Lesson Plan

April to June-2022

Name of the Assistant Professor- Dr. Rama Swami

Subject- Computer Science

| Month | B.Com CAV 4 th | BCA 6 th Sem | BA Computer | BCA 2 nd Sem |
|-------|---------------------------|-------------------------|-----------------------------|-------------------------|
| | Sem | Programming in | Science 2 nd Sem | Office |
| | Programming In | Java | Programming In | Automation |
| | java | | C | Tool |
| April | Basic Principles of | Basic Principles of | Overview of C: | Desktop |
| | Object Oriented | Object Oriented | History & | Publishing |
| | Programming, | Programming, | Importance of C, | Page Maker |
| | Introduction to | Introduction to | Structure of a C | Creating |
| | Java, History and | Java, History and | Program. Elements | Publication |
| | Features of Java, | Features of Java, | of C: C character | And |
| | Java Virtual | Java Virtual | set, identifiers and | Editing |
| | Machine (JVM), | Machine (JVM), | keywords, Data | Publication |
| | Java's Magic | Java's Magic | types, Constants | |
| | Bytecode; The Java | Bytecode; The Java | and Variables, | |
| | Runtime | Runtime | Assignment | |
| | Environment; Basic | Environment; Basic | statement, Symbolic | |
| | Language Elements: | Language Elements: | constant. | |
| | Lexical Tokens, | Lexical Tokens, | Input/output: | |
| | Identifiers, | Identifiers, | Unformatted & | |
| | Keywords, Literals, | Keywords, Literals, | formatted I/O | |
| | Comments, | Comments, | function, Input | |
| | Primitive Data | Primitive Data | functions (scanf(), | |
| | types, Operators, | types, Operators, | getch(), getche(), | |
| | Assignments; | Assignments; | getchar(), gets()), | |
| | Input/output in | Input/output in | output functions | |
| | Java: Basics, I/O | Java: Basics, I/O | (printf(), putch(), | |
| | Classes, Reading | Classes, Reading | putchar(), puts()). | |
| | Console Input, | Console Input, | | |
| | Control Structures | Control Structures | | |
| | in Java: Decision | in Java: Decision | | |
| | and Loop Control | and Loop Control | | |
| | Statements | Statements | | |
| May | Class and Object in | Class and Object in | Operators & | Word |
| | Java: Defining Class | Java: Defining Class | Expression: | Processing |
| | in Java, Creating | in Java, Creating | Arithmetic, | |
| | Objects of a Class, | Objects of a Class, | relational, logical, | |
| | Defining Methods, | Defining Methods, | bitwise, unary, | |
| | Argument Passing | Argument Passing | assignment, | |
| | Mechanism, Using | Mechanism, Using | conditional | |

