

## About CRISP

CRISP is established under the Indo-German Technical Cooperation Agreement as an autonomous organization of the Dept. of Technical Education, Skill Development & Employment, Govt. of M.P.

CRISP provides technical training and consultancy services for Industry Personnel, Government Officers, Faculties of Academic & Training Institutions, Students & Jobseekers. CRISP is equipped with the state-of-the-art labs & technology, latest software, qualified, trained and experienced trainers in the relevant fields.

### Other training programmes in CS/IT :

#### AI & Data Science:

- AI & ML
- ML with Python
- Advance Data Analytics
- Deep Learning
- Power BI
- Tableau

#### Office Management With AI:

- Accounting with Tally Prime
- Advanced Excel & ChatGPT
- MS Office/Open Office

#### Programming Languages:

- Java J2SE
- CISCO Programming Essentials in Python

#### Networking & Cybersecurity:

- CISCO CCNA
- Cloud Computing L1
- Cyber Security & Ethical Hacking
- Linux Administrator
- CISCO Networking Essentials
- CISCO IT Essentials (PCRM & Networking)

#### Database Management:

- ORACLE Database (SQL AND PL-SQL)



## Patron Clients of CRISP



### Contact :

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## Centre for Research and Industrial Staff Performance

(Established under Indo-German Technical Co-operation)

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# Full Stack Web Developer



...unleashing the full potential of men & machines

## Full Stack Web Developer



Career Opportunities

Skill Development

Hands-on Experience

Certification

Networking Opportunities

### Introduction of Course

The Full Stack Web Developer training program provides comprehensive skills to develop both the front-end and back-end of web applications. A full stack developer is capable of managing the entire development process — from the user interface to server-side logic and database operations.

They are equipped to design, develop, and maintain complete web solutions, covering everything from layout and design to interactivity and functionality where

Front-end development focuses on what users see and interact with, using the Core Technologies like HTML, CSS, JavaScript, UI Design with Bootstrap, Frameworks/Libraries like React.js, Angular and Vue.js. For Back-end Node.js & Express, Build servers and REST APIs. Connecting frontend to backend.

Scope: Full stack development offers from freelance work to a rewarding and future-proof career path adapting to roles in web, mobile, cloud, and AI-integrated applications.

### Course Contents

#### Module 1: HTML5 & CSS3 Basics

Build and style structured web pages. HTML elements, lists, images, links, Page layout, Box Model, Flexbox, Grid  
Responsive design with media queries

#### Module 2: UI Design with Bootstrap.

Bootstrap setup, layout grid Navbars, buttons, cards, carousels, Icons and UI consistency

#### Module 3: JavaScript ES6

Add interactivity and logic. Variables, functions, arrow functions, Objects, scope, closures.  
Functional programming patterns

#### Module 4: Backend with Node.js & Express

Build servers and REST APIs. Express setup, routing, middleware, MVC basics, OOP in backend  
Connecting frontend to backend

#### Module 5: React.js Frontend

Develop dynamic user interfaces. JSX, components, props & state Reusable UI elements, Build SPA with React

#### Module 6: Databases – SQL & MongoDB

Store and manage app data. SQL: CRUD, joins, queries  
MongoDB & Mongoose: NoSQL modelling  
Backend integration with databases

### Methodology

The programme consists of a mix of :

- Lectures and presentations
- Demonstrations
- Interactive discussions
- Hands-on practice

### Pre-requisite

- 12th/ITI/Diploma/Degree.
- Working knowledge of Computer with networking

### Duration

**Full time:** 10 working days (7 hours/day)

**Part time:** 6 months, 2 hours/day

### Course Fee

Corporate participant: Rs.35,000/- (Non Residential) + GST

Fee will be subsidized for Jobseekers/students

### Mode of Payment

Cash / UPI/ Online/ Debit/ Credit Card