**Spring Boot Monitoring using Prometheus and Grafana**

1. **Introduction**

(Brief intro about application monitoring and benefits of monitoring the spring boot application deployed as microservices in containers, kubernetes and cloud native applications)

1. **Limitations on Spring Boot Actuator**

(Give some contents that illustrate the limitations of actuators in spring boot)

1. **Overview on Prometheus**

(Short notes on Prometheus introduction, features and benefits)

1. **Prometheus Installation and Configuration**

(Installation procedure on both direct PC and docker )

Discuss something related to configuration file (Prometheus.yml)

1. **Building Spring Boot Application with Prometheus**

(Procedure to create a spring boot application, adding dependencies (explain why we are adding actuator dependency), providing configuration properties in application.properties file)

1. **Collecting and exploring metrics using Prometheus Server**

(Give a brief about how to collect the metrics and querying the metrics in Prometheus (http://localhost:9090)

1. **Grafana Overview, Installation and Configuration**

(Give a brief about the installation Procedure on both direct PC and docker, give something related to configurations such as Plugins, Adding Datasources, Creating New Dashboards with Visualization panels and Creating Alerting rule with contact points)

1. **Explore the Dashboard in Grafana for Spring Boot application**

(Give the screens of Dashboards and some points to discuss about the dashboards in Grafana)