**Level I** **[Basic]**

**Course Modules :**

* Modern Software methodologies
* What organizations expects from an Engineer?
* Release Engineering
* Unix Essentials
* Unix/Linux internals
* Shell
* Shell scripting
* Introduction to Perl scripting
* Hands on Projects

**Level II [Intern program]**

**Course Modules :**

* Modern Software methodologies
* Release Engineering
* SCM - Software configuration management
  + Why SCM
  + SCM Methodologies
  + SCM Roles & Responsibilities
  + SVN
  + Intern Project
* Build management
  + Build process & methodologies
  + Build Roles & Responsibilities
  + Ant
  + Maven
  + Intern Project
* Release management
  + Bug tracking methodologies ( Jira, Bugzilla )
  + Collaboration & Teamwork
  + Release process & methodologies
  + Release Roles & Responsibilities
* Continuous Integration
  + CI methodologies
  + Hudson/Jenkins
  + Intern project
* How to's
* Discussions
* Live project

**Level III**  **[Professional] Build & Release**

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| **Sl no** | **Modules** | **Course Requirement** |
| 1 | **SCM :**   * SVN * Git (preferred) | **Any one tool** |
| 2 | **Build Management :**   * Ant * Maven (preferred) * Makefile | **Any one tool** |
| 3 | **CI :**   * Hudson/Jenkins | **Any one tool** |
| 4 | **Static Code analysis :**   * Sonar for Java & .Net | Add On |
| 5 | **Binary Repository Manager :**   * Nexus * Artifactory | Add On |
| 6 | **Web/Application Server :**   * Tomcat * Jboss * Websphere | Add On |
| 7 | **Database :**   * Mysql * MongoDB | Add On |

**Level IV**  **[Advanced] DevOps**

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| **Sl no** | **Modules** | **Course Requirement** |
| 1 | **Configuration Management :**   * Chef (Preferred) * Puppet | **Any one tool** |
| 2 | **Infrastructure Monitoring:**   * Nagios (Preferred) * Serf * Mmonit * Zenoss | **Any one tool** |
| 3 | **Automation/Scripting :**   * Perl (Preferred) * Python * Ruby | **Any one tool** |
| 4 | **SCM :**   * Git | **Mandatory** |
| 5 | **Continuous Integration :**   * Jenkins | **Mandatory** |
| 6 | **Provisioning :**   * Vagrant | Add On |
| 7 | **Containerization :**   * Docker * Packer | Add On |
| 8 | **Cloud Computing :**   * AWS | Add On |
| 9 | **Deployment Automation :**   * Rundeck | Add On |
| 10 | **Storage & distributed search engine :**   * Elasticsearch | Add On |
| 11 | **Log process & data visualization :**   * Logstash * Kibana | Add On |

**Class Timings :**

\* Weekdays : 1.5hrs/day

\* Weekends : 2hrs/day

Level I duration : 12 hrs

Level II duration : 12 hrs

Level IIII duration : 20 hrs

Level IV duration : 30 hrs

Level III & Level IV focuses majorly on the tools, whereas fundamentals, Release methodologies, best practices would also be taught as a default module in addition to the tools