

## IT - Information Technology Enabled Services

In today's digital era Information and Communication Technology have become one of the basic requirements of society. It is difficult to think of any event without the use of digital devices. ITeS sector includes IT services, engineering design, R & D services and BPO services.

IT includes a wide variety of operations that uses information technology to improve the efficiency of any organization. ITeS services are delivered over telecom or data network to a range of external business areas. The changing economic and business conditions, rapid technological innovation, the proliferation of the internet and globalization are creating an increasingly competitive environment.

The role of technology has evolved from supporting corporations to transforming them. All these factors have made IT-ITeS a competent vertical among others.

### Post Graduate Diploma in Software Development

#### Course Introduction

Post Graduate Diploma course in Software Development is of one-year duration in IT sector. The course has strong components of skill based and Work Integrated training. In order to meet the demands of the Industry for skilled workforce with higher qualification at the post graduate level

The objective of this programme is to develop system programmers and analysts to meet the manpower requirement of fast developing software industry. The programme is designed to enrich the programming and analysis ability of students.

The course content includes: - Advance programming Languages such as JAVA, ASP.NET MVC & C#, Web development using PHP, Packages such as MS Office and Database management systems. It also includes the module of Mobile application development and Software project management which lead to enhance their knowledge towards different phases of software project.

The programme is designed to produce a dynamic breed of computer professionals with excellent managerial skills. Emphasis is given to in-depth studies of numerous application - oriented subjects, covering various methodologies to develop software products efficiently by utilizing advance networking technologies and application software.

#### Eligibility for Admission

The Learners / students who have successfully completed graduation in any stream or equivalent course are eligible to take admission.

#### Employability/Skill enhancement

Considering the work integrated approach adopted by TISS: SVE the industry will be open to employ the students attached with them for the purpose of training as full time employees.

Undergoing the Post-Graduation Diploma in Software Development will give the students, an upper hand in comparison to others as they will receive additional specialized training as follows:

- Basic understanding of computer and its terminology
- Manage, co-ordinate and resolve incidents as quickly as possible at primary support level
- Dealing with basic service requests and incidents at the IT helpdesk
- Build and maintain positive and effective relationships with customers
- Problem-solving approaches in different situations
- Select appropriate technology to use to develop any given application
- Background knowledge of programming languages such as C#, MVC etc.

Skills of Accounting and Financial Management

Plan and organizing your work in order to complete it to the required standards on time

Work effectively with colleagues, either in your own work group or in other work groups within your organization

Analyze inputs from appropriate people to identify, resolve and record design defects and inform future designs

Develop basic programming structures to implement functionality

Career Prospects: PGSD students can get in to job roles like Software Engineer, Computer Programmer & Analyst, Interface Engineer, Java Developer, Project Manager, Information Security Analyst and IT Consultant

### **Semester Wise Distribution of Course Credit and Hours**

#### **SEMESTER I – 24 Weeks – Classroom + Industrial Training + Project Work**

<b>Subject Code</b>	<b>Title</b>	<b>Theory</b>	<b>Practical</b>	<b>Credits</b>	<b>Hours</b>
PGDSD101	Advance Computing and MS Office	3	-	3	45
PGDSD102	Database management systems	3	-	3	45
PGDSD103	Object oriented programming with JAVA	3	-	3	45
PGDSD104	Web Development using PHP	3	-	3	45
PGDSD-OJT1	Internship/OJT	-	12	12	360
PGDSD-PW1	Project Work	-	6	6	180
Total		12	18	30	720

#### **SEMESTER II – 24 Weeks – Classroom + On-the-Job Training (OJT) + Project Report**

<b>Subject Code</b>	<b>Title</b>	<b>Theory</b>	<b>Practical</b>	<b>Credits</b>	<b>Hours</b>
PGDSD201	ASP.NET MVC & C#	3	-	3	45
PGDSD202	Android Mobile Application Development	3	-	3	45
PGDSD203	Software Engineering and Project Management	3	-	3	45
PGDSD204	Big Data Hadoop	3	-	3	45
PGDSD-OJT2	Internship/OJT	-	12	12	360
PGDSD-PW1	Project Work	-	6	6	180
Total		12	18	30	720

**Programme fees:** Rs. 60,000/-per annum

**Examination fees:** Rs. 2,500/- per semester and Rs. 5000 per annum

**Caution Deposit ( Refundable):** Rs.5000