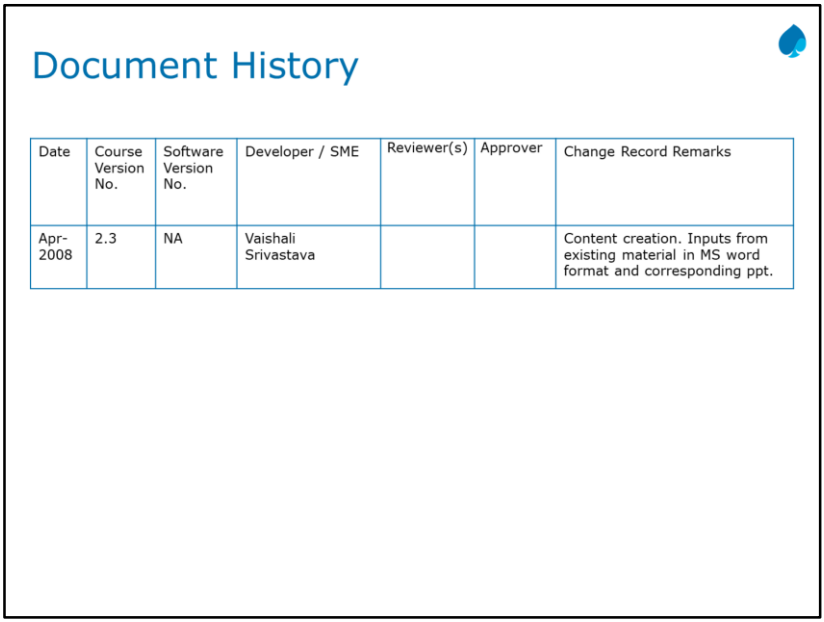
Document History

Date	Course Version No.	Software Version No.	Developer / SME	Reviewer(s)	Approver	Change Record Remarks
Oct-2008	0.1	NA	Shrilata Tavargeri			Content creation. Inputs from existing material in MS word format and corresponding ppt.
Nov-2008	0.2	NA	Veena Deshpande / Rashmi Bharti			Review
Dec-2008	0.3	NA	CLS team			Review
Jan-2009	1.0	NA	Nilendra Nagwekar			Review
Jul-2009	2.0	NA	Shrilata Tavargeri			Content revamp. Inputs from review team.
May-2011	2.1	NA	Veena Deshpande			Refinements to include contents from WBT slides and review comments of Integration Exercise
Apr-2015	2.2	NA	Kavita Arora	Anjulata	Mahima Sharma	Made changes according to revised TOC



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Apr-2008	2.3	NA	Vaishali Srivastava			Content creation. Inputs from existing material in MS word format and corresponding ppt.

Course Goals and Non Goals

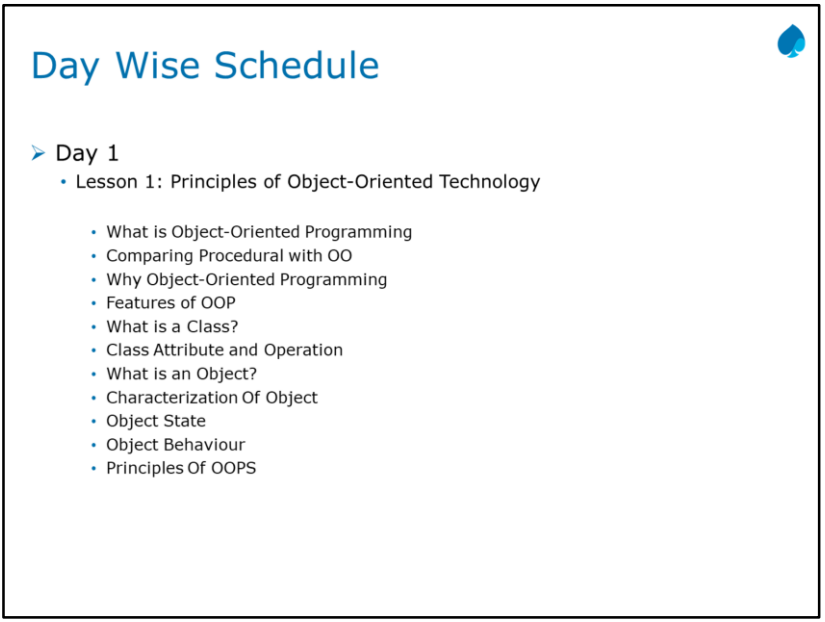
- Course Goals
  - At the end of this program, participants will gain an understanding of:
    - Principles of Object-Oriented technology
    - Concepts and terminology associated with Object-Oriented technology
- Course Non Goals
  - This program does not attempt:
    - To explain features of OOP using sample code, or
    - To go into technology specific details.

