COURSE AGENDA - Scan



for complete course curriculum

INTRODUCTION TO FULLSTACK TECHNOLOGIES

INTRODUCTION **TECHNOLOGIES** TO FULLSTACK

What is Fullstack, 3-tier Architecture of FullStack Application, What are the Challenges in modern web What are the Requirements to build End to End Web

CORE JAVA

Back End

SPRING BOOT

JAVA- BACK END

CORE

based on Loops, Methods, Static members, Non-static members & Constructor, OOP's, Object class and its types, Wrapper class, Collection statement, Looping-Statements, Logical Programming methods, Arrays, Strings, Exception handling and its Variables, Operators, DynamicRead & Decision making program And Tokens, print() and println(), DataTypes & Java Introduction, Installation of JDK, Structure of java

MySQI

MYSQL

null, unique), Constraints (check, default, primary key, like operator, Joins, Stored-Procedures Alter statements, DML statement, Sql built-in functions composite primary key, foreign key) on delete cascade, Data types, Steps to create table, constraints (null, not (row level, group function), Where clause, Having clause SQL introduction, Installation of MySql workbench

DBC

Prepared Statement, Callable Statement Database Overview, JDBC basics & example Resultset, J2EE, JDBC, JDBC Introduction, JDBC Architecture,

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Many Mapping, Hibernate Session, Hibernate Session-One to ManyMapping, Many to OneMapping, Many to Configuration, Hibernate with Annotation, Hibernate Factory, Lazy_loading,Early-Loading, Hibernate Hibernate Association Mapping- One to One Mapping, Hibernate Introduction, Hibernate Architecture,

HIBERNATE

SPRING

Session, Global-Session), Autowiring Injection, Beans Scope (Singleton, Prototype, Request Spring Framework, Spring Framework Introduction, Spring Basics, Inversion of Control, Dependency

SPRING MVC

SPRING MVC

Methods used in springMVC MVC Basics, Spring MVC with Maven, Creation of project, Spring mvc first program with configuration, Spring MVC Architecture, Spring Annotations, Spring

SPRING BOOT

Rest api's and data jpa, Service, Controller, DAO, DTO Spring Boot, Spring Data with RESTFul Web Service, Boot, Spring Data JPA CRUD Application layers, Spring Boot, Hibernate CRUD Application, Spring Common Application Properties (application.properties), Applications on External Tomcat Server, Spring Bootproject, Spring-Initializer, Deploy Spring Boot Spring Boot Features, STS installation, Creation of

HIM

HTML

Introduction to Web, Core Concept of html, Important tags, Form, HTML 5 Features

Css

SS

Fonts & text manipulation, Layout, Flexbox, Grid Introduction to CSS, Selectors, Coloring & formatting,

JAVASCRIPT

Front End

JSP

JAVASCRIPT

Manipulations, Functions, Forms & Events Introduction to Javascript, Operators, DataStorage Techniques & DOM Manipulation, DOM & Dom

Example, Setup for rebasing conflict, Abort a Rebase, Rebase Conflict and Resolution, Pull with Rebase Fast introduction to GIT commands, Simple Rebase

REACT

Navigation, Forms, API Request (get/put/post/delete), Methods, JSX, React Components, Props, State, What is React, Variables and Datatypes, Node, Module LifeCycle Hooks Loops, Operator and Conditions, Array and String Package, Node Package Manager(NPM), Virtual DOM,

REACT

CORE JAVA (VAC)

Back End

MAP

Comparable Interface Hashtable), Collection Framework Advanced Concepts, Set(Hash Set, Tree Set), Map(Hash Map, Tree Map,

THREAD

Concept, Lifecycle, Extends Thread, Implement Runnable Interface, Thread Priorities, Thread Methods

MULTITHREADING

Data inconsistency, Deadlock

SYNCHRONIZATION

Synchronization, Object Locking, Inter Thread

PROGRAMMING

Logical programming based on loops, Pattern printing programs, Array based programs, String based programs

MY SQL ADVANCED CONCEPTS (VAC)

MY SQL ADVANCED

Read Image in SQL Exceptions, DB Connectivity Steps, Store Image in SQL, In, Between operator, Null Values, TOP, LIMIT, Java Application Using JDBC Connectivity, Handling SQL

ADVANCED JAVA (VAC)

Front End

SERVLET

Tomcat using Real Time Login Application HttpServletRequest, HttpServletResponse in Servlet, Servlet Directives- include(), Forward(), SendRedirictive() Hello World Application, 2.2.5 Web.xml Structure Init(), Service(), DoGet(), DoPost(), Destroy(), Serviet Servlet and JDBC Integration, Servlet, HTML 5, MySQL Need of Server Side Programming, Servlet Life Cycle,

CRUD Application JSP, JSP Basics, Creating dynamic Web content with JSP, Scriptlet, Declaration, Servlet, JSP, MySQL, Tomcat,

Css (VAC)

Front End

MEDIA QUERIES TRANSITIONS, **ANIMATION &**

Introductions, properties Animation Properties, Media Queries in css-Animations w/Keyframes, Adding an Animation, The Transitions Property, Transform property, Creating

BOOTSTRAP (VAC)

BOOTSTRAP

Introduction to BootStrap, Layout & Components,Utilities, Flex, Grid

Front End

ADVANCED JAVASCRIPT (VAC)

Front End

JAVASCRIPT ADVANCED

Asynchronous JavaScript & Es6+ Features, HTML 5 Error Handling, OOJS, ES6 Concepts, JSON

Skills and Tools Covered

















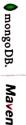












and many more...