PATNI COE PORTAL

By

P-2262

S.Hema Priya
Registration Number:71205621013

Of

Kumaraguru College Of Technology
Coimbatore

K C T
LIBRARY
Coimbatore - 641 006.

A PROJECT REPORT
Submitted to the

FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING

In partial fulfillment of the requirements
For the award of the degree
Of

MASTER OF COMPUTER APPLICATIONS
ANNA UNIVERSITY
CHENNAI 600025
July 2008

BONAFIDE CERTIFICATE

This is to certify that this project report titled **Patni COE Portal** is the bonafide work of **Ms S.Hema Priya** (Registration Number:**71205621013**) who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

C. Rajan Kumar
Project Guide

Head of the Department

Submitted to Project and Viva Examination held on 01/07/2008

Internal Examiner

01/07/08
External Examiner

March 31, 2008

patni

Patni Computer Systems Ltd.
55, SDF II, Seepz,
Andheri (E),
Mumbai - 400 096, India.
TEL : +91 22 2829 1454
FAX : +91 22 2829 2764
www.patni.com

To whomsoever it may concern

This is to certify that Ms. Hema Priya Subramaniam as partial fulfillment of her MCA, from Kumaraguru College Of Technology, has completed her project for Patni under the guidance of Mrs. Tejashri Kundale. She has worked on "Patni COE Portal". The project traineeship duration has been from 24/12/2007 to 2/6/2008.

Hema Priya has been very sincere & diligent in her job and her performance on the project has been acceptable.

We wish her a bright career and success in all his future endeavors.

For Patni Computer Systems Ltd.

Pradnya

Pradnya Naidu
Asst. Manager - GRiTHR

ABSTRACT

Patni COE Portal is an intranet portal developed as a user friendly application with asp.net as front end and sql server as database server. This portal is developed for knowledge sharing among employees of finance business unit in patni

The main objective of the portal is to provide knowledge share by maintaining communication and tracking details in FSBU. The COE portal is used to upload the employee details into the portal and the employees can search any type of documents

Communications are maintained with time, place, and date, description regarding the meeting or any type of information for finance business unit. All communication details are listed in the portal. Employee resource Skills are maintained for project allocation and a project pipeline is maintained to find out the past and existing projects.

Employee details such as an administrator, internal user, and Business Delivery officer details can be tracked, projects details can be tracked to find out the starting and completion of the projects, awards and recognition for the employee can also be tracked.

Finally this portal helps to track the whole details of the finance business unit as any type of documents can be uploaded and tracked

ACKNOWLEDGEMENT

I express my grateful thanks to our beloved principal, **Dr. Joseph V Thanikal Ph.D.,** Kumaraguru College of Technology, Coimbatore, for giving me an opportunity to take up this project.

I express my deep sense of gratitude to **Dr.M.Gururajan Ph.D.,** Professor and Head, Department of computer Applications for extending the help in providing all the facilities for the successful completion of the project

I wish to thank **Mr. A.Muthu Kumar M.Sc, M.C.A, M. Phil,** Assistant Professor and Course Coordinator, Department of Computer Applications for providing his valuable suggestions and encouragement through out my project

I would like to express my sincere gratitude to **Mr.C. Rajan Krupa M.C.A.,** Senior Lecturer, Department of Computer applications for his guidance, support, cooperation and valuable suggestions during the course of the project

I also thank **Mrs. Tejashri Kundale**, Project Manager, Patni Computer Systems Limited for giving me an opportunity to work on this project and improving the visual layout and performance of this project.

Finally, I would like to thank my parents and my colleagues who helped and supported me to complete this project

TABLE OF CONTENTS

Topic	Page no
Abstract	iii
List of figures	viii
List of symbols and abbreviations	ix
1- INTRODUCTION	**1**
1.1 Organization Profile	1
1.2 Problem Definition	2
2- SYSTEM ANALYSIS	**4**
2.1 Existing System Architecture	4
2.2 Proposed System Architecture	4
2.3 User Interface Requirements	5
3- DEVELOPMENT ENVIRONMENT	**9**
3.1 Hardware Environment	9
3.2 Software Environment	9
4- SYSTEM DESIGN	**10**
4.1 Data Model	10
4.1.1 E.R.Diagram	11
4.1.2 Logical Data Design	12
4.1.3 Physical Data Design	13

