**Java Full Stack Development Training Program**

**Submitted by:**

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Submitted to:

[College/University Name]

Date: [Insert Date]

**1. Executive Summary**

Opentechz Pvt. Ltd. is honored to present this proposal for a 200-hour **Java Full Stack Development Training Program** to [College/University Name]. This program is structured to provide students with expertise in both frontend and backend development using Java-based technologies, covering industry-leading tools and frameworks essential for building end-to-end web applications.

This Java Full Stack program is designed to prepare students for real-world development environments, equipping them with the skills to architect, build, deploy, and maintain full-fledged web applications, while preparing them for successful careers in the software development field.

**1**. **Objective of the Training**

The objective of this Full Stack Development program is to equip students with in-depth knowledge and hands-on skills in both frontend and backend development. The training will enable students to build dynamic, responsive, and fully functional web applications using modern technologies.

**2. Program Highlights**

* **Total Hours:** 200 hours of comprehensive training
* **Mode:** In-person / Online / Hybrid (customizable to suit college requirements)
* **Certifications:** Provided by Opentechz upon successful program completion
* **Key Deliverables:** Training materials, real-world projects, weekly assessments, access to recorded sessions, certification, and career guidance
* **Outcomes:** Industry-ready skills, portfolio-ready projects, and preparation for roles such as Full Stack Developer, Frontend/Backend Developer, and Web Developer

**2. Program Structure and Syllabus**

**Module 1: Frontend Development (70 Hours)**

* **Core Languages:** HTML5, CSS3, JavaScript (ES6+)
* **JavaScript Frameworks and Libraries:** Angular / React.js (customizable)
* **Responsive and Adaptive Design:** Bootstrap and Material Design principles
* **Version Control:** Git and GitHub for project management and collaboration
* **Outcome:** Students will be able to design and implement dynamic, responsive interfaces using JavaScript-based frameworks, preparing them for Java-based backend integration.

**Module 2: Backend Development (Java) (90 Hours)**

* **Java Basics and OOP Concepts:** Core Java with a focus on object-oriented principles
* **Spring Boot Framework:** Dependency injection, RESTful services, and API development
* **Database Management:** MySQL and/or PostgreSQL for database interactions and CRUD operations
* **Authentication and Security:** JWT and OAuth for secure application development
* **Outcome:** Ability to develop backend systems using Java, handle database interactions, build RESTful APIs, and secure web applications

**Module 3: Capstone Project (40 Hours)**

* **Full Stack Web Application:** End-to-end development of a real-world web application, integrating both frontend and Java backend
* **Deployment:** Hosting and deploying on cloud platforms such as AWS, Azure, or Heroku
* **Soft Skills and Documentation:** Project documentation, teamwork, and presentation skills
* **Outcome:** A portfolio-ready full-stack application demonstrating Java expertise and frontend/backend integration skills

**4. Training Methodology and Deliverables**

### ****Methodology****

Opentechz delivers training through a highly interactive approach that includes:

* **Live Lectures:** Comprehensive, real-time instruction
* **Hands-on Exercises:** Daily coding assignments and quizzes to reinforce learning
* **Project-Based Learning:** Building applications to develop practical skills
* **Personalized Mentoring:** Q&A sessions to clarify doubts and provide personalized guidance
* **Capstone Project:** A final project simulating real-world scenarios

### ****Deliverables****

* **Comprehensive Training Materials:** Module-wise PDFs, code samples, and reference links
* **Access to Recorded Sessions:** Enables flexible and self-paced learning
* **Weekly Assessments and Quizzes:** To monitor progress and understanding
* **Capstone Project Certification:** Official certification from Opentechz upon project completion

### 4. Program Fees and Pricing Structure

|  |  |
| --- | --- |
| Description | Cost |
| Full Stack Training Program | ₹[Total Amount, e.g., 3,00,000] + GST |
| Per Student Cost | ₹1500 per hour |
| Group Discount (20+ Students) | Available on request |

### ****Payment Schedule****

* **Initial Payment (50%)**: Upon signing the agreement
* **Mid-Program Payment (25%)**: After 100 hours of training
* **Final Payment (25%)**: After program completion and certification

### 5. ****Expected Outcomes****

By the end of the program, students will gain:

* **Technical Proficiency:** Building full stack applications using Java and JavaScript frameworks
* **Project Management Skills:** Experience using Git, GitHub, and best practices in collaboration
* **Deployment Skills:** Knowledge of cloud-based application deployment on popular platforms
* **Portfolio-Ready Project:** A complete full-stack application that showcases their skills to potential employers

### ****Career Pathways:****

* Full Stack Developer
* Frontend/Backend Developer
* Web Application Developer

### 6. ****Why Opentechz?****

Opentechz brings industry experience, hands-on teaching techniques, and practical insights. With a blend of technology expertise and modern teaching approaches, our trainers are committed to providing a transformative learning experience that prepares students for a successful career in tech.

### 7. Contact Information

For further discussion, please feel free to contact:

* **Opentechz Pvt. Ltd.**
* **Phone:** [Your Contact Number]
* **Email:** info@opentechz.com
* **Website:** www.opentechz.com

**We look forward to the opportunity to collaborate with [College/University Name] in shaping the next generation of Full Stack Developers and supporting students in achieving career success in technology.**