



# DevOps



**KK NAGAR** : No:10, PT Rajan Salai, KK Nagar, Chennai-600078  
**OMR** : No 92, Rajiv Gandhi Salai (OMR), Navalur, adj. to AGS Cinemas, Chennai-600130

**Website:** [www.slainstitute.com](http://www.slainstitute.com) | [www.softlogicsys.in](http://www.softlogicsys.in) | [www.slajobs.com](http://www.slajobs.com)

**Mob:** +91 88707 67784 | +91 8608 700340 | +91 8681 884318

SLA is one of its kind Training cum Placement Company servicing 30+ countries, empanelling 100+ IT experienced mentors, doing 70+ trending technology training programs with more than 350+ IT MNC hiring partners.

### SLA services

- **Individuals who are new to IT Industry to upskill and get placed in IT companies.**
- **IT professionals who want to upgrade technological skills to get qualified for the next salary hike and professional growth.**
- **Corporate Technology Training needs**

As a value addition, SLA, not only equip individuals in Technology skills but also offers free training in Aptitude, Interview skills and Basic Coding skills for anyone to successfully land in IT Industry. Training is given by IT experienced mentors who enable the individuals to do their **own Real Time Projects** by the end of the Program thereby giving **Hands-on training services**.

SLA doesn't involve in any backdoor job process for placement support instead support our fellow students with genuine end to end placement support through unlimited interviews with our IT hiring partners.

If you want to just have an IT certification, you can do your course anywhere. If you aspire to get into an IT Job or upgrade skills and settle in a better IT Job, then you should choose SLA. With SLA, you get life long free placement support and your IT dream career will come into reality for sure.

Please go through the long list of our student reviews / offer letters / testimonials @ [www.joinsla.com](http://www.joinsla.com) to get to know more about us.



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# DEVOPS COURSE SYLLABUS

## LINUX Basic and Admin

- Linux OS Introduction
- Importance of Linux in DevOps
- Linux Basic Command Utilities
- Linux Administration
- Environment Variables
- Networking
- Linux Server Installation
- RPM and YUM Installation

## Continuous Integration – Jenkins

- Introduction to Jenkins
- Continuous Integration with Jenkins
- Configure Jenkins
- Jenkins Management
- Scheduling build Jobs
- POLL SCM
- Build Periodically
- Maven Build Scripts
- Support for the GIT version control System
- Different types of Jenkins Jobs
- Jenkins Build Pipe Line



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- Parent and Child Builds
- Sequential Builds
- Jenkins Master & Slave Node Configuration
- Jenkins Workspace Management
- Securing Jenkins
- Authentication
- Authorization
- Confidentiality
- Creating Users
- Jenkins Plugins
- Installing Jenkins Plugins
- SCM plugin
- Build and test

### Version Control-GIT

- GIT Features
- 3-Tree Architecture
- GIT – Clone /Commit / Push
- GIT Hub Projects
- GIT Hub Management
- GIT Rebase & Merge
- GIT Stash, Reset, Checkout
- GIT Clone, Fetch, Pull



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## Build tool- Maven

- Maven Installation
- Maven Build requirements
- Maven POM Builds (pom.xml)
- Maven Build Life Cycle
- Maven Local Repository (.m2)
- Maven Global Repository
- Group ID, Artifact ID, Snapshot
- Maven Dependencies
- Maven Plugins

## ANSIBLE

- Introduction to Ansible
- Ansible Server Configuration
- Infrastructure Management
- SSH Connection in Ansible Master
- YAML Scripts
- Host Inventory
- Hosts and Groups
- Host Variables
- Group Variables
- Host and Group Specific Data
- Ad-hoc Commands
- Playbooks
- Variables



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- Conditionals
- Loops
- Blocks
- Handlers
- Templates
- Modules
- Core Modules
- Extra Modules
- Ansible Roles

## Docker

- How to get Docker Image?
- What is Docker Image
- Docker Installation
- Working with Docker Containers
- What is Container
- Docker Engine
- Crating Containers with an Image
- Working with Images
- Docker Command Line Interphase
- Docker Compose
- Docker Hub
- Docker Trusted Registry
- Docker swarm
- Docker attach
- Docker File & Commands



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