

SIRDA Polytechnic Sunder Nagar Lesson Plan

Branch : **Computer Engg.**Subject : **Web Programming**

Session : 2023 Sem : 4th

| SR.No. | Date | Total Lecture | Chapter | Topic |
|----------|-----------|------------------|-------------------------------------|---|
| 1 | 2/14/2023 | 1 | | Review of HTML5, |
| 2 | 2/16/2023 | 2 | | CSS and JavaScript; |
| 3 | 2/17/2023 | 3 | Unit-1 : Dynamic Websites Basics | HTTP, HTTP Request, HTTP Response, |
| 4 | 2/21/2023 | 4 | | URL, Working of Web Servers and Web Browsers, |
| 5 | 2/23/2023 | 5 | | Static Websites, Dynamic Websites, |
| 6 | 2/24/2023 | 6 | | Web Applications, Form Data Submission Methods - GET and POST, |
| 7 | 2/25/2023 | 7 | | HTTP Sessions, |
| 8 | 2/28/2023 | 8 | | HTTP Cookies. |
| 9 | 3/2/2023 | 9 | | Origin of PHP, Advantages of PHP, |
| 10 | 3/3/2023 | 10 | | Working of PHP, Embedding PHP Code in Webpages, |
| 11 | 3/4/2023 | 11 | | LAMP Stack, Install and Configure PHP Environment, |
| 12 | 3/9/2023 | 12 | | PHP Script, PHP Syntax, Statements, Comments, |
| 13 | 3/10/2023 | 13 | Unit-2 : Introduction | Variables, Naming Variables, Variable Scope, |
| 14 | 3/14/2023 | 14 | to PHP | Constants, echo and print Statements, |
| 15 | 3/16/2023 | 15 | | PHP Data Types, |
| 16 | 3/17/2023 | 16 | | String Literals - Single and Double Quoted Strings,Operators, PHP Control Statements, |
| 17 | 3/18/2023 | 17 | | Class Test -1 |
| 18 | 3/21/2023 | 18 | | PHPArrays. |
| 19 | 3/23/2023 | 19 | | PHP Standard Library Functions: String Functions - html specialchars(), |
| 20 | 3/24/2023 | 20 | | Itrim(), rtrim(), trim(), |
| 21 | 3/25/2023 | 21 | | strtoupper(), strtolower(), explode(), |
| 22 | 3/28/2023 | 22 | Unit-3 : PHP | implode(), strlen(), strcmp(), strpos(); |
| 23 | 3/31/2023 | 23 | Functions | Math Functions - sqrt(), ceil(), |
| 24 | 4/1/2023 | 24 | | floor(), logIO(), pow(), |
| 25 | 4/6/2023 | 25 | | sin(), cos(), tan(); |
| 26 | 4/11/2023 | 26 | | Class Test - 2 |
| 27 | 4/13/2023 | 27 | | User-defined Functions.HTML Form Element, action and method Attributes, |
| 28 | 4/18/2023 | 28 | | submit and clear Buttons, Form Elements, name and id attributes, |
| 29 | 4/20/2023 | 29 | Unit-4 : PHP Form | Hidden Input, Client-side Form Validation |
| 30 | 4/21/2023 | 30 | Processing | , PHP Superglobals - \$GLOBALS, \$_SERVER, \$_REQUEST, |
| 31 | 4/25/2023 | 31 | | \$_POST,\$_GET, \$_FILES, \$_ENV, \$_COOKIE, \$_SESSION; |
| 32 | 4/27/2023 | 32 | | Server-side Validation, Handling Uploaded Files. |
| 33 | 4/28/2023 | 33 | | Handling Date and Time; |
| 34 | 4/29/2023 | 34 | | Dealing with Multiple PHP files : |
| 35 | 5/1/2023 | 35 | Unit-5 : PHP Advanced Features | include, require, include_once and require_once; |
| 36 | 5/4/2023 | 36 | | HTTP Sessions and Cookies, Error and Exception Handling in PHP, PHP Mail, |
| 37 | 5/6/2023 | 37 | | using HTTP Headers with header() Function, Cross-Site Scripting (XSS) ,Attack and its Prevention. |
| 38 | 5/8/2023 | | | |
| 39 | 5/11/2023 | | House Test we | ek According to Academic Calendar (i.e. 2nd week of May 2023) |
| 40 | 5/12/2023 | | | |
| 41 | 5/15/2023 | 38 | | Basic Database Concepts - Database, Table, |
| 42 | 5/18/2023 | 39 | | Column Types, Constraints, Views, |
| 43 | 5/19/2023 | 40 | | Creating Database Users and Granting Privileges; |
| 44 | 5/20/2023 | 41 | linit 6 . linin | Connecting PHP to MySQL, |
| 45 | 5/25/2023 | 42 | Unit-6 : Using MySQL Database in | Executing Simple SQL Statements INSERT, |
| 46 | 5/26/2023 | 43 | PHP | UPDATE, DELETE and SELECT, Detrioving and Draggeing Overy Decults |
| 47 | 5/27/2023 | 44 | | Retrieving and Processing Query Results, |
| 48 | 5/29/2023 | 45 | | mysqli_real_escape_string() function, |
| 49 | 6/1/2023 | 46 | | Handling MySQL errors, Handling SQL Injection |
| 50 | 6/2/2023 | 47 | | Handling SQL Injection. Pole of YML YML Syntox |
| 51 | 6/3/2023 | 48 | | Role of XML, XML Syntax, |
| 52 | 6/6/2023 | 49 | | XML Tags, XML Elements, XML Attributes, Maniplulatic XML in PHP: |
| 53 | 6/8/2023 | 50 | Unit-7: Using XML and AJAX with PHP | XML Attributes, Maniplulatig XML in PHP; Role of AJAX, Handling AJAX Requests in PHP. |
| 54 | 6/9/2023 | 51 | | Rule of AJAA, Hamuling AJAA Requests in PHP. |
| 55 56 | | | | |
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Lesson Plan

