**Tools Matrix:**

|  |  |  |
| --- | --- | --- |
| **Sl no** | **Modules** | **Course Requirement** |
| 1 | **Scripting :**   * **Shell scripting** * [Fundamentals of **Perl Programming**](https://alison.com/courses/Perl-Programming) * Advanced Perl Programming * **Python programming** * **Ruby** on Rails |  |
| 2 | **DevOps :**   * **Chef/Puppet** for Configuration Management. * **Docker/Packer** for Containerization * **Vagrant** for Provisioning * **AWS**  for Cloud computing * **Jenkins** for Automated Installation and Deployment. * **Nagios** for Infra-Monitoring * **Rundeck** for Deployment Automation * **Elasticsearch** for storage & distributed search engine * **Kibana** for data visualization * **logstash** to process & transport logs * **Serf** for Service orchestration and management tool |  |
| 3 | **SCM :**   * SVN * Git * Clearcase * Perforce |  |
| 4 | **Build Management :**   * Ant * Maven * Makefile * Msbuild |  |
| 5 | **CI :**   * Hudson/Jenkins |  |
| 6 | **Static Code analysis :**   * Sonar for Java & .Net |  |
| 7 | **Binary Repository Manager :**   * Nexus * Artifactory |  |
| 8 | **Web/Application Server :**   * Tomcat * GlassFish * Jboss * Websphere |  |
| 9 | **Infrastructure Monitoring :**   * Nagios * Mmonit |  |
| 10 | **Database :**   * Mysql * MongoDB |  |