# 

# Technical Seminar Report

# 18MCA62

# on

# “Building An Application Using Spring Boot Framework”

# Submitted by

# Chaitra B V

# 1RV19MCA21

# Under the Guidance

# of

# Dr. S Anupama Kumar

# Associate Professor

# Department of MCA

# RV College of Engineering®

# Bengaluru-59

# *Submitted in partial fulfillment of the requirements for the award of degree*

# *of*

# MASTER OF COMPUTER APPLICATIONS

# 2022

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**CERTIFICATE**

Certified that the seminar titled “Build An Application Using Spring Boot Framework” carried out by Chaitra B V, USN: 1RV19MCA21, a bonafide student of RV College of Engineering®, Bengaluru submitted in partial fulfillment for the award of Master of Computer Applications of RV College of Engineering®, Bengaluru affiliated to Visvesvaraya Technological University, Belagavi during the year 2022. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The report has been approved as it satisfies the academic requirement in respect of the technical seminar prescribed for the said degree.

| **Dr. S Anupama Kumar**  Associate Professor  Department of MCA  RVCE, Bengaluru –59 |  | **Dr. Andhe Dharani**  Professor and Director  Department of MCA  RVCE, Bengaluru–59 |
| --- | --- | --- |

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**DECLARATION**

I, **Chaitra B V**, student of Sixth Semester MCA, **Department of Master of Computer Applications,** RV College of Engineering®, Bengaluru declare that the Seminar titled **“Build An Application Using Spring Boot Framework”** has been carried out by me. It has been submitted in partial fulfillment of the course requirements of Seminar-II 18MCA62 for the award of degree in **Master of Computer Applications** of RV College of Engineering®, Bengaluru affiliated to Visvesvaraya Technological University, Belagavi during the academic year **2022**. The matter embodied in this report has not been submitted to any other university or institution for the award of any other degree or diploma.

**Date of Submission: Signature of the Student**

Student Name: Chaitra B V

USN: 1RV19MCA21

Department of Master of Computer Applications

RV College of Engineering®

Bengaluru-560059.

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**ACKNOWLEDGEMENT**

The satisfaction and euphoria that accompany the success of any work would be incomplete unless I mention the name of the people, who made it possible, whose constant guidance and encouragement served a beacon light and served our effort with success.

I express my wholehearted gratitude to Dr. **Subramanya K N**, Principal, RV College of Engineering® for providing me an opportunity.

I express my special thanks to **Dr. Andhe Dharani**, Professor, and Director, Department of MCA, RV College of Engineering®, Bengaluru for her constant support and guidance.

I express my sincere thanks and wholehearted credit to my Internal guide **Dr. S Anupama Kumar**, Associate Professor, Department of MCA, RV College of Engineering®, Bengaluru for her constant encouragement, support, and guidance during the project work.

I am also thankful to lab in-charge staff and all faculty of the department for their help and support during the seminar. On a moral personal note, my deepest appreciation and gratitude to my beloved family, who have been a fountain of inspiration and have provided unrelenting encouragement and support.

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**Chaitra B V**

Department of MCA

RV College of Engineering®

Bengaluru-59

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**ABSTRACT**

Spring Boot is an open-source Java-based framework used to create a Micro Service. It is developed by Pivotal Team. It is easy to create stand-alone and production ready spring applications using Spring Boot. Spring Boot contains a comprehensive infrastructure support for developing a micro service and enables users to develop enterprise-ready applications that can “just run”. It can be started with minimum configurations without the need for an entire Spring configuration setup.

Spring boot provides a flexible way to configure Java Beans, XML configurations, and Database Transactions. It provides a powerful batch processing and manages REST endpoints. Handling dependency management is a difficult task for big projects. Spring Boot resolves this problem by providing a set of dependencies for developer’s convenience. Spring boot starter includes the web starter, test starter, data JPA starter, mail starter etc. Building An Application using Spring Boot Framework includes four steps which is Creation of a new Maven Project in any IDE, Adding the Camunda & Spring framework dependencies, Adding the web.xml file for bootstrapping the Spring container and adding a Spring Java configuration to set up the application context

Thus, using spring boot and its starters helps in fast and easy development of spring-based applications and no need for the deployment of war files. Spring boot provides the ability to create standalone applications and the spring boot starters used in production-ready, tested & supported dependency configurations and helps to decrease the overall configuration time for the project.

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