



Department of Computer Science and Engineering


Six - days Hands-on Skill Training on

FULL STACK JAVA




Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
 (Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)
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INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

Department of Computer Science and Engineering
 Skill and Career Development Cell
 in Association with ShriTEK Innovations & Avinya Technows




ShriTEK
INNOVATIONS





IQAC Initiative

Organizing
Hands-on Skill Training on
Full Stack Java


30-09-2024 to 5-10-2024
 @ Skill Lab & COE Lab
 5th sem, CSE







Vijay B R
Senior Software Engineer
and Technical Trainer

Resource Persons



Mubarak M
Software Developer &
Technical Trainer



Best Wishes from: Management, Principal, HOD & Staff

Academic Year	2024-25	Targeted Audience from	CSE 5 th 'A & B'
Name of the Event	<i>Workshop On Full Stack Java</i>	Number of Participants	133
Date of Conduction	30-09-2024 to 05-10-2024	Time	09.00 AM to 05:30PM
Venue	Skill Lab COE Lab	Resource	Vijay B R Mubarak M Vinay T R

Details of Training:

<p>Objective</p>	<p>The primary objectives of the workshop were:</p> <ul style="list-style-type: none">- To Understand HTML, CSS and JavaScript fundamentals. Learn responsive web design and UI/UX principles. Master front-end frameworks: React, Angular or Vue.js. Front-end development (HTML, CSS, JavaScript)- To Understand Java fundamentals: syntax, OOPs concepts. Learn Java frameworks: Spring Boot, Hibernate. Back-end development (Java, Spring Boot)- To Improve knowledge of Master database management: MySQL, MongoDB. Database management (MySQL, MongoDB)- Integrate front-end and back-end components. Understand RESTful APIs, API design.- To Understand database concepts: data modeling, normalization.- Learn testing frameworks: JUnit, TestNG. Master deployment strategies: AWS, Docker. Testing, deployment (AWS, Docker)- To Improve problem-solving, debugging skills.- To Enhance collaboration, communication.
<p>Details of the Activity</p>	<p>The workshop on Full Stack Java was organized and conducted by the CSE dept. This Workshop was conducted for 6 days from Monday to Saturday. The students from the CSE dept showed a huge interest in this workshop. All the students gathered in the Project lab by 9:00 am to 5.30 pm on every day of workshop. On the first day briefly explain to the students about the Introduction of Full Stack Java, On that day onwards this Workshop Content:- followed</p> <p>The workshop covered various topics and modules essential for building skills.</p> <p>DAY – 1: Kick starting Full Stack Development</p> <ul style="list-style-type: none">❖ Introduction to Full Stack Development<ul style="list-style-type: none">• Why Full Stack? The Power of Being Versatile.• Exploring Frontend, Backend, and Full Stack Roles.• Modern Web Technologies: HTML5, CSS3, JavaScript—The Building Blocks of the Web.❖ HTML5 Mastery<ul style="list-style-type: none">• Structuring Your Web Pages for Success: HTML Tags and Semantics.• Interactive Web Forms: Handling Inputs, Buttons, and Validation.• Tables & Media: Embedding Images, Audio, and Video Effortlessly❖ CSS3 Essentials with Modern Techniques<ul style="list-style-type: none">• Advanced Selectors: Targeting Elements Like a Pro• Responsive Design: Adapting Your Website for All Devices (Mobile, Tablet, Desktop)• Flexbox & Grid: Creating Dynamic Layouts with Ease.• Hands-on Exercise: Design a Beautiful Landing Page.

DAY – 2: Diving Deeper into JavaScript & Modern Frameworks

- ❖ Advanced JavaScript Concepts
 - ES6 Features: Arrow Functions, Destructuring, Promises— Write Less, Do More.
 - Event-Driven Programming: Making Your Pages Interactive.
 - DOM Manipulation: Connecting the JavaScript Engine to the UI.
- ❖ Introduction to React (or Angular/Vue)
 - Why React? A Game-Changer for Modern Web Development
 - Components and Props: The Lego Blocks of Your Application
 - State Management: Building Dynamic, Real-Time Applications
 - Routing & Navigation: Create Single Page Applications (SPAs)
- ❖ Project Alert: Build a To-Do App With React/Angular/Vue
 - Hands-on: Code a fully functional, real-time to-do app
 - Learn about component-based architecture and modular coding

DAY – 3: Advanced Data Structures and Recursion

- ❖ Advanced JavaScript Concepts
 - ES6 Features: Arrow Functions, Destructuring, Promises— Write Less, Do More.
 - Event-Driven Programming: Making Your Pages Interactive.
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 - Learn about component-based architecture and modular coding

DAY – 4: Advanced Data Structures and Recursion

- ❖ Advanced JavaScript Concepts
 - ES6 Features: Arrow Functions, Destructuring, Promises— Write Less, Do More.
 - Event-Driven Programming: Making Your Pages Interactive.
 - DOM Manipulation: Connecting the JavaScript Engine to the UI.

- ❖ Introduction to React (or Angular/Vue)
 - Why React? A Game-Changer for Modern Web Development
 - Components and Props: The Lego Blocks of Your Application
 - State Management: Building Dynamic, Real-Time Applications
 - Routing & Navigation: Create Single Page Applications (SPAs)
- ❖ Project Alert: Build a To-Do App With React/Angular/Vue
 - Hands-on: Code a fully functional, real-time to-do app
 - Learn about component-based architecture and modular coding

DAY – 5: Advanced Data Structures and Recursion

- ❖ Advanced JavaScript Concepts
 - ES6 Features: Arrow Functions, Destructuring, Promises—Write Less, Do More.
 - Event-Driven Programming: Making Your Pages Interactive.
 - DOM Manipulation: Connecting the JavaScript Engine to the UI.
- ❖ Introduction to React (or Angular/Vue)
 - Why React? A Game-Changer for Modern Web Development
 - Components and Props: The Lego Blocks of Your Application
 - State Management: Building Dynamic, Real-Time Applications
 - Routing & Navigation: Create Single Page Applications (SPAs)
- ❖ Project Alert: Build a To-Do App With React/Angular/Vue
 - Hands-on: Code a fully functional, real-time to-do app
 - Learn about component-based architecture and modular coding

DAY – 6: Advanced Data Structures and Recursion

- ❖ Advanced JavaScript Concepts
 - ES6 Features: Arrow Functions, Destructuring, Promises—Write Less, Do More.
 - Event-Driven Programming: Making Your Pages Interactive.
 - DOM Manipulation: Connecting the JavaScript Engine to the UI.
- ❖ Introduction to React (or Angular/Vue)
 - Why React? A Game-Changer for Modern Web Development
 - Components and Props: The Lego Blocks of Your Application
 - State Management: Building Dynamic, Real-Time Applications
 - Routing & Navigation: Create Single Page Applications (SPAs)
- ❖ Project Alert: Build a To-Do App With React/Angular/Vue
 - Hands-on: Code a fully functional, real-time to-do app

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|----------------|---|
| | <ul style="list-style-type: none">• Learn about component-based architecture and modular coding |
| Outcome | |

Outcome

Glimpse of course conduction are as follows...







Dr. Basavesha D
HOD, CSE