

Post Graduate Program in
FULL STACK DEVELOPMENT

Learn. Code. Build

PROGRAM MODULES

Web development introduction & Front end

Learn web development basics, HTML, CSS and building interactive web pages using Javascript & jQuery

Front end Framework

Learn building front end applications using React JS

Back end Development

Deep dive into basics of Java, learn building web applications using Spring framework

Database & Deployment

Learn about database basics, running queries and integrating databases

WEEK
1-4

WEEK
5-6

WEEK
7-16

WEEK
17-20

CAPSTONE PROJECT

Build your application front end

Apply a front end framework for your application

Build the Back end layer

Build your database & deploy your application in Cloud

FRONT END

Languages:

- HTML
- CSS3
- Javascript
- jQuery
- React JS

BACK END

Languages:

- Java
- Spring framework
- Hibernate framework
- MySQL

DEVOPS

- Git
- IntelliJ
- Jenkins
- Heroku

WEB DEVELOPMENT BASICS

- Web development Basics - HTML & Web servers
- Shell - UNIX CLI
- Version control - Git & Github
- HTML, CSS

FRONTEND DEVELOPMENT

- Javascript basics
- OOPS Aspects of JavaScript
- Memory usage and Functions in JS
- AJAX for data exchange with server
- jQuery Framework
- jQuery events, UI components etc.
- JSON data format

REACT JS

- Introduction to React
- React Router and Single Page Applications
- React Forms, Flow Architecture and Introduction to Redux
- More Redux and Client-Server Communication

LANGUAGES & TOOLS



JAVA PROGRAMMING BASICS

- Variables and data types
- Conditional and iteration logic
- Object Oriented Programming
- File I/O and Collections
- Unit Testing & Debugging

JAVA WEB DEVELOPMENT

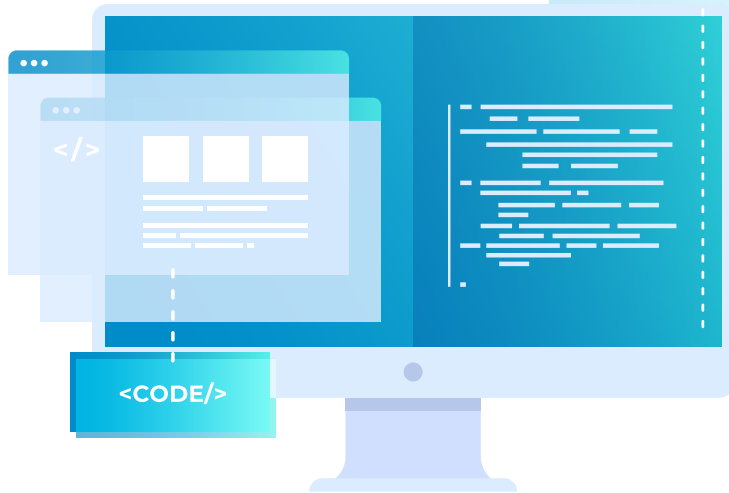
- Model View Controller (MVC) Pattern
- MVC Architecture using Spring
- RESTful API using Spring Framework
- Building an application using Maven

DATABASES & DEPLOYMENT

- Relational schemas and normalization
- Structured Query Language (SQL)
- Data persistence using Spring JDBC
- Agile development principles and deploying application in Cloud

LANGUAGES & TOOLS





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