance variable, class variables, methods, constructors, overloading of constructors and methods.
	Week 4 MST
Oct **(Month 3)**	**Week 1Inheritance:** types of inheritance, use of super, method overriding
	Week 2 final class, abstract class, wrapper classes.
	Week 3 Arrays, Strings and Vectors, Packages and Interfaces, visibility controls
	Week 4Class: syntax, instance variable, class variables, methods, constructors, overloading of constructors and methods.
Nov **(Month 4)**	**Week 1** Exception handling in java, use of try, catch, finally, throw and throws. Taking user input
	Week 2 Command line arguments, **Multithreaded Programming:** Creating Threads
	Week 3, Life cycle of thread, Thread priority, Thread synchronization,
	Week 4 Inter-thread communication.

Teacher

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LESSON PLAN

Session(2021-22)

Subject: BCA-315: Web Designing using HTML and DHTML   **(Sem 5)**

SESSION	TOPIC
August (Month 1)	**Week 1 Introduction to HTML:** Basic HTML concepts, an overview of HTML markup.
	Week 2 What is good Web design; the process of Web publishing; implementation; the phases of Web site development; HTML's role in the Web;
	Week 3 HTML overview: the structure of HTML documents; document types; the <HTML> element; the <HEAD> element; the <BODY> element; Issues facing HTML and the Web.
	Week 4 Links and Addressing: Linking basics; what are URLs; linking in HTML; anchor attributes; images and anchors; image maps; semantic linking with the <LINK> element; meta-information;
September (Month 2)	**Week 5** Mid semester Test-I
	Week 6 HTML and Images: The role of images on the Web; image preliminaries; obtaining images; HTML image basics;
	Week 7 Image downloading issues;
	Week 8 Images as buttons; and image maps.
	Week 9 Introduction to Layout: Backgrounds, Colors, and Text; design requirements; HTML approach to Web design; fonts; colors in HTML; document-wide color attributes for, <BODY>; and background images. Introduction to tables, LISTS; frames
October (Month 3)	**Week 10 Style Sheets:** style sheets basics; style sheet example; style sheet properties; positioning with style sheets;
	Week11 Mid semester Test-*II*
	Week 12 Basic Interactivity and HTML: Forms form preliminaries; the <FORM> element; form controls;
	Week 13 Introduction to Server-Side Programming: This chapter covers: overview of client/server programming on the Web; server-side programming;

	common gateway interface (CGI);
November (Month 4)	Dynamic HTML (DHTML): dynamic HTML and document object model; HTML and scripting access; rollover buttons; moving objects with DHTML; and ramifications of DHTML.
	Revision

Teacher Signature

(Head of Deptt.)

LESSON PLAN
Session(2021-22)

Subject: BCA-325: Web Designing using ASP.NET   **(Sem 6)**

SESSION	TOPIC
January (Month 1)	**Week 1 INTRODUCTION TO .NET FRAMEWORK** Genesis of .Net – Features of .Net - .Net binaries – Microsoft Intermediate Language – Meta Data - .Net types and .net name spaces
	Week 2 Common Language Runtime – Common Type System – Common Language Specification - .Net Applications using command line compiler and visual studio .net IDE.
	Week 3 ASP. NET Introducing ASP .NET – Creating and deploying ASP .NET applications – Web forms
	Week 4 BASICS– Web controls – working with events – Rich web controls
February (Month 2)	**Week 5** Mid semester Test-I
	Week 6 Custom web controls – Validation controls – Debugging ASP .NET pages.
	Week 7 ADVANCED ASP .NET ASP .NET configuration – Business objects – HT **BUILDING WEB SERVICES** Introduction to web services – Web services Infrastructure
	Week 8 SOAP – Building a web service – Deploying and publishing web services
March (Month 3)	**Week 9** Finding web services – Consuming web services.
	Week 10 Deploying and publishing web services – Finding web services – Consuming web services.
	Week 11 Mid semester Test-II
	Week 12 ADO .NET Basics of ADO .NET – Changes from ADO – Data
April (Month 4)	**Week 13** Table – Data Views – Data Set
	Week 14 Data Relation Type – ADO .NET Managed Providers – OleDb and SQL Managed Providers
	Week 15 OleDb Data Adapter Type.
	Week 16 Revision

Teacher Signature

(Head of Deptt.)

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SYLLABUS PLAN
BCA sem 6

Subject :E-Commerce

Session 2021-2022

Month	Topic
Jan (Month 1)	**Week 1Introduction to E-commerce:** Definition of E-commerce, Advantages and disadvantages of E-commerce
	Week 2 E-commerce versus traditional commerce. Internet and WWW
	Week 3 Electronic commerce framework, Electronic commerce and media convergence, The anatomy of E-commerce applications.
	Week 4, Architectural framework for E-commerce
Feb (Month 2)	**Week 1** World Wide Web as the architecture,
	Week 2 Web background: Hypertext publishing,
	Week 3 Security and the Web.
	Week 4Consumer-oriented E-commerce: Consumer-oriented applications
March (Month 3)	**Week 1** Mercantile Process Models – consumer's perspective, Merchant's perspective
	Week 2Advertising and Marketing on the Internet: The new age information based marketing
	Week 3 Advertising on the Internet – Active or push-based advertising models, Passive or pull-based advertising models
	Week 4 Guidelines for Internet advertising. Online marketing process.
April (Month 4)	**Week 1** Types of Electronic Payment Systems, Digital token-based electronic payment systems, Smart cards and electronic payment systems
	Week 2 Credit card-based electronic payment systems, Risk and electronic payment systems.
	Week 3 Electronic Data Interchange and its applications in business.
	Week 4 Legal, Ethical and other public policy issues related to e-commerce. queries from students

