



# SOFTECH

ERP Solutions Pvt. Ltd.

*explore infinite possibilities*



*Your success is our business*

[www.softechsolutions.co.in](http://www.softechsolutions.co.in)



## About Us

**Softech ERP Solutions Pvt. Ltd.** is the training and Development Company with major business interests in Software Services, Web Development and Training. The company was incorporated in December 2001 with a view to bring the systems Integration and software applications up-to-date. It has in house facilities for training and development. Its technical and operational bases are quite strong with its technical supervisory, customer service. It has come up with a very unique idea. The idea is to enable its trainees to learn and work on real life software / web projects. This concept has opened doors to great career path for number of candidates. Our marketing and management teams are the backbone to the company with full technical strength. This management team comprises of trainees of **Real Life Software Program**.

With this different concept Softech Solutions aims at achieving a major goal to success in software development with the aid of its training program under the guidance of our experienced and expert developers.

## Comprehensive IT Training Proposal

The meaning of Training is “to learn a skill”. Training is the act of increasing the knowledge and skill of a person for doing a particular job. Training enables to acquire latest skills, thus increase versatility for qualification for busting carrier. It provides better safety, remuneration

and security. It also enables to drive greater satisfaction and utilize the full skills and capacity. Proper training teaches proper operation and changes the wrong attitude and also tells the safe points.



Students who are in 2nd and/or 3rd year of their degree course right now they will spend a few years finishing college and a few years just learning the ropes at their first job. So it will really be about 5 year before their career really starts. What will the



software technology would be like at that student can work on acquiring right now to ensure that they are well positioned to thrive.

Training for engineering students is important because it is the time to obtain as much knowledge about their field. As an engineering student, training can help students to implement the concepts they learned at their classes. After learning concepts from professors, lecturers and also from books we feel like 'we now know everything and we can now develop any type of program based on those concepts' but the fact is that 'learning a concept' and 'implementing a concept' both are different things, both are tightly coupled but still there are differences. It is true that without learning a concept any one can't implement it, but just learning a concept doesn't mean that they can correctly implement it.

Actual challenges appear when they have to develop real-world software. All the software/program based on the concepts they may had already learned during their engineering course, but there are lot more things involved in developing a live application (that is to be used by some business organization) and those things can be learned only from a good software company's productive environment and never taught at classes. Training helps candidates to learn those things that are available only at production environment and by working on a live project.

## **Where**

Training will be conducted by Softech ERP Solutions Pvt. Ltd. at its Kolkata.

## **Who Can Apply**

Students pursuing MCA, MSc-IT, MIT, MTech, BCA, BSc-IT, BIT, BTech A level, B Level, GNIIT, ACCP, EDAST or anybody having basic programming knowledge and want to pursue a career in software development.



## Training Process

We offer tutorials in a wide range of IT topics. We provide tutorials in the following

Topics:-

1. PHP
2. MYSQL
3. JAVASCRIPT
4. AJAX
5. ASP DOT NET
6. MS SQL SERVER

We offer training in both theoretical and practical form. The theory classes deal with the theoretical portion of PHP, JavaScript and Ajax. Some practical instances are also taught during the theory classes. During the practical classes, we offer database, codes. Our main objective is to provide the best knowledge about the above mentioned scripting languages,

## Our Vision and mission

There are many reasons why our service is superior to that of other companies out there; here you can find just some of them:

**Driven by results** - we always remember that at the central point of any project there's a business that need to be profitable. We are driven by fulfilling that requirement and that's why all our solutions and ideas have one thing in common - to maximize return and minimize costs.

**Customer's value creation** - for us a good customer is a happy customer, it's as simple as that. Turning customers into happy customers with profitable business is a primary goal for us, because it creates a win-win situation where we are most likely to become long - term partners together.

**Lateral solutions** - when it comes to creating successful IT businesses, one need to be an expert in business analysis and IT solutions as well as web marketing. We pride ourselves in having expertise in all three areas which lets us provide truly complex business solutions.

**Deep integration and alignment** – when working with our customers, we understand and respect the people, structures and processes which they consist of. By understanding business goals and strategies, and maximizing horizontal alignment



between both companies, we are able to provide you with solutions that are created for your specific business needs.

**Always on time and on budget** - we recognize the importance of a deadline and budgeting when it comes to business-critical projects. That's why we know when to say "no". If we take on a project, we guarantee to provide you with agreed results, always on time and within a budget.

**Respect individuality and keep having fun!** – We love working with people in happy, vibrant teams, building great and innovative solutions that will help your company reach its destiny!

