

VELAGAPUDI RAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE::VIJAYAWADA
 (AUTONOMOUS)
 DEPARTMENT OF INFORMATION TECHNOLOGY
MICRO LEVEL SYLLABUS

Class	B Tech/M Tech/MCA/MBA	Regulation	VR20
Subject Code	20IT6303	Year & Semester	III Year & VI Semester
Title of the Subject	WEB PROGRAMMING AND DEVELOPMENT		

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	Breaking the monolithic way of developing software		1.7	5
	Microservices When to Use and when not to use			

	microservices	[T2]		
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	Query methods in Spring data JPA findAll() findByFirstName() findByFirstNameAndLastName() findByFirstNameOrLastName() findByLastNameOrderByFirstNameAsc()		5.5	122-129

Text Books:

- [T1] James Keogh, “J2Ee: The Complete Reference”, 1st Edition, McGraw Hill Education, 2002
[T2] Shagun Bakliwal, Hands-on Application Development using Spring Boot, BPB Publications, First Edition, 2022

Reference Books:

- [R1] Craig Walls, Spring in Action, Sixth Edition, MEAP Edition, Manning Early Access Program, Version 4, 2021
[R2] Mark Heckler, Spring Boot: Up and Running, O'Reilly Media, 2021

E-resources and other digital material

- [1]. Ranga Karanam, Java Servlets and JSP - Build Java EE(JEE) app in 25 Steps, 04-06-2022 Available: <https://www.udemy.com/course/learn-java-servlets-and-jsp-web-application-in-25-steps/>
[2]. Spring-Official documentation, 04-06-2022 Available: <https://spring.io/projects/spring-boot>
[3]. Advanced Java Programming by [Infinite Skills](https://www.udemy.com/advanced-java-programming/), 04-06-2022 Available: <https://www.udemy.com/advanced-java-programming/>
[4]. Derek Parsons, Spring MVC, Spring Boot and Rest Controllers, Available: 04-06-2022, LearnQuest, <https://www.coursera.org/learn/spring-mvc-rest-controller>
[5]. Ranga Karanam, Spring Framework Master Class - Java Spring the Modern Way, Available: 04-06-2022 <https://www.udemy.com/course/spring-tutorial-for-beginners/>

Designation	Name in Capitals	Signature with Date
Course Coordinator	M Ashok Kumar	
Module Coordinator	B L N Phaneendra Kumar	
Program Coordinator	Dr G Kalyani	
Head of the Department	Dr. M. Suneetha	