Topic	Page no
4.2 Process Model	16
4.2.1 Use Case Diagram	16
4.2.2 Data Flow Diagram	21
5- ARCHITECTURAL DETAILS	**26**
5.1 n-tier Architecture	26
6- TESTING	**28**
6.1 Unit Testing	28
6.2 Integration Testing	28
6.3 System Testing	29
6.4 Testing Reports	29
7- PERFORMANCE AND LIMITATIONS	**31**
7.1 Merits of the system	31
7.2 Limitations of the system	31
7.3 Future Enhancements	32
8- APPENDICES	**33**
8.1 Sample Screens	33
8.2 Tables	49
8.3 User Manual	57
9- REFERENCES	**65**

List of Figures

Figure no	Figure Description	Page no
4.1.1.1	Entity Relationship Diagram	11
4.1.2.1	Logical data design	12
4.1.3.1	Physical data design	14
4.2.1	Use case diagram	16
4.2.1.1	Maintain Portal details	16
4.2.1.2	Maintain Content details	17
4.2.1.3	Maintain communication	18
4.2.1.4	Maintain resource	18
4.2.1.5	Tracking data	19
4.2.2	Data flow diagram	19
4.2.2.1	Patni COE Portal	19
4.2.2.2	Upload and access details	20
4.2.2.3	Maintain communication details	20
4.2.2.4	Resource Rating	21

Figure no	Figure Description	Page no
4.2.2.5	Tracking history details	21
4.2.2.6	Elementary process description-Access details	22
4.2.2.7	Elementary process description-communication	23
4.2.2.8	Elementary process description-Resource rating	24
4.2.2.9	Elementary process description-track details	24

List of Symbols and Abbreviations

The abbreviations and symbol used for this project are as follows:

- ✓ COE- Center of Excellence
- ✓ FSBU- Finance Business Unit
- ✓ SQL- Structured Query Language
- ✓ RAM-Random Access Memory
- ✓ ASP-Active Server Pages
- ✓ OLEDB- Object Linking Embedded Database
- ✓ CMM-Capability Maturity Model
- ✓ SEI-Software Engineering Institute
- ✓ Dr-Document Rating

CHAPTER 1

INTRODUCTION

1.1 Organization Profile

Patni Computer Systems Ltd is one of the leading global providers of Information Technology services and business solutions. Over 15,000 professionals service clients across diverse industries, from 22 sales offices across the Americas, Europe and Asia-Pacific, and 20 Global Delivery Centers in strategic locations across the world. We have serviced more than 400 FORTUNE 1000 companies, for over two decades

Vision

To achieve global IT services leadership in providing value-added high quality IT solutions to our clients in selected horizontal and vertical segments, by combining technology skills, domain expertise, process focus and a commitment to long-term client relationships.

Innovation and Excellence in Execution

Patni delivers high quality, reliable and cost-effective IT services to customers globally. We provide world-class technology services by constantly exploring and implementing innovative solutions that drive long-term value to our customers

Patni is an ISO 9001:2000 certified Organization; assessed enterprise-wide at SEI-CMMI Level 5 (V1.2), SEI-CMM Level 5 .We have integrated Six Sigma techniques to focus on continuous, measurable process improvement, with powerful analytical tools and sophisticated review processes.

1.2 Problem Definition

The purpose of this portal is to overcome the challenges faced by the existing portal among the FSBU. The existing portal was not able to find out the whole details of FSBU.

The problem is to maintain the past and the existing information to maintain a communication for easy allocation of the projects. The challenges faced are:

- Lack of knowledge sharing among the employees
- No proper communication maintained in case of any meeting
- lack of time to allocate the projects for the employees
- Pipeline was not maintained to find out the past projects
- The project and employee details were not able to track out easily.

These problems made the existing feature to increase the features for the easy access among the employees. The new COE portal helps to overcome the challenges of the existing portal.

The existing feature has to overcome the challenges maintained to provide a good feature and easy handling for the users among the FSBU. The goals of this project is to increase the features of the existing portal

1. To maintain documents of separate searching and uploading into the portal
2. The searching can be made with a single keyword or with an advance searching By giving the category and the subcategory of the documents
3. Any contributor can upload the document and the administrator can validate
4. Communication description is to be maintained where the employees can easily Identify the date, time, and place of the meeting held.
5. A pipeline has to be maintained to find out the number of projects existing and Completed, and the days required to complete the given project
6. Employee Skills can be used to allocate the projects according to the skills
7. History tracker can be maintained to track out the details easily

These goals helps to maintain an easy identification of any documents and the maintenance of the details helps for the resource center to be maintained. The center of Excellence helps to provide any type of the documents maintained in the finance business unit

From the number of projects received, FSBU maintains the resource and allocates according to the skills. This enables the easy allocation and the maintenance of the project

This portal helps to find out the details easily and it helps to track out the employee, project, and the user details for this portal. The COE ensures to deliver the FSBU information.

