

CORE COURSE XIII - OBJECT ORIENTED SYSTEMS TECHNOLOGY

UNIT-I

Structured approach to system construction : SSADM/SADT - An overview of object oriented systems development & Life cycle

UNIT-II

Various object oriented methodologies – Introduction to UML

UNIT-III

Object oriented analysis – Use cases- Object classification, relationships, attributes, methods

UNIT-IV

Object oriented design – Design axioms – Designing classes – Layering the software design :- data access layer, User interface layer, Control/business logic layer

UNIT-V

UML - Examples on : Behavioral models – Structural models – Architectural models from real world problems.

TEXT BOOK:

1. **Bahrami Ali**, Object oriented systems development, Irwin McGrawHill, 2005 (First 4 units covered here).
2. **Booch Grady, Rumbaugh James, Jacobson Ivar**, The Unified modeling language – User Guide, Pearson education, 2006 (ISBN 81-7758-372-7) (UNIT -5 covered here).