## Lesson Plan

Name of Faculty        :        **Dr Vidhu Kiran, Assistant Professor**
CSE Discipline        :        **Computer Science and Engineering**
Semester        :        **4th (even)**
Subject        :        **JAVA Programming**
Lesson Plan Duration        :        **Feb- July, 2024**

**Work Load (Lecture/Practical) per week (in hours): Lectures-03hours**

| Week | Lecture Day | Theory — Topic (Including Assignment/Test) | Date | HOD | Director-Principal |
|------|-------------|--------------------------------------------|------|-----|--------------------|
| 1st | 1 | Machine language | | | |
| | 2 | Assembly language | | | |
| | 3 | High level language | | | |
| | 4 | Object, method, classes | | | |
| 2nd | 5 | Instantiation , reuse | | | |
| | 6 | Method and message calls | | | |
| | 7 | Data type and instance variable | | | |
| | 8 | Abstraction , encapsulation | | | |
| 3rd | 9 | Inheritance and polymorphism | | | |
| | 10 | Creating and running program | | | |
| | 11 | Main method, comments and identifiers , their rules | | | |
| | 12 | Packages , classes and method | | | |
| 4th | 13 | Anatomy of java program | | | |
| | 14 | Java tokens | | | |
| | 15 | Java operators | | | |
| | 16 | Java virtual machine | | | |
| 5th | 17 | Control statements | | | |
| | 18 | Looping statements | | | |
| | 19 | Jumping statements | | | |
| | 20 | Objects declaration , class declaration | | | |
| 6th | 21 | User Defined method , visibility control | | | |
| | 22 | Constructor and its types | | | |
| | 23 | Constructor overloading , method overloading | | | |
| | 24 | Method overriding | | | |
| 7th | | **1st Minor Test** | | | |
| 8th | 25 | Static member , abstract method and class | | | |
| | 26 | Inheritance , single inheritance | | | |
| | 27 | Multilevel inheritance , hybrid inheritance | | | |
| | 28 | Interfaces , packages | | | |
| 9th | 29 | Adding a class to package | | | |
| | 30 | GUI programming | | | |
| | 31 | Lines and rectangle | | | |
| | 32 | Circles and eclipse | | | |
| 10th | 33 | Java applets | | | |
| | 34 | Assignment 1 | | | |
| | 35 | Creating a thread , extending a thread | | | |
| | 36 | Run method | | | |
| 11th | 37 | Stop and blocking a class | | | |
| | 38 | Life cycles of thread | | | |
| | 39 | Thread method | | | |
| | 40 | Thread exception | | | |
| 12th | 41 | Thread priority | | | |
| | 42 | Types of error | | | |
| | 43 | Run time error | | | |
| | 44 | Try , catch | | | |
| 13th | 45 | Multiple catch | | | |
| | 46 | Finally statements | | | |
| | 47 | Throwing user Defined exceptions | | | |
| | 48 | Byte stream class | | | |
| 14th | | **2nd Minor Test** | | | |
| 15th | 49 | Character stream class | | | |
| | 50 | Creations of files. | | | |
| | 51 | Assignment 2nd | | | |
| | 52 | Problem and solutions | | | |