Softech is committed to its vision of providing quality IT services and solutions, and become a success multiplier for its customers.

## **Our Services**

- Customized ERP development for Ferro Alloy Industry
- Customized ERP development for other Industries
- Customized IT solutions for business (web and internet related)

## **What We Do**

### **Consulting services**

Our consulting services aims to help web companies increase their overall performance by managing changes at the edge of three main areas: business processes & strategy, IT & web technology, and finally, web design, usability and SEO solutions. We can offer you in-depth analysis of your business strengths and weaknesses, as well as providing you with complete new business strategy. We can also help you select the right development methodology and IT processes fitted to your specific needs, as well as advise you on how to plan and execute professional search engine marketing strategy.

### **IT & web applications audits**

In completing an IT & web applications audit we undertake a complete or partial review and analysis of your existing IT infrastructure, technology solutions & existing applications. Such audit consists also of analysis of IT processes and methodology used within your company. Finally, apart from analysis and auditing, our role can be also



extended to actually implementing proposed changes. In such cases we can take responsibility for active project management and/or change management according to agreed requirements.

## Web design services

We have extensive experience in web design following usability standards... In the end however, we still remember that design is not only about all the abilities! The quality in design is achieved not just by rigid regulations but by visual creativity, usage of nice visual effects, user-friendly fonts and colors as well as great looking photos! We know that visual matters... and that's why we always make a big thing out of it!

## IT recruitment

Through our business partnerships with several IT recruitment agencies in Central and Eastern India. We can help you plan and execute successful recruitment of almost any IT professional, both full-time and contract-based.

## Implementation Methodology

### System Implementation Life

#### Cycle Phase Descriptions

**Plan:** Define the system implementation scope and plan for which the work is to be performed. Assemble a team of



Softech ERP Solutions Pvt. Ltd. and client personnel to develop business and technology objectives. Establish the change imperative, initiate business case including success metrics, and conduct a change readiness assessment.

**Analyze:** Develop an enabled vision for the enterprise and determine process design and technology infrastructure requirements for the system implementation.



**Design:** Develop a detailed design that fulfils the vision, plan the software development activities, implement the technology infrastructure to execute the system implementation and design the approach for preparing end users.

**Build:** Configure the business applications, complete interfaces, enhancements, and modifications. Perform integrated technical and business testing. Plan the implementation.

**Deploy:** Deliver a functional solution to the enterprise, deliver the business benefits, and monitor and improve the system. Data collection for success metrics (defined during system implementation planning) is begun, with the commencing of period reporting.

## Implementation Methodology Process



- The entire implementation is carried out on site by Softech ERP Solutions Pvt. Ltd. team.
- One dedicated person should be identified as Project coordinator from client site. Coordinator thus identified should have the authority to interact with





different level of the management if required. The coordinator will be responsible for :

- Supervision of requirement study as per schedule
- Timely approval of specification.
- Providing test data
- Coordination for user training and implementation.
- Softech ERP Solutions Pvt. Ltd. team will do a detailed requirement analysis pertaining to business process. Which will cover the following:
  - Study of existing business process.
  - Input data / Output data formats.
  - Gap Analysis.
- After system study a detailed SRS document will be furnished for approval of the specification.
- Softech ERP Solutions Pvt. Ltd. team will start design and customization after written approval of the SRS document from Client.

Any changes in the specification requested after this would be treated separately under change management. Extra effort for the change, to be worked out separately. The Proposed System will be delivered incrementally, module by module, the incremental delivery ensure that users start using the software very early during implementation time and do not have to wait for entire system to go live.





## Our Clients

### ERP for Ferro Alloy Industry

- Srinivasa Ferro Alloys Ltd. (Durgapur, West Bengal)
- Sri Gayatri Minerals Pvt Ltd. (Bishnupur, West Bengal)
- Modern India Concast Ltd. Unit I (Bishnupur, West Bengal)
- Modern India Concast Ltd. Unit II (Haldia, West Bengal)
- Shri Girija Smelters Ltd, Unit I (Raipur, Chattisgarh)
- Shri Girija Smelters Ltd, Unit II (Raipur, Chattisgarh)
- Centom Industries Ltd. (Raniganj, West Bengal)
- Shri Girija Alloy & Power (India) Pvt. Ltd. ( Peddapuram, Andhra Pradesh)

### ERP for SMEs

- Gayson & Co Pvt Ltd. (Kolkata)
- Centom Constructions. (Kolkata)
- Pumpsense Fluid Engineering Pvt. Ltd. (Kolkata)
- Singh Leather Press Pvt. Ltd. (Kolkata)
- G.S Industrial Products Pvt. Ltd (Kolkata)