Branch : Computer Engg.

Session : **2023** Subject: Relational Database Management System Sem : 4th

| SR.No. | Date | Total Lecture | Chapter Chapter | Topic | Remarks |
|----------|-----------|------------------|------------------------------------|---|---------|
| 1 | 2/14/2023 | 1 | | Database Systems, Database and its Purpose, | |
| 2 | 2/15/2023 | 2 | Systems | Comparison of Database Approach with File-based and Traditional Record Keeping Approaches | |
| 3 | 2/16/2023 | 3 | | Advantages and Disadvantages of Database Approach, | |
| 4 | 2/17/2023 | 4 | | Classification of Database Users, Role of DBA. | |
| 5 | 2/21/2023 | 5 | | Data Models, | |
| 6 | 2/22/2023 | 6 | | Schemas, and Instances; | |
| 7 | 2/23/2023 | 7 | Unit-2 : Database System Concepts | ANSI/SPARC Architecture of a Database System, | |
| 8 | 2/24/2023 | 8 | and Architecture | External Level, Conceptual Level, Internal Level, | |
| 9 | 2/28/2023 | 9 | | Mappings; Data Independence, Logical Data Independence, | |
| 10 | 3/1/2023 | 10 | | Physical Data Independence. | |
| 11 | 3/2/2023 | 11 | | Relational Database Model, | |
| 12 | 3/3/2023 | 12 | | Relations, Attributes, Tuples, Domains; Key - Primary Key, | |
| 13 | 3/9/2023 | 13 | Unit-5 . Relational | Candidate Keys, Alternate Keys, Superkey, Secondary Key, Foreign Keys; | |
| 14 | 3/10/2023 | 14 | Model | | |
| 15 | 3/14/2023 | 15 | | Database Constraints. | |
| 16 | 3/15/2023 | 16 | | Class Test -1 | |
| 17 | 3/16/2023 | 17 | | Entity, Entity Sets, Strong and Weak Entities, | |
| 18 | 3/17/2023 | 18 | Unit-4 : Entity Relationship Model | Attributes, and Keys; Association, Relationship, Roles, and | |
| 19 20 | 3/21/2023 | 19 20 | | Structural Constraints, ER Diagrams. | |
| 20 | 3/22/2023 | 20 | | Object Naming Conventions, | |
| 22 | 3/24/2023 | 22 | | Keywords, Database, Table, | |
| 23 | 3/28/2023 | 23 | | View, Index, Alias; | |
| 24 | 3/29/2023 | 24 | | Data Types - Numeric, Date and Time, String Types; | |
| 25 | 3/31/2023 | 25 | | Data Definition Language(DDL): CREATE, DROP, ALTER, RENAME, | |
| 26 | 4/4/2023 | 26 | | Data Definition Language(DDL): CREATE, DROP, ALTER, RENAME, | |
| 27 | 4/5/2023 | 27 | | Data Manipulation Language(DML): INSERT, UPDATE , DELETE, | |
