

# Learn Object Oriented Design Patterns from the masters



Course Duration: **30 hours (weekends only)**

Course Level: **Expert**

Pre-requisites: **Any OOP Language with min. 5 years experience**

Qualification required: **Any technical degree**

Entrance Test: **None**

Fees	Instalments	Laptop %	Instant %	Final Fees

**ENVISION**<sup>™</sup>  
Computer Training Institute  
An ISO 9001:2008 Certified Company

## Syllabus

- **Introduction:** Induction for OO Concepts, Code Evaluation, early and lazy evaluation, OOAD – UML notations (Class Diagram and Class level relationships)
- **Creational Patterns:** Singleton, Factory Method, Prototype, Abstract factory, Builder Pattern, etc.
- **Behavioral Patterns:** Template Method, Observer Pattern, Memento, Strategy, Visitor Pattern, Null Object, Chain of responsibility. etc
- **Structure Patterns:** Adapter, Composite, Decorator, Proxy, Bridge, Façade, etc. Intent, Motivation, advantages and disadvantages of each design pattern, real life analogy for each pattern.
- **Difference between Patterns:** Usage of Patterns according to intent, who you gonna call? Related Patterns, etc.
- **Anti-Patterns and Re-factoring:** Code smell, Spaghetti code, feature envy, lazy class, Extract method, etc.
- **Design Principles:** SOLID design principles (SRP, OCP, LSP, ISP, DIP) and GRASP (General Responsibility Assignment Software Patterns)
- **Pattern hatching:** Tools used in Software Industry, Code and UML generation, Static code analysis, examples in standard Frameworks, etc.
- **Test your Skills:** Identify by the intent, reading the UML, etc.

### **Bibwewadi**

1<sup>st</sup> Floor, "Yasho-Parva",  
Sant Eknath Nagar - I, Bibwewadi,  
Pune - 411 037

### **Nal Stop**

3rd Floor, "Upendra - 1",  
Next to Hotel Nisarg, Erandwane,  
Nal Stop, Pune - 411 004

### **Nigdi**

3rd Floor, "Utkarsh", Sector 24,  
Near Lokmanya Hospital, Pradhikaran,  
Nigdi, Pune - 411 044

Call: 020-24219214 / 8485812611

Call: 7720000411 / 7720000419

Call: 7447759598

# Post with #AskECTI to ask any of your doubts on Facebook

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 www.ecti.co.in



## About Envision Computer Training Institute (ECTI)

Established in 1999, ECTI has been effectively substantiating the ever rising needs of technical training in the social and business scenario. The institute is successfully paving its way through the fields of Programming and Engineering, acting as a full proof educational facilitator thus consistently delivering the demand of industry ready professionals.

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## Courses

### Alias Concept Modeling

### Job Guaranteed Courses

- ▶ Diploma in Graphics & Semantic Web Designing
- ▶ Diploma in Android Apps Development
- ▶ Diploma in Architectural Design
- ▶ Diploma in Engineering Design
- ▶ Diploma in MEP Design
- ▶ Diploma in PHP Apps Development
- ▶ Diploma in .NET Apps Development

### Civil CAD

- ▶ Trimble SketchUp Pro
- ▶ Revit<sup>®</sup> Architecture
- ▶ 3ds Max
- ▶ AutoCAD<sup>®</sup>

### Programming Languages

- ▶ Android
- ▶ JAVA
- ▶ .NET
- ▶ WCF, WPF, MVC
- ▶ PHP / MySQL
- ▶ C, C++, DS

### Electrical & Mechanical CAD

- ▶ CATIA
- ▶ Siemens NX
- ▶ Electrical Wiring Harness
- ▶ AutoCAD<sup>®</sup> Electrical
- ▶ Revit<sup>®</sup> MEP
- ▶ AutoCAD<sup>®</sup> MEP
- ▶ MEP Design Theory

## Our students placed in



## Why ECTI?



Placement or Money Back



Cost Effective



Industry Experts Lectures



FREE Soft Skills Training



Mock Interviews by HR



Most Updated Syllabus

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