**Trainee Data Management System**

Develop a Trainee Data Management System to automate the candidate registration process and complete data management. The system incorporates the benefits of manual data maintenance with the expediency of virtual data management, without putting in the tedious and exasperating efforts in maintaining the data files manually. The System also integrates the advantage of maintaining a digitized repository of documents to make the working environment more straightforward and hassle free.

**Proposed System:**

The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach.

* User Friendliness is provided in the application with various controls provided by system Rich User Interface.
* The system makes the overall project management much easier and flexible.
* It can be accessed over the Intranet.
* The user information files can be stored in centralized database which can be maintained by the system.
* This can give the good security for user information because data is not in client machine.
* Authentication is provided for this application only registered members can access.

Trainee Data Management System aims to streamline the registration process. The system will incorporate the online registration form along with separate modules for fee management, batch allocation, final evaluation and certificate generation.

The application will keep track of all registered candidates’ details. It will also prepare a mailing list of all the e-mail IDs entered by candidates and send them automated generic e-mails, as and when required.

The System includes SMTP Server Configuration for E-mailing newsletters, notifications, etc. to registered candidates.

The fee management module will automate the fee collection process. It will monitor the total fee for each candidate, how much fee has been submitted by a candidate, what is the remaining fee and the remaining installments, etc.

The system will perform automated Batch Allocation for all the candidates.

The System will also maintain a scanned documents repository.

Also, there will be a report generation module that will generate various reports related to each module.

**Modules:**

1. Interface Development (HTML/CSS)
2. Admin/Trainee Authentication
3. Online Registration Form
4. Fee Management
5. Batch Allocation
6. Candidate Evaluation
7. SMTP Server Configuration
8. Mailing List
9. Scanned Document Repository
10. Report Generation

**HARDWARE REQUIREMENTS:**

* Processor: Intel Pentium or More
* RAM: 1 GB Ram
* Hard Disk: PC with 20GB

**SOFTWARE REQUIREMENTS:**

* **Operating System Server:** Windows XP or later
* **Database Server:** Microsoft SQL Server-2008
* **Client:** Microsoft Internet Explorer
* **Tools:** Microsoft Visual Studio .Net-2010
* **User Interface:** Asp.Net with Ajax
* **Code Behind:** VC#.Net