| 28 | 4/6/2023 | 28 | | SELECT, SELECT Clauses: FROM, WHERE,ORDER BY, | |
| 29 | 4/11/2023 | 29 | | Class Test - 2 | |
| 30 | 4/12/2023 | 30 | Unit-5 : Structure | GROUP BY, HAVING, Operators: Arithmetic, Logical, Relational, | |
| 31 | 4/13/2023 | 31 | Query Language (SQL) using MySQL | String; Joins: Inner, Left, | |
| 32 | 4/18/2023 | 32 | | Right and Outer Joins; | |
| 33 | 4/19/2023 | 33 | | Subqueries, | |
| 34 | 4/20/2023 | 34 | | Set Operations: Union, | |
| 35 | 4/21/2023 | 35 | | Intersect, Minus, | |
| 36 | 4/25/2023 | 36 | | Data Control Language(DCL): GRANT, REVOKE; | |
| 37 | 4/26/2023 | 37 | | Data Control Language(DCL): GRANT, REVOKE; | |
| 38 | 4/27/2023 | 38 | _ | Transaction Control Language(TCL): COMMIT, ROLLBACK, SAVEPOINT | |
| 39 | 4/28/2023 | 39 | | Transaction Control Language(TCL): COMMIT, ROLLBACK, SAVEPOINT | |
| 40 | 5/2/2023 | 40 | limit C . | Transaction Control Language(TCL): COMMIT, ROLLBACK, SAVEPOINT | |
| 41 | 5/3/2023 | 41 | Dependencies and | Prime and Non-Prime Attributes, | |
| 42 | 5/4/2023 | 42 | Normalization | Functional Dependencies, Trivial and Non-trivial Dependencies, | |
| 43 44 | 5/9/2023 | | | | |
| 45 | 5/11/2023 | | House Test we | eek According to Academic Calendar (i.e. 2nd week of May 2023) | |
| 46 | 5/12/2023 | | | | |
| 47 | 5/16/2023 | 43 | | Non-Loss Decomposition, | |
| 48 | 5/17/2023 | 44 | Unit-6 : | Normalization, First, Second and | |
| 49 | 5/18/2023 | 45 | Dependencies and Normalization | Third Normal Forms, | |
| 50 | 5/19/2023 | 46 | | Boyce/Codd Normal Form. | |
| 51 | 5/23/2023 | 47 | | Numeric: ABS, ROUND | |
| 52 | 5/24/2023 | 48 | | , FLOOR, CEIL, SQRT, | |
| 53 | 5/25/2023 | 49 | | POWER, TRUNCATE, LOG; | |
| 54 | 5/26/2023 | 50 | | Date and Time Functions : NOW, DATE, TIME, CURDATE, | |
| 55 | 5/30/2023 | 51 | Unit-7 : Functions in | CURTIME, DAY , MONTH, YEAR, DATEDIFF, | |
| 56 | 5/31/2023 | 52 | SQL | DATE_SUB, DATE_ADD, DATE_FORMAT; | |
| 57 | 6/1/2023 | 53 | | String Functions: CONCACT, LENGTH, UPPER, LOWER, LEFT, RIGHT, | |
| 58 | 6/2/2023 | 54 | | LTRIM, RTRIM; Aggregate Functions: MAX, MIN, SUM, AVG, COUNT; | |
| 59 | 6/6/2023 | 55 | | Data Conversion Functions: CAST, STR_TO_DATE; | |
| 60 | 6/7/2023 | 56 | | User Defined Procedures and Functions (Introduction only) | |