CHAPTER -2

SYSTEM ANALYSIS

2.1 Existing System Architecture

The Existing system is the system where only certain information was maintained. The existing system included:

- Number of employees list is maintained.
- Number of projects for the FSBU is maintained
- There is a lack of knowledge sharing across the portal
- Communication is not maintained to share within the employees
- A project pipeline is not maintained to find out the number of existing and the completed project

This existing portal was only to maintain the employee details and the projects done, The New COE portal is enabled to overcome these problems to maintain the complete record of the employee, projects, share communication among the employees.

2.2 Proposed System Architecture

The COE portal enables the users of the system to share the knowledge among the FSBU.

Knowledge Sharing and Maintaining Communication

This portal makes the users of the system to find out the complete details of the employees, numbers of persons allocated to a particular project, starting and ending of the projects, time taken to complete the project, from the projects received for the FSBU, the employee is allocated to the project with their resource skill

2.3 User Interface Requirements

The business Requirements are categorized into the following modules

Module 1: PATNI SECTION

This module provides descriptive information of Finance Business Unit. It is classified into following sub-modules.

I. Introduction to patni
II. Introduction on past projects
III. Maintain patni information

I-Introduction to Patni

This portal gives an introduction of Patni, where it manages various business units under different projects. This module describes about FSBU and its projects

II-Information on Past Projects

The project details can be viewed under this module, it states the starting date, ending date to view the past projects. It displays the whole details of the project as

- Number of users involved in completing the project
- Number of days, months for completing the project
- It displays the project as rejected or accepted

III-Maintain Patni Information

The portal information are created in this module with the Name, description, type and status as either active or inactive .The information created is stored in the database to view from the portal, the information can be modified for any changes or can be deleted

Module 2: KNOWLEDGE MANAGEMENT

This module enables the users to share the knowledge among FSBU users. This module is used for searching and uploading the documents. It is classified into

I. Document Search
II. Document Upload

I-Document Search

All the documents are uploaded into the portal; it can be accessed by other users. In order to search any document, a keyword can be given to search the document; the documents with the specified keyword will be displayed

The documents can be searched with the help of advanced searching by giving author name, content name, category, and subcategory. The documents can also be searched using the uploaded date

Keyword Searching

Keyword	*FUND*

Documents found during search

Mutual Fund	What is mutual fund……?	C:\inetpub\wwwroot\
Fund	Funds can be classified…….	C:\inetpub\www……

II-Document Upload

The documents are uploaded into the portal to share among the users. The contributors can add their details into the portal giving name, e-mail, and phone no. The content details such as document name, format, version and category are also uploaded to search any type of the documents.

Module 3: COMMUNICATION CENTER

The portal maintains communication among the users. The communication is done by giving the subject, description, details of the communication and the date is automatically updated. The communicational description is given by the administrator.

Communication Details

Communication Subject	Patni COE Portal
Communication Description	Shares the knowledge among the users through portal
Details of communication	Meeting, Announcements
Communication Date	05/24/08
Update date	Changes made when updated

Information are uploaded into the portal by the administrator, the dates are uploaded automatically. The communication can be classified into

I-View Communication

I- View Communication

The communication uploaded into the portal is viewed by the users. Any type of meetings or announcements can be viewed. The communication made can also be updated for late meeting or announcement

View Communication

`Communication Subject	Communication Details	Date
Patni COE Portal	Meeting, Announcements	05/24/08

Module 4: RESOURCE CENTER

According to the skill set of the employee, projects are allocated, the project describes with the starting and completing date of the project. Numbers of resources are entered as how many employees are needed to complete the particular project

All the details are uploaded into the portal by the admistrator; the details can be updated and modified by the administrator

Project pipeline displays the number of completed projects, existing projects, and the time taken to complete the projects. All the existing and the completed projects are listed.

