

About JAVA/J2EE

JAVA & J2EE technology is the most popular technology is being used in software industries for web development application. This technology is used for client as well as server side application. Dynamic server side web pages can be developed using Servlet & JSP .For example for all on line-banking Systems, ATMs, Mobiles, Railways etc, field this technology is widely used. So the JAVA & J2EE is the today's need of the software industries. There are lot of potential in JAVA / J2EE technology in the software companies.

COURSE CONTENTS

JAVA PROFESSIONAL [Part-A]

❖ CORE JAVA

- Introduction to Java
- JVM (Java Virtual Machine)
- Basic Language Elements
- Object Oriented Programming
- Package for Java
- Exception Handling
- Multi Threading
- String Handling
- I/O Operation (java.io Package)
- Applets
- AWT, Event handling & Swings

- Collection API & Utility classes
- Networking in Java
- New Features in Java 7.x, 8.x

❖ ADV JAVA

- **JDBC**
 - Overview of RDBMS
 - JDBC Architecture
 - Types of Drivers
 - JDBC API
 - Establishing a JDBC Connection
 - Executing Statement, Prepared Statement & Callable Statement.
 - Executing DDL and DML Commands.
- **SERVLETS**
 - Introduction to web based component development
 - Servlet Life Cycle
 - Developing and Deploying Servlets
 - Generic Servlets
 - ServletConfig, ServletContext, ServletRequest, ServletResponse
 - Passing Init & Context Parameters
 - RequestDispatcher Interface
 - Include & Forward Mechanism
 - HTTPServlets

- Session Tracking & Management
- URL Rewriting, Hidden Form Field
- Cookies, HttpSession
- Filters, Listeners
- **JSP (Introduction to JSP)**
 - JSP Overview, Architecture
 - Lifecycle of JSP
 - Scripting Elements – Scriptlets, Declarations, Expression
 - Directive Tags: page, include, taglib
 - 9 Implicit Objects
 - JSP using Beans
- **IDE: Eclipse, NetBeans**

Eligibility: Knowledge of 'C'
Duration: 2 ½ Months (150 hours)
Batch Time: Morning 7:30 to 10 AM
Evening 06 to 8:30 PM

Course Fees: Rs. 6,000/-

JAVA PROFESSIONAL [Part-B]

❖ Java Frameworks

❖ HIBERNATE

- Introduction to Hibernate
- Hibernate Architecture
- Hibernate Mapping
- Hibernate Annotations
- Hibernate Query Language
- Hibernate Criteria Queries
- Hibernate Native SQL

❖ SPRING

- Spring Architecture
- Bean Scope, Lifecycle
- Bean Postprocessor
- Injecting, Autowiring
- Annotation base configuration
- AOP Framework
- JDBC Framework
- Transaction Management
- Web MVC Framework

❖ Project Based on Spring & Hibernate.

Eligibility: Knowledge of Java

Duration: 45 Days (90 hours)

Batch Time: Morning 7:30 to 10 AM
Evening 06 to 8:30 PM

Course Fees: Rs. 4,000/-

**For further details, please
contact –**

Prof. D. S. KULKARNI
(Incharge CED)

Faculty: Vijay Sir
9371640066

Dr. C. S. Thorat
Principal



**GOVERNMENT
POLYTECHNIC**

Sadar, Nagpur – 440 001
e-mail: principal@gpnagpur.ac.in
gpnagpur.dte@gmail.com
Web site: www.gpnagpur.ac.in

Presents

Continuing Education Program

On

JAVA
Professional

**IN
COLLABORATION WITH**



G-One Technologies

e-mail: gonetechnologies@gmail.com
P.No.4, Bhende Layout,
Nagpur – 440022