Lesson Plan



Branch : **Computer Engg.**

Session : **2023** Subject : Data Structure using C Sem : 4th Total

| SR.No. | Date | Total Lecture | Chapter | Topic | Remarks |
|--------|-----------|------------------|--------------------------------|---|---------|
| 1 | 2/14/2023 | 1 | | Data Types | |
| 2 | 2/16/2023 | 2 | | Data Structures - Linear and Non-Linear Data Structures, | |
| 3 | 2/17/2023 | 3 | Unit-1: Introduction | Pointers, | |
| 4 | 2/21/2023 | 4 | | Dynamic Memory Allocation (malloc(), | |
| 5 | 2/23/2023 | 5 | | Dynamic Memory Allocation (calloc() and free()) | |
| 6 | 2/24/2023 | 6 | | One-Dimensional Arrays - Representation in Memory, Declaration, Initialization, | |
| 7 | 2/25/2023 | 7 | | Operations on Arrays - Traversing, Searching, | |
| 8 | 2/28/2023 | 8 | | Insertion, Deletion and Sorting | |
| 9 | 3/2/2023 | 9 | | Insertion, Deletion and Sorting | |
| 10 | 3/3/2023 | 10 | Unit-2 : Arrays and Structures | Order), Declaration, Initialization, | |
| 11 | 3/4/2023 | 11 | | Structures - Declaration, Typedef Declarations, Initialization of Structures, | |
| 12 | 3/9/2023 | 12 | | accessing the Members of a Structure. Nested Structures. | |
| 13 | 3/10/2023 | 13 | | of a Structure, Nested Structures, Arrays of Structures, Passing Structures as Function Parameters, | |
| 14 | 3/14/2023 | 14 | | Passing Structures as Function Parameters, Self-referential Structures. | |
| 15 | 3/16/2023 | 15 | | Class Test -1 | |
| 16 | 3/17/2023 | 16 | | Stack, Representation of stacks, Implementation of stacks (using arrays) | |
| 17 | 3/18/2023 | 17 | | Operations on Stacks - Push, Pop, Peek; | |
| 18 | 3/21/2023 | 18 | | Operations on Stacks - Push, Pop, Peek; | |
| 19 | 3/23/2023 | 19 | Unit-3 : Stacks and | Applications of Stacks; | |
| 20 | 3/24/2023 | 20 | Queue | Queues, | |
| 21 | 3/25/2023 | 21 | | Operations on Queues | |
| 22 | 3/28/2023 | 22 | | Applications of Queues, | |
| 23 | 3/31/2023 | 23 | | Circular Queues, | |
| 24 | 4/1/2023 | 24 | | Double-Ended Queues. | |
| 25 | 4/6/2023 | 25 | | Linked List, | |
| 26 | 4/11/2023 | 26 | | Representation of Linked Lists in Memory, Linked Lists versus Arrays, | |
| 27 | 4/13/2023 | 27 | | Class Test - 2 | |
| 28 | 4/18/2023 | 28 | | Operations on Linked List - Insertion, | |
| 29 | 4/20/2023 | 29 | | Deletion, | |
| 30 | 4/21/2023 | 30 | - | Traversing, | |
| 31 | 4/25/2023 | 31 | Unit-4 : Linked Lists | Searching; | |
| 32 | 4/27/2023 | 32 | | Application of Linked Lists; | |
| 33 | 4/28/2023 | 33 | | Doubly Linked Lists, Operations on Doubly Linked Lists - Insertion | |
| 34 | 4/29/2023 | 34 | | Deletion, | |
| 35 | 5/1/2023 | 35 | | Traversing, | |
| 36 | 5/4/2023 | 36 | | Circular Linked Lists | |
| 37 | 5/6/2023 | 37 | Unit-5 : Trees | Basic Concept of Trees - Node, Root, Parent, Children, Sibling, Leaves; | |
| 38 | 5/8/2023 | | | | |
| 39 | 5/11/2023 | | House Test w | eek According to Academic Calendar (i.e. 2nd week of May 2023) | |
| 40 | 5/12/2023 | | | | |
| 41 | 5/15/2023 | 38 | | Binary Tree, | |
| 42 | 5/18/2023 | 39 | | Traversing | |
| 43 | 5/19/2023 | 40 | | Binary Trees (Pre order, Post order and in order) | |
| 44 | 5/20/2023 | 41 | Unit-5 : Trees | Binary Trees (Pre order, Post order and in order) | |
| 45 | 5/25/2023 | 42 | | Binary Trees (Pre order, Post order and in order) | |
| 46 | 5/26/2023 | 43 | | Applications of Trees. | |
| 47 | 5/27/2023 | 44 | | Searching | |
| 48 | 5/29/2023 | 45 | | Search algorithm (Linear) | |
| 49 | 6/1/2023 | 46 | | Search algorithm (Binary), | |
| 50 | 6/2/2023 | 47 | | Sorting, Sorting Algorithms Bubble Sort | |
| 51 | 6/3/2023 | 48 | | Sorting Algorithms Bubble Sort | |
| 52 | 6/6/2023 | 49 | | Selection Sort, | |
| 53 | 6/8/2023 | 50 | | Merge Sort | |
| 54 | 6/9/2023 | 51 | | comparisons | |
| 55 | | | | | |
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Lesson Plan

Branch : Computer Engg.