Module 5: HISTORY TRACKER

All the details of the employees, type of users such as administrator, internal user and the number of projects are tracked. It displays the name of the user with the projects completed

Tracker Report

Name of the user	S. Hema Priya
Type of the user	Administrator
Projects completed	8
Experience	4 years

The portal is used to track the details; the portal updates all the information as the COE displays any type of information

CHAPTER 3

DEVELOPMENT ENVIRONMENT

3.1 Hardware Environment

The hardware support required for deploying the application

Server Configuration

Processor Speed Minimum	: Intel Centrino Duo Core 2.0 GHz or Higher
RAM	: 2 GB
Hard Disk	: 80GB or Higher

Client Configuration

Processor Speed Minimum	: Intel Pentium 4 or Higher
RAM	: 512 MB
Hard disk	: 40GB or Higher

3.2 Software Environment

The software support required for deploying the application

Server Operating System	: Windows XP
Client Operating System	: Windows XP
Framework	: .NET Framework 3.0
Database	: MS-SQL Server 2000
Language	: Asp, vb

CHAPTER 4

SYSTEM DESIGN

4.1 Data Model

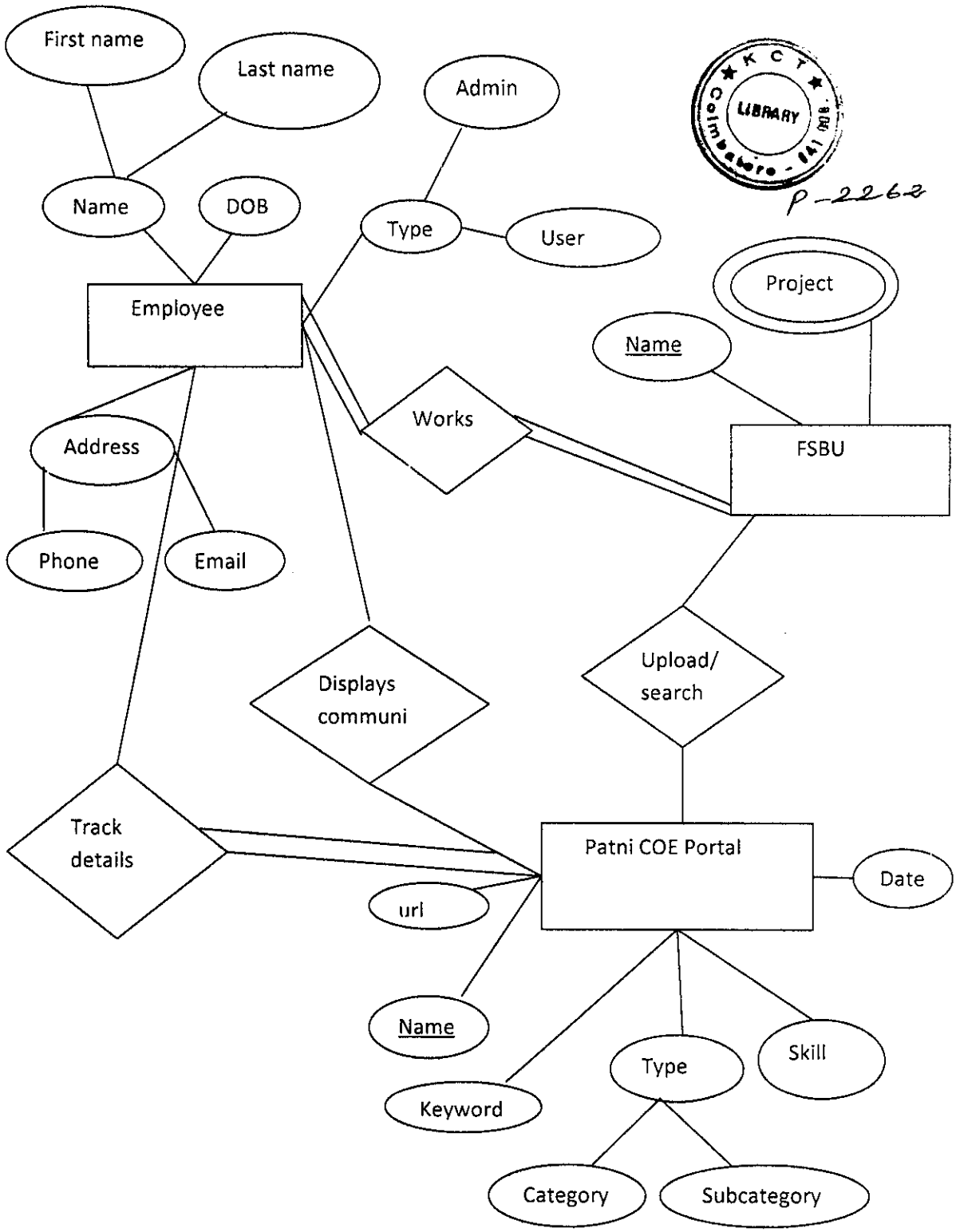
4.1.1 Entity Relationship Diagram

The ER diagram describes the modules of the Patni COE Portal

It includes the following parts

- Patni section
- Knowledge Management
- Program Management
- Resource Center
- History Tracker

