

## **Full Stack Development Training Proposal to Tamilnadu Police Officials**

**Project Title:** Proposal to Conduct Three Weeks (15 Days) Full Stack Development Training Program for Tamilnadu Police Officials

**Client & Location:** Tamilnadu Police Officials, NIELIT Chennai

**Objective:** To equip participants with the skills to develop full-stack applications, covering both front-end and back-end technologies. It will provide hands-on experience in building end-to-end solutions, including CMS usage, web hosting or cloud deployment, and implementing security hardening best practices.

**Prerequisite:** B. Tech (CSE/IT/ECE)/MSc (CS)/MCA with Knowledge of Basic HTML and CSS.

**Duration:** 3 Weeks

### **Syllabus**

#### **DAY 1: HTML & CSS**

Session 1: Introduction, Elements and Attributes, Basic HTML Elements

Session 2: Text Formatting, Working with Tables, Lists, Block vs Inline Elements & Forms

Session 3: Basic CSS, CSS Properties and Values, Selectors, Box Model

Session 4: Positioning and Layout, CSS Colors, CSS Media Queries

#### **DAY 2: Bootstrap**

Session 1: Introduction to Bootstrap, Setting up Bootstrap (CDN)

Session 2: Containers, Rows, and Columns, Responsive Grid System

Session 3: Buttons, Navbar Cards, Alerts and Modals

Session 4: Colors, Spacing and Demo project

#### **DAY 3: Java Script**

Session 1: Introduction to Java Script & Setting Up Environment

Session 2: Variables & Data Types

Session 3: Memory Management

Session 4: Functions

#### **DAY 4: Java Script: Control Structures and Arrays**

Session 1: Control Structures

Session 2: Arrays

Session 3: Objects & Prototypes

Session 4: Java Script (practical programs)

#### **DAY 5: jQuery**

Session 1: Introduction to jQuery, Basic jQuery Syntax

Session 2: Manipulating Elements, Event Handling

Session 3: Animations and Effects, AJAX with jQuery

Session 4: jQuery (practical programs)

#### **DAY 6: PHP**

Session 1: Introduction PHP, environment (XAMPP), PHP tags and echo/print statements

Session 2: Data types, Operators, Control Structures

Session 3: Functions, working with Forms

Session 4: Practical (sample programs)

**DAY 7: PHP**

Session 1: Arrays, object

Session 2: File Handling

Session 3: Handling form data using \$\_GET and \$\_POST.

Session 4: Practical (sample programs)

**DAY 8: MySQL**

Session 1: Introduction to MySQL Basic MySQL Commands

Session 2: Working with Tables, Data Manipulation

Session 3: Querying Data, Joins, Backup and Restore

Session 4: MySQL - Mini Project

**DAY 9: PHP Connect to MySQL & Git version control system**

Session 1: MySQLi and PDO Syntax

Session 2: Select Data with MySQLi

Session 3: Introduction to Git, Basic Commands, Branching, Undo Changes

Session 4: GIT - Mini Project

**DAY 10:** Project 1 in Front End Web Page Development

**DAY 11:** Project 2 in Full Stack Website Development

**DAY 12:** Project 3 in Full Stack Website Development and Deployment

**DAY 13:** Project 4 in CMS based Web Deployment and Customization

**DAY 14:** Project 5 in Project Deployment in Cloud

**DAY 15:** Project 6 in Project Deployment in Cloud with Security Hardening

**Course start date and Timing:** Course will be conducted in offline mode during Monday to Friday, timings will be from 10 AM to 5 PM

**Batch Size:** 15 (Fifteen Participants)

**Course Fee:** Course fee is ₹ 1,75,000/- plus GST

**Course ware:** Required course material will be supplied through soft copies over LMS.

**Payment Terms and Conditions**

✓ The payment shall be made to **Account No: 31185720641 Bank: SBI, Branch: Kottur (Chennai), IFS Code: SBIN0001669**

**Contact Details**

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