### Customized IT Solutions

- Eastern India Regional Council of Institute of Chartered Accountants of India (EIRC-ICAI)
- India Government Mint, Alipore - Kolkata
- West Bengal Forest Development Corporation
- Bajoria & Associates
- Turning Point Manpower Consultants Pvt Ltd.
- Smart Homecare Business Ltd.
- Sajjan Bajoria & Company
- Rpsmoney.com – UK Based Client



## Recent Website Designs

- Eastern India Regional Council of Institute of Chartered Accountants of India  
[www.eircicai.org](http://www.eircicai.org)
- P D Rungta & Co.  
[www.pdrungta.co.in](http://www.pdrungta.co.in)
- S N Banerjee & Associates  
[www.snbanerjee.com](http://www.snbanerjee.com)
- T K V & Associates  
[www.tkv.co.in](http://www.tkv.co.in)
- Roy Ghosh & Associates  
[www.royghosh.in](http://www.royghosh.in)
- IITRADE  
[www.iitrade.ac.in](http://www.iitrade.ac.in)
- Vijaya International  
[www.wiremesh.net.in](http://www.wiremesh.net.in)
- TURNING POINT CONSULTANTS  
[www.tpconsultants.com](http://www.tpconsultants.com)
- ITAG Business Ltd  
[www.iprconference.com](http://www.iprconference.com)
- Kore Infosystems  
[www.koreinfosystems.com](http://www.koreinfosystems.com)
- Unique Engineer Constructions Pvt. Ltd  
[www.uecpl.co.in](http://www.uecpl.co.in)
- Round the Clock Services  
[www.roundtheclockservices.in](http://www.roundtheclockservices.in)
- 365 Days Holidays  
[www.365holidays.net](http://www.365holidays.net)
- IITRADE  
[www.protechcomputers.in](http://www.protechcomputers.in)



# ASP.NET/SQL SERVER TRAINING WITH LIVE PROJECTS

**Duration : 900 Hour + (6 Months)**

Today, ASP.NET is one of the most favourite programming frameworks in the web-development industry. Hence, going through an ASP.NET training course is extremely beneficial for fresher to quickly find a place in the job market...

- Application Programming Interface
- Dynamic Web Pages
- Powerful Web Applications

ASP.NET is a next generation version of Microsoft's ASP (Active Server Pages). Towards the beginning, after the inception of the Internet, web pages were primarily static and had to be manually updated in case of any changes. A platform to develop dynamic WebPages that would update automatically had become the need of the hour. Microsoft first brought ASP (Active Server Pages) to solve this problem. However, as applications grew bigger and more complex the need for architecture was felt, which would facilitate application development in a structured way. Microsoft .NET framework was introduced with ASP.NET programming and it simplified the way web applications were built.



## ASP.NET/SQL SERVER Training Course Content and Structure

Sl.	Details	Hours
1.	Introduction to Internet	08
2.	.Net Framework and Fundamental & ADO.Net	80
3.	SQL Server Trining	80
4.	Web Service	16
5	Windows Presentation & Communication Foundation (WPF & WCF)	24
6	Live Project	700+

### Level 1: Introduction to Internet

This course is for any individual learning to use Internet.

- What is Internet and the world wide web?
- Introduction to websites and its functionalities
- Introduction to HTML/CSS
- Introduction to Domain Names and Web hosts.

**Duration: 4 Hours**

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### Level 2: .Net Framework and Fundamental & ADO.Net

- Introduction to .NET: .Net Framework1.1/2.0/3/3.5, .Net Architecture
- C# Application Basics: Application Life cycle & Page life cycle Command line and VS.NET compilation.
- C# Fundamentals: Basic classes, declarations, conditionals, loops, arrays, strings, enumerations, structures.
- OOP in C#: Encapsulation, inheritance, polymorphism
- Exceptions and Object Lifetime: exceptions and the garbage collector.
- Interfaces and collections: How and why to use them compilation.
- Callback Interfaces, Delegates, and Events: basics of each -- very important for event driven (GUI) programming
- Advanced C# Type Construction: Indexers, operator overload, conversions
- Generics: basic syntax
- .NET Assemblies: basic overview
- Processes, AppDomains, Contexts, Threading, Type Reflection, Late Binding, Attribute-based programming: Advanced topics from the text will be discussed as time permits. We can decide as a class on what to explore if we get to this point.
- Object Serialization: basics



