

INT334:ENTERPRISE APPLICATION AUTOMATION

L:2 T:0 P:2 Credits:3

Course Outcomes: Through this course students should be able to

CO1 :: Understand the fundamentals of containerization and Kubernetes.

CO2 :: Visualize best practices for managing and maintaining deployments in production environment.

CO3 :: Analyze the centralized management of logs across the Kubernetes infrastructure.

Unit I

Introduction to Kubernetes : Containerization, Tools for Containerization, Kubernetes Overview, Kubernetes Concept, Use of Kubernetes, Kubernetes Master-Slave Architecture.

Unit II

Deployment of Kubernetes : Installing Kubernetes, Steps for Kubernetes Master, Steps for Kubernetes Slave, Kubectl Commands.

References:

1. KUBERNETES - A COMPLETE DEVOPS COOKBOOK by MURAT KARSLIOGLU, PACKT PUBLISHING
2. SPLUNK 7 ESSENTIALS by J-P CONTRERAS, ERICKSON DELGADO, ET AL, PACKT PUBLISHING