ECSE214L – OBJECT ORIENTED PROGRAMMING

Course Type- Core L-T-P Format 6-6-3 Credits- 5

We will be learning all the concepts of **Object Oriented Programming**. We will **Deep-Dive** the **Internal Mechanism of Java**, how it works and well as its **Memory Management**. We will not be doing much questions but **41 Easy Questions.**

COURSE-SPECIFIC LEARNING OUTCOMES

CO1: It will help us to understand the internal world of programming.
CO2: Recursion and Methods questions help us doing more Easy Questions in alternate manner.

DETAILED SYLLABUS

Module 1 (W1, W2, W3, W4) Introduction to Programming Paradigms, Introduction to Object Oriented Programming, Object and Classes, Constructors, Wrapper Classes.

Module 2 (W5, W8, W9, W10, W11, W12) Packages, Variables Advanced, Methods Advanced, Principles of Object Oriented Programming.

Module 3 (W17, W18, W19, W20, W21, W22, W23, W24) Access Control, Abstract Classes, Interfaces, Generics and Exception Handling.

STUDIO WORK / LABORATORY EXPERIMENTS

Module 1 (W1, W2, W3, W4) Recursion(12).

Module 2 (W5, W6, W7, W8) Recursion(15).

Module 3 (W11, W12, W13, W14, W15, W16, W17) Methods Advanced(14).

EXAMINATIONS

Mid-Term and Syllabus (W6, W7) Module-1, Module-2.

End-Term and Syllabus (W13, W14, W15, W16) Complete Syllabus.