Teacher

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Govt. College, Ropar

Computer Department (HEIS)

Class B.C.A Sem. VI
(Session 2021-2022)

Week	Lesson scheduled
1st	ਅਨੁਵਾਦ
2nd	ਸਮਕਾਲੀ ਪੰਜਾਬੀ ਨਾਟਕ, ਪਰਿਭਾਸ਼ਾ
3rd	ਪੱਤਣ ਦੀ ਬੇੜੀ ਇਕਾਗੀ
4th	ਬੰਦ ਕਮਰੇ
5th	**ਕਾਰਕ ਅਤੇ ਕਾਰਕੀ ਸਬੰਧ**
6th	ਤੁੜੀ ਦਾ ਕੋਠਾ
7th	ਚਿੜੀਆਂ
8th	➢ MST
9th	➢ MST
10th	ਬਲੀ ਕਿੱਥੇ ਜਾਵੇ
11th	ਵਾਕਾਤਮਕ ਜੁਗਤਾ
12th	ਮੇਲ ਅਤੇ ਅਧਿਕਾਰ ਪਰਿਭਾਸ਼ਾ,ਕਿਸਮਾ
13th	ਮੇਲ ਅਤੇ ਅਧਿਕਾਰ ਪਰਿਭਾਸ਼ਾ,ਕਿਸਮਾ
14th	ਮੇਲ ਅਤੇ ਅਧਿਕਾਰ ਪਰਿਭਾਸ਼ਾ,ਕਿਸਮਾ
15th	ਅੰਗਰੇਜੀ ਤੋ ਪੰਜਾਬੀ ਅਨੁਵਾਦ
16th	ਦੁਹਰਾਈ।

Gurpreet Kaur
Teacher

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Ropar

Govt. College, Ropar
Computer Department (HEIS)
Class B.C.A Sem. V
(Session 2021-2022)

Week	Lesson scheduled
1st	ਲੇਖ-ਰਚਨਾ - ਪੰਜਾਬ ਦੇ ਮੇਲਿਆਂ ਅਤੇ ਤਿਉਹਾਰਾਂ ਨਾਲ ਸਬੰਧਤ
2nd	ਵਿਹਾਰਕ ਵਿਆਕਰਨ ਵਿਸ਼ਲੇਸ਼ਣ
3rd	ਨਾਉਂ ਵਾਕੰਸ਼, ਪਰਿਭਾਸ਼ਾ, ਬਣਤਰ ਅਤੇ ਪ੍ਰਕਾਰ
4th	ਲੋਕਧਾਰਾ ਦੀ ਭੂਮਿਕਾ
5th	ਲੋਕਧਾਰਾ ਦੀ ਭੂਮਿਕਾ (1, 2) ਲੇਖ ਦਾ ਵਿਸ਼ਾ, ਸਾਰ
6th	ਲੋਕਧਾਰਾ ਦੀ ਭੂਮਿਕਾ (3,4) ਲੇਖ ਦਾ ਵਿਸ਼ਾ, ਸਾਰ
7th	ਲੋਕਧਾਰਾ ਦੀ ਭੂਮਿਕਾ (5,6) ਲੇਖ ਦਾ ਵਿਸ਼ਾ, ਸਾਰ
8th	MST
9th	MST
10th	ਲੋਕਧਾਰਾ ਦੀ ਭੂਮਿਕਾ (7,8) ਲੇਖ ਦਾ ਵਿਸ਼ਾ, ਸਾਰ
11th	ਲੋਕਧਾਰਾ ਦੀ ਭੂਮਿਕਾ (9,10) ਲੇਖ ਦਾ ਵਿਸ਼ਾ, ਸਾਰ
12th	ਲੋਕਧਾਰਾ ਦੀ ਭੂਮਿਕਾ (11, 12) ਲੇਖ ਦਾ ਵਿਸ਼ਾ, ਸਾਰ
13th	ਲੋਕਧਾਰਾ ਦੀ ਭੂਮਿਕਾ (13) ਲੇਖ ਦਾ ਵਿਸ਼ਾ, ਸਾਰ
14th	ਕਿਰਿਆ ਵਾਕੰਸ਼ ਬਣਤਰ ਅਤੇ ਪ੍ਰਕਾਰ
15th	ਕਿਰਿਆ ਵਾਕੰਸ਼ ਬਣਤਰ ਅਤੇ ਪ੍ਰਕਾਰ
16th	ਦੁਹਰਾਈ।

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