CHAPTER 7

RESEARCH METHODOLOGY

In this work, sales data was tested for buying and selling services. In addition, analysis was carried out by proposing the new algorithms namely Enforcer generation, ETD classification algorithm and Fuzzy Based Offer Agreement Generator. The following system configurations are used to design and frame the proposed HOAG system.

7.1   SYSTEM CONFIGURATIONS

HARDWARE: Intel Pentium IV or AMD – 1.8 GHz or more, 512 MB RAM, 5 GB Hard disk, 15' Colour with VGI card support.

SOFTWARE: Windows XP, Visual Studio .NET 2010, SQL Server 2005, Weka Classifier

7.2   VISUAL STUDIO .NET 2010

Visual studio software was developed by Microsoft as Integrated Development Environment (IDE) tool kit. It provides all-inclusive set of software program to the software development. And it used to develop web sites, web applications and web services for any kind of applications. The tool was in build with the code editor, code refactoring and debugger. The code editor is used to frame the source code, code refactoring is used to restructure the existing framed code and debugger used to produce fault display.

Also the tool supports multiple programming languages to design any service applications. The build in languages C, C++, VB.NET (Visual Basic .NET), DC# (Visual C#), ASP.Net, C#.Net, Python, Ruby, XML/XSLT, HTML/XHTML, Java Script and CSS used to design web application.

7.3   SQL SERVER 2008

This server acts as the RDBMS and was developed by Microsoft. The major functionality of SQL Server 2008 supports structured and semi structured data: such as data, pictures and videos of data are accessed with the format of 'FILESTREM'. Also it exhibits the features of Transparent Encryption Data (TED), ADO.NET Entity framework, Entity Data model, Intellisense and windows Powershell. TED used to encrypt the database files and store the backup data. ADO.NET framework used to solve the business problems and store and retrieve the business data. Entity Data Model is the conceptual model represents the objects in the form of entities and associations. Intellisense is a prototype that checks the concepts of code and syntax checking. Powershell access the local and remote administrative tasks of windows systems.

7.4   WEKA CLASSIFIER

It is a data mining tool that has the collection of machine learning algorithms. The tool was developed at University of Waikato, New Zealand. It has the options of preprocessing, association, classification, clustering and regression. From the selected option a set of training data was tested and produce the output. The tool fully designed with java programming language and its platform independent. Weka tool provides the accessibility to the SQL Databases and Java Database connectivity.