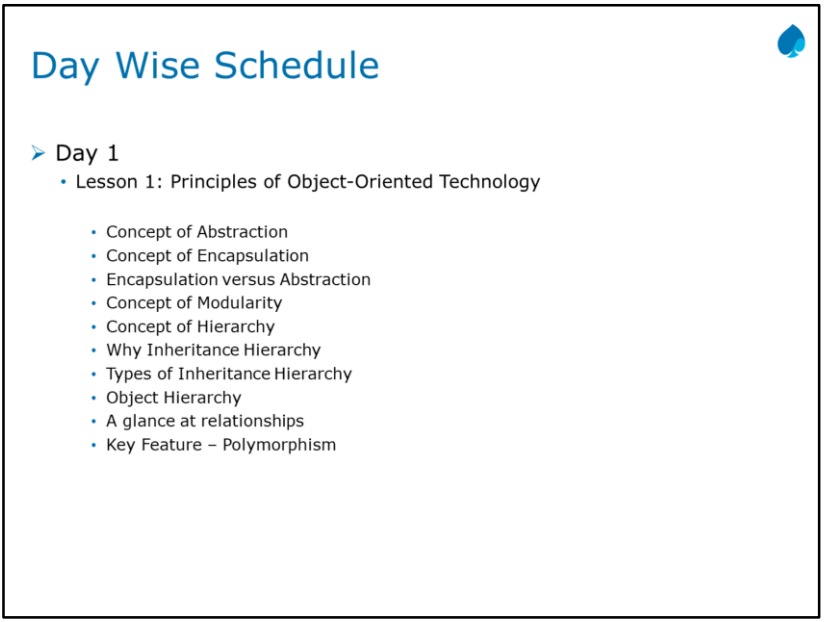
Pre-requisites

- Fair Knowledge of any programming language

Intended Audience

- Developers in Object-Oriented technology


Day Wise Schedule
Day 1
Lesson 1: Principles of Object-Oriented Technology
What is Object-Oriented Programming
Comparing Procedural with OO
Why Object-Oriented Programming
Features of OOP
What is a Class?
Class Attribute and Operation
What is an Object?
Characterization Of Object
Object State
Object Behaviour
Principles Of OOPS


Day Wise Schedule
Day 1
Lesson 1: Principles of Object-Oriented Technology
Concept of Abstraction
Concept of Encapsulation
Encapsulation versus Abstraction
Concept of Modularity
Concept of Hierarchy
Why Inheritance Hierarchy
Types of Inheritance Hierarchy
Object Hierarchy
A glance at relationships
Key Feature – Polymorphism

References

- Books:
  - Sams Teach Yourself Object Oriented Programming in 21 Days; by Anthony Sintes (Sams Publishing)
  - Object-Oriented Software Construction; by Bertrand Meyer, (Prentice-Hall)
  - The Object-Oriented Thought Process; by Matt Weisfeld (Sams Publishing)

- Websites:
  - http://java.sun.com
  - http://gd.tuwien.ac.at/languages/c/c++oop-pmueller

Next Step Courses

- Programming with Object Oriented languages