



Sandip Foundation's
Sandip Institute of Technology and Research Centre, Nashik
Department of Computer Engineering

Value Added Program
on
“Agile Software Development Methodology”
(Object Oriented Modeling and Design)
(12th – 16th Sept 2017)

Organized by
Department of Computer
Engineering



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**Value Added Program
on
“Agile Software Development Methodology”
(Object Oriented Modeling and Design)**

Name of Resource Person : Mr. Prashant Pund
(AgileSoft Methodologies, Pune)

Date : 12th – 16th Sept 2017

Duration of Course : 30 Hrs

Class : BE Computer

Venue : “A” Building, Computer Dept., SITRC

Aim :

The aim of this lectures is to illustrate the requirements of a software environment for object-oriented modeling of physical systems and to show how these requirements can be met in practice.

Objective :

- Describe the three pillars of object-orientation and explain the benefits of each.
- Create the use case documents that capture requirements for software system.
- Create class diagrams that model both the domain model and design model of a software system.
- Create interaction diagrams that model the dynamic aspects of a software system.
- Explain the facets of the Unified Process approach to designing and building a software system.
- Describe how design patterns facilitate development and list several of the most popular patterns.

Outcomes :

- The knowledge of the basic concept of object Oriented modeling and design.
- To increased the consistency among the models developed during object-oriented analysis, design and programming.

- Learn the use of object-oriented design and tools such as UML for modeling problem solutions and complex system.

No. of Participants : 85

Course Contents :

Sr. No.	Contents	Duration
1.	Introduction to OOMD	5 Hrs
1.1	Problems and Issues with Traditional Techniques	
1.2	The Rise of Object oriented languages	
1.3	Analysis versus Design	
1.4	Modeling and Abstraction	
1.5	Introduction to Java	
2.	Thinking in Object	5 Hrs
2.1	What is objects, Classes	
2.2	The Three Pillars of Object Orientation	
2.3	Object Oriented Programming Languages	
2.4	Benefits of Object Orientation	
3.	Introduction to OO Analysis and Design	5 Hrs
3.1	The Role of UML	
3.2	The Importance of a Process	
3.3	The Unified Process Overview	
4.	Introduction to the UML History	5 Hrs
4.1	UML Diagram Overview	
5.	Writing Use Cases	
5.1	What is a Use Case?	5 Hrs
5.2	Properties of a Good Use Case	
5.3	What is an Actor?	
5.4	Use Case Document Formats	
6.	Classes and Relationships	
6.1	State and Behavior	5 Hrs
6.2	Encapsulation	

List of Participants :

Sr. No.	Name	Sr. No.	Name
1	Priyanka Vasudev Mahale	44	Suraj Yadav
2	Gaurav Rajendra Chaudhary	45	Pankaj Mali
3	Ketan Vinayak Patil	46	Murtuza Kanchwala
4	Bhushan Rajendra Patil	47	Mayank Mehata
5	Bhakti Vyawahare	48	Surucha Deore
6	Hiren Chattrola	49	Krishnkant Yadav
7	Pooja Mahajan	50	Poorvin Desai
8	Kaushal Joshi	51	Pooja Chhatrola
9	Prathamesh Shirude	52	Priyanka Wagh
10	Vaibhav Kanade	53	Sonali Shirudkar
11	Dipali Gaikwad	54	Poonam Alai
12	Jyoti Mhaske	55	Aishwarya Hirve
13	Akshata Tikode	56	Shital Varpe
14	Asmita Kanojia	57	Abhishek Patil
15	Nisha Kapse	58	Prashant Mahale
16	Mahalaxmi Bhandari	59	Mayur Jadhav
17	Manorama Ahire	60	Gayatri Deshmukh
18	Sandesh Nikam	61	Ketana Bhamare
19	Atul More	62	Roshni Sonawane
20	Sachin Hire	63	Rohan Pagar
21	Shubham Patil	64	Bhakti Kulkarni
22	Harshda Patil	65	Nilam Adke
23	Yogita Mahajan	66	Kunal Sonawane
24	Kanchan Kaloge	67	Albana Mirza
25	Madhuri Hivrle	68	Vishakha Khalane
26	Pallavi Sonawane	69	Devyani Sadavarte
27	Poonam Patil	70	Mrunali Patil

28	Sonali Mulane	71	Apporva Nagare
29	Prachi Patil	72	Sameer Shaikh
30	Anuja Makasare	73	Pooja Nerkar
31	Romesh Sonar	74	Nikita Kothawade
32	Rushi Desai	75	Snehal Yadav
33	Shraddha Deshmukh	76	Umita Dhake
34	Eeshha Sharma	77	Pooja Gite
35	Pallavi Pawar	78	Priyanka Dhattrak
36	Pooja Patil	79	Mayuri Shinde
37	Mrunal Ahire	80	Utkarsha Patil
38	Jayesh Pawar	81	Soniya Patel
39	Mandar Shinde	82	Akash Joshi
40	Kajal Borase	83	Pranali Nikumbh
41	Yogita Porje	84	Rutuja Patil
42	Almas Shaikh	85	Jaya Avhad
43	Majhar Shaikh		

Photographs :





Prof. P. J. Bhisikar
(Coordinator)

Prof. (Dr.) A. D. Potgantwar
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