|  |  |  |
| --- | --- | --- |
| **DevOps Course contents** | | |
|  | **Modules** | **Category** |
| **1** | **Theory** |  |
|  | * What is DevOps |  |
|  | * Cloud Technologies |  |
|  | * Agile Methodology |  |
|  |  |  |
| **2** | **Linux** | **Operating system** |
|  | * Linux File system structure |  |
|  | * Basic Linux commands |  |
|  | * Package Management |  |
|  | * Process Management |  |
|  | * Service Management |  |
|  | * Miscellaneous |  |
|  |  |  |
| **3** | **Docker** | **Containers** |
|  | * Containers vs Virtualization |  |
|  | * Docker Architecture |  |
|  | * Installation & Basic Commands |  |
|  | * Docker Images & DOCKER FILE |  |
|  | * Docker Networking & Docker Volumes | |
|  | * Docker Compose |  |
|  |  |  |
| **4** | **Jenkins** | **CICD** |
|  | * Continuous integration |  |
|  | * Jenkins Architecture |  |
|  | * Installation & Arictecture |  |
|  | * Creating jobs & exploring dashboard options | |
|  | * Deployments & Plugins |  |
|  |  |  |
| **5** | **Ruby** | **Scripting** |
|  | * Scripting basics |  |
|  | * OOPS |  |
|  | * Data types: Strings, Arrays, Hashes..etc | |
|  | * Variables, Methods |  |
|  | * Classes, Objects, Modules |  |
|  | * Iterators |  |
|  | * JSON, Net::HTTP modules |  |
|  | * GIT operations | **Version control** |
|  |  |  |
| **6** | **Ansible** | **Configuration Management tools** |
|  | * Configuration management tools – Why Ansible | |
|  | * Introduction to Ansible |  |
|  | * Architecture |  |
|  | * Modules, Inventory, Tower, Playbooks, YAML, Role etc. | |
|  | * Insights of Ad-hoc commands, Modules & Playbooks | |
|  |  |  |
| **7** | **Grafana** | **Monitoring** |
|  | * Introduction to monitoring |  |
|  | * Grafana & Influx DB usage |  |
|  | * Monitrong the logs |  |
|  |  |  |
| **8** | **Together all** |  |
|  | * Deploying Webserver using above mentioned tools | |
|  |  |  |