

SANKHYA Training  
Brochure

2013 - 2014

**Sankhya Technologies Private Limited**

[www.sankhya.com](http://www.sankhya.com)

## About SANKHYA Technologies

Founded in 1996, Sankhya Technologies has been at the forefront of R&D into the creation of model driven automation platforms that empower design teams to efficiently create the next generation of software and hardware systems through agile system development methods.

Sankhya is continuing to work on next generation design languages and platforms that enable global system level optimization for complex electronic embedded devices, leading to lower cost devices thereby taking the benefits of technology to rural and value conscious urban markets.

Our customers represent a broad range of industries including automotive, electronics, consumer electronics, big data, aerospace and defence electronics and manufacturing. Sankhya Software received several awards and recognitions including the prestigious Lockheed Martin India Innovation Award during the year 2008. Sankhya Technologies is a privately held company with development centres in Chennai and Visakhapatnam, India.

## EdVantage – School of Embedded Design

EdVantage is a division of Sankhya Technologies Private Limited.

EdVantage offers specialized education solutions for teaching and learning embedded system level design. It also offers specialized corporate training programs in the areas of distributed computing and Fault Tolerance.

EdVantage has conducted workshops and/or contributed to the syllabus for prestigious institutions like the JNTU Hyderabad and National Institute of Design, Bangalore. Client list includes prestigious organizations like CDAC, Bharat Electronics Limited and Wipro.

For more information: [http://www.sankhya.com/info/solutions/ed\\_sltdsd.html](http://www.sankhya.com/info/solutions/ed_sltdsd.html)

## Overview - System Design Automation

Technology developments over the last two decades have fundamentally changed the way some of the leading companies build solutions today. System Level Design or sometimes referred to as Electronic System Level Design is fast becoming the standard for building the next generation of embedded systems for markets ranging from consumer electronics, automotive electronics to defence electronics.

The focus is fast shifting from creating a working system from working components, wherein each component has been optimized for a general purpose use to creating a globally optimized solution that delivers more functionality at lower power consumption and therefore using less number of "gates" at lower frequencies for specific end user applications like a feature rich mobile phone.

Imparting professionals and corporate development teams the required cross functional skill sets to ensure they are ready to join the industry to build end user solutions using system design methodology is a fast emerging trend in high-tech education.

## Introduction to Embedded System Level Design with SANKHYA Teraptor

System level design encompasses all aspects of a system including the hardware and software.

System level design enables the creation of a globally optimized solution meeting product specifications through the application of an architectural approach to design.

Teraptor ESK bundles essential components and tutorials for learning embedded system level design.

For more information: [System Level Design](#)

[Click here to view the video](#)

## Introduction to CORBA® using SANKHYA Varadhi

This training module provides a comprehensive introduction to CORBA using SANKHYA Varadhi.

### Prerequisites

- Exposure to object-oriented concepts
- Knowledge of C/C++ programming

The training module builds on your existing C++ programming knowledge and using a step-by-step process, introduces the concepts of distributed computing and CORBA.

For more information: [CORBA Introduction](#)

## CORBA® Application Development using SANKHYA Varadhi

This training module is focused on developers who want to develop non-trivial CORBA based distributed applications. Using real-life examples, the session provides a quick and effective way to understand and implement applications using various Common Object Services.

### Prerequisite

- Familiarity with simple CORBA programming using an object-oriented language like C++ or Java.

For more information : [CORBA Development](#)

## Introduction to Web Services

This module provides software developers and architects a basic to intermediate level training on the technologies used in Web Services. The course also provides a practical insight into Web Services application development and deployment.

### Prerequisites

- Basic knowledge of C++ or Java
- Basic knowledge of HTML

For more information : [Web Services](#)

## UML® - Introduction

This training module is intended for students and developers who want to get an overview of UML.

### Prerequisite

- Familiarity with object-oriented programming using C++ or Java.

For more information : [UML Introduction](#)

## Agile System Development with Models

Complex embedded systems are often developed by large teams spread across multiple locations around the globe. The range of roles and skill sets required to create such complex systems often spans multiple functions and disciplines. Roles include architects, designers, developers and test engineers.

Often team members work on hardware, software and domain specific control design. Examples of domains include automotive, consumer electronics, aerospace, networking, high performance computing and storage.

Agile development using architectural models results in the creation of more effective globally optimized systems that are delivered to the market ahead of the competition.

Hierarchical modeling supported by system design automation platforms helps hardware designers, software developers and domain experts create complex systems quickly using a shared model of the system under development.

For more information: [Agile System Development with Models](#)

**SANKHYA Seminars**

Prepare your management for planning your IT strategy by scheduling a 2-hour SANKHYA Seminar on topics like

- Trends in web technologies
- Large scale distributed computing
- Fault tolerance in distributed systems

Ramp up your engineering team over a 3-5 day technical training program.

**Contact Information**

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