| Class and Objects, | Class and Objects, | operators and | |
|-----------------------|-----------------------|---------------------|--|
| Constructors, | Constructors, | special operators. | |
| Nested Class, Inner | Nested Class, Inner | Arithmetic | |
| Class, Abstract | Class, Abstract | expressions, | |
| Class, Dealing with | Class, Dealing with | evaluation of | |
| Static Members; | Static Members; | arithmetic | |
| Array & String in | Array & String in | expression, type | |
| Java: Defining an | Java: Defining an | casting and | |
| Array, Initializing & | Array, Initializing & | conversion, | |
| Accessing Array, | Accessing Array, | operator hierarchy | |
| Multi – Dimensional | Multi – Dimensional | & associativity. | |
| Array, Defining | Array, Defining | Decision making & | |
| String, Operation on | String, Operation on | branching: Decision | |
| Array and String, | Array and String, | making with IF | |
| Creating Strings | Creating Strings | statement, IF-ELSE | |
| using String Class, | using String Class, | statement, Nested | |
| Creating Strings | Creating Strings | IF statement, ELSE- | |
| using StringBuffer | using StringBuffer | IF ladder, switch | |
| Class,; | Class,; | statement, goto | |
| Polymorphism in | Polymorphism in | statement. | |
| Java: Basic Concept, | Java: Basic Concept, | | |
| Types, Overriding | Types, Overriding | | |
| vs. Overloading, | vs. Overloading, | | |
| Implementation | Implementation | | |
| UNIT – III Extending | UNIT – III Extending | | |
| Classes and | Classes and | | |
| Inheritance in Java: | Inheritance in Java: | | |
| Benefits of | Benefits of | | |
| Inheritance, Types | Inheritance, Types | | |
| of Inheritance in | of Inheritance in | | |
| Java, Access | Java, Access | | |
| Attributes, | Attributes, | | |
| Inheriting Data | Inheriting Data | | |
| Members and | Members and | | |
| Methods, Role of | Methods, Role of | | |
| Constructors in | Constructors in | | |
| Inheritance, Use of | Inheritance, Use of | | |
| "super"; Packages & | "super"; Packages & | | |
| Interfaces: Basic | Interfaces: Basic | | |
| Concepts of | Concepts of | | |
| Package and | Package and | | |
| Interface, | Interface, | | |
| Organizing Classes | Organizing Classes | | |
| and Interfaces in | and Interfaces in | | |
| Packages, Defining | Packages, Defining | | |
| Package, Adding | Package, Adding | | |
| Classes from a | Classes from a | | |
| Package to Your | Package to Your | | |

| | Program. | Program. | | |
|------|----------------------|----------------------|-----------------------|--------------|
| | CLASSPATH Setting | CLASSPATH Setting | | |
| | for Packages, | for Packages, | | |
| | Import Package, | Import Package, | | |
| | Naming Convention | Naming Convention | | |
| | For Packages, | For Packages , | | |
| | Access Protection in | Access Protection in | | |
| | Packages, Standard | Packages, Standard | | |
| | Packages | Packages | | |
| June | Exception Handling | Exception Handling | Decision making & | Presentation |
| | in Java: The Idea | in Java: The Idea | looping: For, while, | using Power |
| | behind Exception, | behind Exception, | and do-while loop, | Point |
| | Types of Exception, | Types of Exception, | jumps in loops, | |
| | Use of try, catch, | Use of try, catch, | break, continue | |
| | finally, throw, | finally, throw, | statement. | |
| | throws in Exception | throws in Exception | Functions: | |
| | Handling, In-built | Handling, In-built | Definition, | |
| | and User Defined | and User Defined | prototype, passing | |
| | Exceptions, Checked | Exceptions, Checked | parameters, | |
| | and Un-Checked | and Un-Checked | recursion. UNIT-IV | |
| | Exceptions, | Exceptions, | Storage classes in C: | |
| | Catching more than | Catching more than | auto, extern, | |
| | one Exception; | one Exception; | register and static | |
| | Applet in Java: | Applet in Java: | storage class, their | |
| | Applet Basics, | Applet Basics, | scope, storage, & | |
| | Applet Architecture, | Applet Architecture, | lifetime. Arrays: | |
| | Applet Life Cycle, | Applet Life Cycle, | Definition, types, | |
| | Applet Tag, | Applet Tag, | initialization, | |
| | Parameters to | Parameters to | processing an array. | |
| | Applet, Embedding | Applet, Embedding | Structure and | |
| | Applets in Web | Applets in Web | Union. | |
| | page, Creating | page, Creating | | |
| | Simple Applets; GUI | Simple Applets; GUI | | |
| | Programming: | Programming: | | |
| | Designing Graphical | Designing Graphical | | |
| | User Interfaces in | User Interfaces in | | |
| | Java, Components | Java, Components | | |
| | and Containers, | and Containers, | | |
| | Using Containers, | Using Containers, | | |
| | Layout Managers, | Layout Managers, | | |
| | AWT Components, | AWT Components, | | |
| | AWT Classes, AWT | AWT Classes, AWT | | |
| | Controls, | Controls, | | |