- Windows Forms: Basic windows programming: forms, component class, control class, control events, menus, status bars, tool bars, interacting with the registry
- Drawing in Windows (GDI+): Paint sessions, the Graphics class, coordinate systems, color, fonts, hit testing.
- Form Controls: control hierarchy, text boxes, buttons, check boxes, radio boxes, list boxes, combo boxes, etc.
- Data Access with ADO.NET: walkthrough of example

**Duration : 80 Hours (2 Week)**

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### **Level 3: SQL Server Training**

#### **Overview of the SQL Server suite of products**

- Fundamentals of the relational database engine
- Benefits of the Business Intelligence stack

#### **SQL Server components and tools**

- SQL Server Agent and Management Studio
- Integration Services
- Analysis Services
- Reporting Services
- Data Quality Services
- Master Data Services

#### **Querying for Table Data**

- The SELECT Statement
- Aggregating Query Results
- Using UNION
- Import and Export Data

#### **Handling Errors and Warnings**

- SQL Modes
- Handling Missing or Invalid Data Values
- Interpreting Error Messages
- Conditions and Signals
- Error Handling when using Connectors



## Data Types

- Data Type Overview
- Numeric Data Types
- Character String Data Types
- Binary String Data Types
- Temporal Data Types
- Spatial Data Types
- NULLs

## SQL Expressions

- SQL Comparisons
- Functions in SQL Expressions
- Comments in SQL Statements

## Obtaining Metadata

- Metadata Access Methods
- The INFORMATION\_SCHEMA Database/Schema
- Using SHOW and DESCRIBE
- The mysql show Command

## Database

- Database Properties
- Good Design Practices
- Identifiers
- Creating Databases
- Altering Databases
- Dropping Databases

## Tables

- Creating Tables
- Table Properties
- Column Options
- Creating Tables Based on Existing Tables
- Altering Tables
- Dropping Tables
- Foreign Keys



### Manipulating Table Data

- The INSERT Statement
- The DELETE Statement
- The UPDATE Statement
- The Replace Statement
- INSERT with ON DUPLICATE KEY UPDATE
- The TRUNCATE TABLE Statement

### Transactions

- What is a Transaction
- Transaction Commands
- Isolations Levels
- Locking

### Joins

- What is a Join?
- Joining Tables in SQL
- Basic Join Syntax
- Inner Joins
- Outer Joins
- Other Types of Joins
- Joins in UPDATE and DELETE statements

### Subqueries

- Types of Subqueries
- Table Subquery Operators
- Correlated and Non-Correlated Subqueries
- Converting Subqueries to Joins

### Views

- What are Views?
- Creating Views
- Updating Views
- Managing Views
- Obtaining View Metadata





### Prepared Statements

- Why use Prepared Statements
- Using Prepared Statements for the mysql client
- Executing a Prepared Statement
- Deallocating a Prepared Statement
- Programming with Prepared Statements

### Stored Routines

- What is a Stored Routine?
- Creating Stored Routines
- Compound Statements
- Assign Variables
- Parameter Declaration
- Execute Stored Routines
- Stored Routine Characteristics
- Examine Stored Routines

### Triggers

- What are Triggers
- When to Use Triggers
- How to Delete Triggers
- Restrictions on Triggers

### Optimization and Monitoring

- Overview of Optimization Principles
- Using Indexes for Optimization
- Using EXPLAIN to Analyze Queries
- Using Performance Schema to Analyze Performance
- Query rewriting techniques
- Optimizing Queries by Limiting Output
- Using Summary Tables
- Optimizing Updates

- **Duration : 80 Hours (15 Days)**
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#### **Level 4: Web Service**

- Introduction to Web Service and web service fundamentals
- Web Service & IIS, Writing a Web service
- Window based Web Service & Web based web service, test a web service

**Duration : 16 Hours (2 Days)**

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#### **Level 5: Windows Presentation & Communication Foundation (WPF & WCF)**

- Introduction to WPF, Application and Window Objects & Basic Brushes
- The Concept of Content, Buttons and Other Controls
- Layout Under WPF, Dependency Properties & Routed Input Events
- Listboxes and Menus
- Toolbars, StatusBars, TreeView & ListView
- Introduction to XAML
- Resources, Windows, Pages & Navigation, Data Binding & Styles
- Introduction to WCF and Architecture
- Concepts of Addresses, Contracts and Bindings
- Concepts of Endpoints, Hosting and Clients

**Duration : 24 Hours (3 Days)**

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#### **LEVEL 6: Live Projects**

This is a level where students work on live projects in the Softech ERP Solutions Pvt. Ltd. and get an opportunity to work with a team of professionals at the company.

