**Online Shopping Portal**

Develop an Online Shopping Portal. This application would provide a web platform for sale and purchase of products over the intranet. The online shopping system integrates the ease and convenience of the virtual environment for home shopping and payment without the compromising with the security.

**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 discussion 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.

Online Shopping System intends to provide an online portal for sale and purchase of various products over the internet. The portal will manage the data of all the registered customers and their shopping.

The customers need to register themselves first before they do shopping using the shopping portal. However, everyone, whether registered or not, can view the various products along with the prices listed in the portal.

The registered customers, after logging in, are allowed to place order for one or more products from the products listed in the portal. All the selected products are moved to the shopping cart, from where a customer can place the final order after submitting the required details.

Once the order is placed, the customer gets a reference order number and the order status should be “order in process”.

The customers can track their order using the given reference number.

The Shopping portal incorporate payment gateway to facilitate online payment. The portal also maintains a wish list of the products for future purchase, in which a customer is interested.

The user also has the facility to buy e-Gift vouchers.

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

There will also be a report generation module that will generate various reports related to each module.

**Modules:**

1. Interface Development (HTML/CSS)
2. User Sign Up
3. User Authentication Module
4. Digital Shopping Cart
5. Payment Gateway
6. Wish List
7. SMTP Server Configuration
8. e-Gift Voucher
9. Mailing List
10. Search Module
11. Search Engine Optimization (SEO) Module
12. 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