Session : **2023**

| Subject : | Computer Organization & Architecture | Sem : 4th |
|-----------|--------------------------------------|-----------|
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| | | | Subject: Co | omputer Organization & Architecture | Sem : 4th |
|--------|---------------|------------------|---------------------------------|--|------------------|
| SR.No. | Date | Total Lecture | Chapter | Topic | Remarks |
| 1 | 2/15/2023 | 1 | | Brief history of computers | |
| 2 | 2/16/2023 | 2 | | Block Diagram of Digital Computers, | |
| 3 | 2/17/2023 | 3 | - | Computer Organization, | |
| | 2/17/2023 | л | Unit-1: Introduction | Computer Design | |
| 5 | 2/22/2023 | <u>4</u> | | Computer Architecture | |
| 5 | 2/23/2023 | 6 | | Computer Architecture Von Neumann Architecture. | |
| 6 | 2/24/2023 | 0 | | | |
| 7 | 2/27/2023 | 7 | | Addition and Subtraction with Signed-Magnitude Data - Hardware Implementation and Algorithm. | |
| 0 | 0/4/0000 | | | Addition and Subtraction with Signed-Magnitude Data - Hardware Implementation and | |
| 8 | 3/1/2023 | 8 | | Algorithm. | |
| 9 | 3/2/2023 | 9 | | Addition and Subtraction with 2's Complements Data - Hardware for 2's complement addition and subtraction, | |
| | | <u> </u> | _ | Addition and Subtraction with 2's Complements Data - Hardware for 2's complement | |
| 10 | 3/3/2023 | 10 | Unit-2 : Computer Arithmetic | addition and subtraction, | |
| 11 | 3/6/2023 | 11 | Antimetic | algorithm for adding and subtracting numbers in 2's complement representation. | |
| 12 | 3/9/2023 | 12 | | algorithm for adding and subtracting numbers in 2's complement representation. | |
| 13 | 3/10/2023 | 13 | | Multiplication Algorithms - Hardware Implementation for Signed-Magnitude Data, | |
| 14 | 3/13/2023 | 14 | | Multiplication Algorithms - Hardware Implementation for Signed-Magnitude Data, | |
| 15 | 3/15/2023 | 15 | | Booth Multiplication Algorithm | |
| 16 | 3/16/2023 | 16 | | Booth Multiplication Algorithm, Components of CPU, | |
| 17 | 3/17/2023 | 17 | | Class Test -1 | |
| 18 | 3/20/2023 | 18 | | General Register Organization, | |
| 19 | 3/22/2023 | 19 | | Stack Organization - Register and Memory Stack, | |
| 20 | 3/23/2023 | 20 | | Reverse Polish Notation and Evaluation of Arithmetic Expressions; | |
| 21 | 3/24/2023 | 21 | | Instruction formats Three Address Instructions, Two Address Instructions, One Address | |
| | | | Unit-3 : Central | Instructions, Zero Address Instructions Instruction formate Three Address Instructions, Two Address Instructions, One Address | |
