Docker(1 Week):

1. Containerization Preview
2. Namespaces
3. Docker
4. Docker Architecture
5. Container Lifecycle
6. Docker CLI
7. Port Binding
8. Detached and Foreground Mode
9. Dockerfile
10. Dockerfile Instructions
11. Docker Image
12. Docker Registry
13. Container Storage
14. Volumes
15. Docker Compose
16. Docker Swarm

Kubernetes(3 Weeks):

1. Cluster setup using kubeadm
2. Pods
3. Replicas
4. Deployment
5. Namespace
6. Contexts
7. Deamonsets
8. Cjobs
9. Configmaps
10. Services
11. Labels and Selectors
12. Storage
13. Persistence Volume and Persistence volume claim
14. Networking
15. Rolling updates and rolebacks
16. Scaling
17. Secrets
18. Roles,RoleBinding, ClusterRole, ClusterRoleBinding(RBAC)

19. NFS & Dynamic NFS Provisioning
20. Stateful set
21. Helm 2 packaging
22. Helm 3 packaging
23. Helm 2 vs Hem 3 difference
24. ISTIO(service mesh)
25. Ingress Load balancer(NGINX,TRAEFIK,METALLB LoadBalancer)
26. Cluster IP, Nodeport, Loadbalancer , Headless service
27. TLS
28. Troubleshooting
29. Cluster Maintenance
30. Openshift Introduction
31. Openshift architecture and security policies with RBAC
32. Sample deployments

Live project on DevOpps:

1. Deployment of Java App / Python app
2. Deployment of Database(sql and no sql(redis))
3. Deployment of logging applications(ELK(elasticsearch,logstash,kibana)/EFK(elasticsearch,fluentd ,kibana))
4. Deploment of prometheus and Grafana
5. Deployment of Kafka
6. Deployment of Load balancer(NGINX,TRAEFIK,METALLB LoadBalancer) and loadbalancing with Elk, prometheus, Grafana
7. Deployment of Jenkins
8. Deployment using Ansible
9. Deployment using Terraform
10. Deploy all applications to AWS