**Duration : 700 Hours (5 Weeks) Approx – Might be increased by 15 more days depends upon the project**

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# PHP / MySQL TRAINING WITH LIVE PROJECTS

**Duration: 864 Hour (6 Months)**

Did you know that 'Open Source Programming' with PHP/MySQL is one of the most lucrative opportunities in the job scene today? Going through a good PHP/MySQL training course can take you places.

- Info Database & Online Catalogs
- E-Commerce
- Web Forms
- BLOG

These are some extremely popular web applications you must be using or have heard about often. These dynamic web applications have changed the way we use the Internet today. We are talking about a new generation of dynamic/interactive websites that operates according to the visitors and/or the administrators. 'Open Source Programming' powers these applications!

'Open Source Programming' (where the source function can be changed according to the need-of-the-hour) is the hot favorite solution for the dynamic needs of the e-business



worldwide. PHP/MySQL is the most preferred 'Open Source Programming' script worldwide. The reasons why.

- Since they run on Linux and Unix, PHP websites are considered more secure compared to Windows supported languages such as ASP and .NET.
- Unlike other programming languages, with PHP a fresher can learn and develop websites in a matter of 4-6 months
- PHP/MySQL does not require any License fees unlike Windows supported languages.
- PHP/MySQL web hosting is much cheaper than Windows supported hosting
- PHP applications are sturdier and can easily adapt to various web hosting environments. For example, PHP scripts can be run on Windows hosting but ASP and .NET apps do not work on Linux and Unix.

For its economy and universality, most of the medium to small size businesses worldwide choose PHP/MySQL to operate and enhance its presence online. A PHP/MySQL web host allows to continuously create as many web-applications as you can think of. the sky is the limit! The flipside! Currently there is a huge gap in the number of jobs in the PHP sector and the number of trained quality professional PHP programmers.

Want to fill in the gap? Use the ever-increasing demand for PHP to your advantage! An easy-to-learn script with unlimited scope. make PHP/MySQL your route to success.

## **PHP/MySQL Training Course Content and Structure**

Sl.	Details	Hours
1.	<b>Introduction to Internet</b>	<b>08</b>
2.	<b>PHP / MySQL Programming</b>	<b>80</b>
3.	<b>MySQL Trining</b>	<b>80</b>
4.	<b>Live Project</b>	<b>700+</b>



## **Level 1: Introduction to Internet**

**This course is for any individual learning to use Internet.**

- What is Internet and the world wide web?
- Introduction to websites and its functionalities
- Introduction to HTML/CSS
- Introduction to Domain Names and Web hosts.

**Duration: 8 Hours**

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## **Level 2: PHP / MySQL Programming**

**A complete industrial course-package in PHP/MySQL Programming**

- Introduction to PHP/MySQL
- Taking User Input from Forms via PHP
- Variables and Expressions in PHP
- Conditional Tests and Events in PHP
- PHP Flow Control
- PHP Configuration
- PHP Functions
- Storing Data in Arrays using PHP
- Handling Databases with PHP
- String Manipulation in PHP
- Sessions and Cookies in PHP
- File and Directory Access Using PHP
- Other I/O Issues in PHP
- Handling Email with PHP
- Object Orientation in PHP
- SOAP
- Wordpress
- Shopping Cart, Ecommerce, Payment Gateways

**Duration : 84 Hours (Two Weeks)**

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## **Level 3: MySQL Trining**

### **Introduction**

- MySQL Product
- MySQL Services and Support
- MySQL Resources
- Example Databases



### MySQL Client/Server Concepts

- MySQL General Architecture
- Diskspace use
- Memory use

### MySQL Clients

- Invoking Client Programs
- Using Option Files
- The MySQL Client
- MySQL Workbench
- MySQL Connectors
- Third Party APIs

### Querying for Table Data

- The SELECT Statement
- Aggregating Query Results
- Using UNION
- Import and Export Data

### Handling Errors and Warnings

- SQL Modes
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- Interpreting Error Messages
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- Error Handling when using Connectors

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- Query rewriting techniques
- Optimizing Queries by Limiting Output
- Using Summary Tables
- Optimizing Updates

**Duration : 84 Hours (Two Weeks)**

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### **Level 3: Live Projects**

This level will provide the students with the 'hands-on' experience, an active involvement with live projects under the guidance of the industry experts alongside the company's working professionals.

**Duration : 688 Hours (5+ Weeks)**

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**Softech ERP Solutions Pvt. Ltd.**

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