| 22 | 3/27/2023 | 22 | Processing Unit | Instruction formats Three Address Instructions, Two Address Instructions, One Address Instructions, Zero Address Instructions | |
| 23 | 3/29/2023 | 23 | | Instruction formats Three Address Instructions, Two Address Instructions, One Address | |
| | | | _ | Instructions, Zero Address Instructions | |
| 24 | 3/31/2023 | 24 | | Brief Introduction to RISC and CISC | |
| 25 | 4/3/2023 | 25 | | Brief Introduction to RISC and CISC; | |
| 26 | 4/5/2023 | 26 | | Microprogrammed Vs Hardwired Control Units. | |
| 27 | 4/6/2023 | 27 | - | Memory Device Characteristics, | |
| 28 | 4/10/2023 | 28 | _ | Memory Hierarchy, Main Memory (RAM & ROM) | |
| 29 | 4/12/2023 | 29 | - | Class Test - 2 | |
| 30 | 4/13/2023 | 30 | Unit-4 : Memory Organization | Introduction to Associative Memory, | |
| 31 | 4/17/2023 | 31 | Organization | Cache Memory - Locality of Reference, | |
| 32 | 4/19/2023 | 32 | | Hit Ratio, | |
| 33 | 4/20/2023 | 33 | _ | Writing into Cache - Write Through | |
| 34 | 4/21/2023 | 34 | | Writing into Cache -Write Back; | |
| 35 | 4/24/2023 | 35 | | Peripheral Devices. | |
| 36 | 4/26/2023 | 36 | | Input-Output Interface - I/O Versus Memory Bus, | |
| 37 | 4/27/2023 | 37 | Unit-5 : Input-Output | Isolated versus Memory-Mapped I/O; | |
| 38 | 4/28/2023 | 38 | Organization | Isolated versus Memory-Mapped I/O; | |
| 39 | 5/1/2023 | 39 | | Modes of Transfer | |
| 40 | 5/3/2023 | 40 | | Programmed I/O | |
| 41 | 5/4/2023 | 41 | | Interrupt-Initiated I/O ,DMA. | |
| 42 | 5/8/2023 | | | | |
| 43 | 5/10/2023 | | Hou | se Test week According to Academic Calendar (i.e. 2nd week of May 2023) | |
| 44 | 5/11/2023 | | 1100 | The state of the s | |
| 45 | 5/12/2023 | | | | |
| 46 | 5/15/2023 | 42 | | Address Bus, Data Bus, | |
| 47 | 5/17/2023 | 43 | | Interrupts, | |
| 48 | 5/18/2023 | 44 | Unit-6 : 8085 Microprocessor | Addressing Modes, | |
| 49 | 5/19/2023 | 45 | | Instruction Set (Introduction only), | |
| 50 | 5/24/2023 | 46 | | Memory and I/O Interfacing. | |
| 51 | 5/25/2023 | 47 | | Parallel Processing, | |
| 52 | 5/26/2023 | 48 | | Parallel Processing, | |
| 53 | 5/29/2023 | 49 | Unit-7 : Overview of Advanced | Pipelining, | |
| 54 | 5/31/2023 | 50 | Microprocessor | Vector Processing, | |
| 55 | 6/5/2023 | 51 | Technologies | Vector Processing, | |
| 56 | 6/7/2023 | 52 | | Hyper Threading | |
| | 6/8/2023 | 53 | | | |
| | 6/9/2023 | 54 | | | |
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Lesson Plan

Branch : Computer Engg.

Session : **2023** Subject: Software Engineering Sem : 4th

| SR.No. | Date | Total Lecture | Chapter | Topic | Remarks |
|--------|------------------------|------------------|----------------------------|---|---------|
| 1 | 2/14/2023 | 1 | | Software Overview: Definition, Characteristics, | |
| 2 | 2/16/2023 | 2 | | Software Evolution; Software Paradigms: Software Development Paradigm, | |
| 3 | 2/20/2023 | 3 | to Software Engineering | Software Design Paradigm and Programming Paradigm. | |
| 4 | 2/21/2023 | 4 | | Software Engineering: Definition, Need of Software Engineering, | |
| 5 | 2/23/2023 | 5 | | Emergence of Software Engineering and | |
| 6 | 2/25/2023 | 6 | | Notable Changes in Software Development Practices. | |
| 7 | 2/27/2023 | 7 | | Software Development Life Cycle Activities: Communication, | |
| 8 | 2/28/2023 | 8 | | Requirement Gathering, Feasibility Study, | |
| 9 | 3/2/2023 | 9 | | System Analysis, Software Design, | |
| 10 | 3/4/2023 | 10 | Unit-2 : Software | Coding, Testing, Integration, | |
| 11 | 3/6/2023 | 11 | Development Life | Implementation and Operation and Maintenance; | |
| 12 | 3/9/2023 | 12 13 | Cycle and Models | Software Development Life Cycle Models: Classical Waterfall Model, Prototype Model, Rapid Application Model, | |
| 14 | 3/14/2023 | 14 | | Class Test -1 | |
| 15 | 3/16/2023 | 15 | | Spiral Model, Comparison of Different Life Cycle Models, | |
| 16 | 3/18/2023 | 16 | | Selection Criteria of an Appropriate Life Cycle Model for a Project. | |
| 17 | 3/20/2023 | 17 | | Metrics used for Project Size Estimation, | |
| 18 | 3/21/2023 | 18 | | Metrics used for Project Size Estimation, | |
| 19 | 3/23/2023 | 19 | | Project Estimation Techniques, | |
| 20 | 3/25/2023 | 20 | Unit-3 : Software | Project Estimation Techniques, | |
| 21 | 3/27/2023 | 21 | | Empirical and | |
| 22 | 3/28/2023 | 22 | | COCOMO Estimation Techniques. | |
| 23 | 4/1/2023 | 23 | | COCOMO Estimation Techniques. | |
| 24 | 4/3/2023 | 24 | | COCOMO Estimation Techniques. | |
| 25 | 4/4/2023 | 25 | | Software Requirements: Goal of the Requirements Analysis and Specification Phase, | |
| 26 | 4/6/2023 | 26 | | Types of Requirements - Functional Requirements, Non-Functional Requirements and | |
| 27 | 4/10/2023 | 27 | | User Interface Requirements; Requirement Elicitation Process: Requirements Elicitation | , |
| 28 | 4/11/2023 | 28 | Unit-4 : Software | Organizing Requirements, Negotiation, | |
| 29 | 4/13/2023 4/17/2023 | 29 30 | Requirement Analysis and | Discussion and Documentation; Requirement Elicitation Techniques: Interviews, | |
| 30 | 4/17/2023 | 31 | Specification | Class Test -2 Surveys, Questionnaires, Brainstorming, Requirements Analysis, | |
| 32 | 4/20/2023 | 32 | _ | Software Requirements Specification (SRS) Document, | |
| 33 | 4/24/2023 | 33 | | User of SRS Document, | |
| 34 | 4/25/2023 | 34 | | Characteristics of a Good SRS Document. | |
| 35 | 4/27/2023 | 35 | | Software Design Overview: Goals and Outcome of Software Design Phase, | |
| 36 | 4/29/2023 | 36 | | Characteristics of a Good Software Design, | |
| 37 | 5/1/2023 | 37 | Unit-5 : Software | Cohesion and Coupling; Software Design Levels: Architectural Design, | |
| 38 | 5/2/2023 | 38 | Design | High-level Design and Detailed Design; Software Analysis and Design Tools (Introduction Only): Data Flow Diagram, | |
| 39 | 5/4/2023 | 39 | | Structure Charts. Software Design Strategies:Structured Design, Function Oriented Design | gn, |
| 40 | 5/6/2023 | 40 | | Software Design Approaches: Top Down Design, Bottom Up Design. | |
| 41 | 5/8/2023 | | | | |
| 42 | 5/9/2023 | | House Test we | eek According to Academic Calendar (i.e. 2nd week of May 2023) | |
| 43 | 5/11/2023 | | | Software Coding Overview: Goal of Software Coding Phase, Coding Standards and | |
| 44 | 5/15/2023 | 41 | | Guidelines. Code Reviews: Code Walkthrough, | |
| 45 | 5/16/2023 | 42 | Unit-6 :Software | Code Inspection and Clean Room Testing | |
| 46 | 5/18/2023 | 43 | Coding | Software Documentation: Internal Software Documentation and | |
| 47 | 5/20/2023 | 44 | | Software Documentation: Internal Software Documentation and | |
| 48 | 5/23/2023 | 45 | | External Software Documentation | |
| 49 | 5/25/2023 | 46 | | Software Testing Overview: Goal of Software Testing Phase, | |
| 50 | 5/27/2023 | 47 | | Software Verification versus Software Validation and Testing Activities, | |
| 51 | 5/29/2023 | 48 | | Software Testing Approach: Black Box Testing Approach and White Box Testing Approach. | |
| 52 | 5/30/2023 | 49 | | Software Testing Approach: Black Box Testing Approach and White Box Testing Approach. | |
| 53 | 6/1/2023 | 50 | T4! | Software Testing Techniques: Unit Testing Technique, | |
| 54 | 5/3/2023 | 51 | | Integration Testing Technique and | |
| 55 | 5/5/2023 | 52 | | Integration Testing Technique and | |
| 56 | 5/6/2023 | 53 | | System Testing Technique. | |
| 57 | 5/8/2023 | 54 | | System Testing Technique. | |