Each module describes its features with a main advantage of knowledge sharing among the users. The Entity Relationship Diagram for Patni COE Portal is shown in the following figure [fig 4.2.1.1]

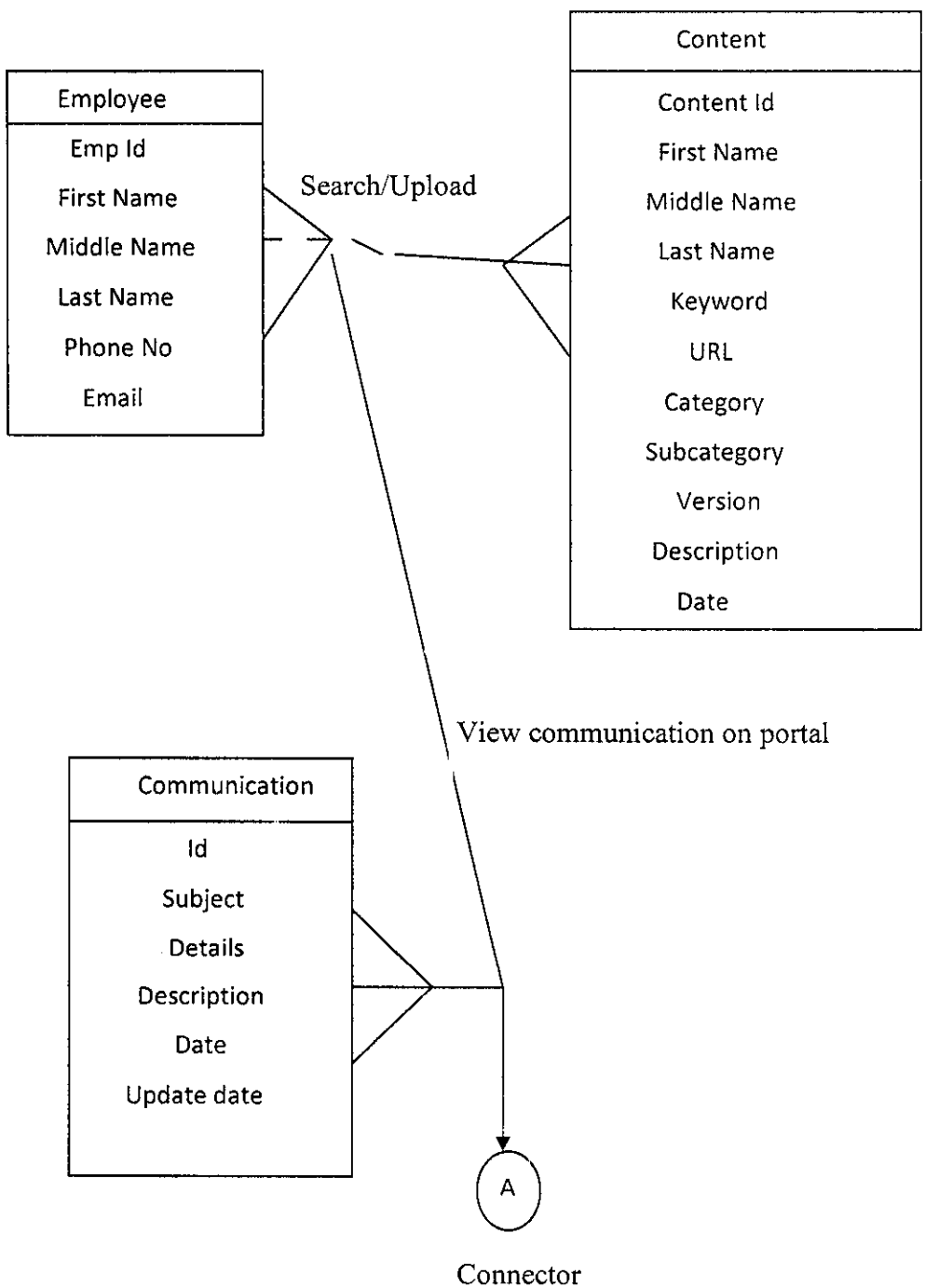


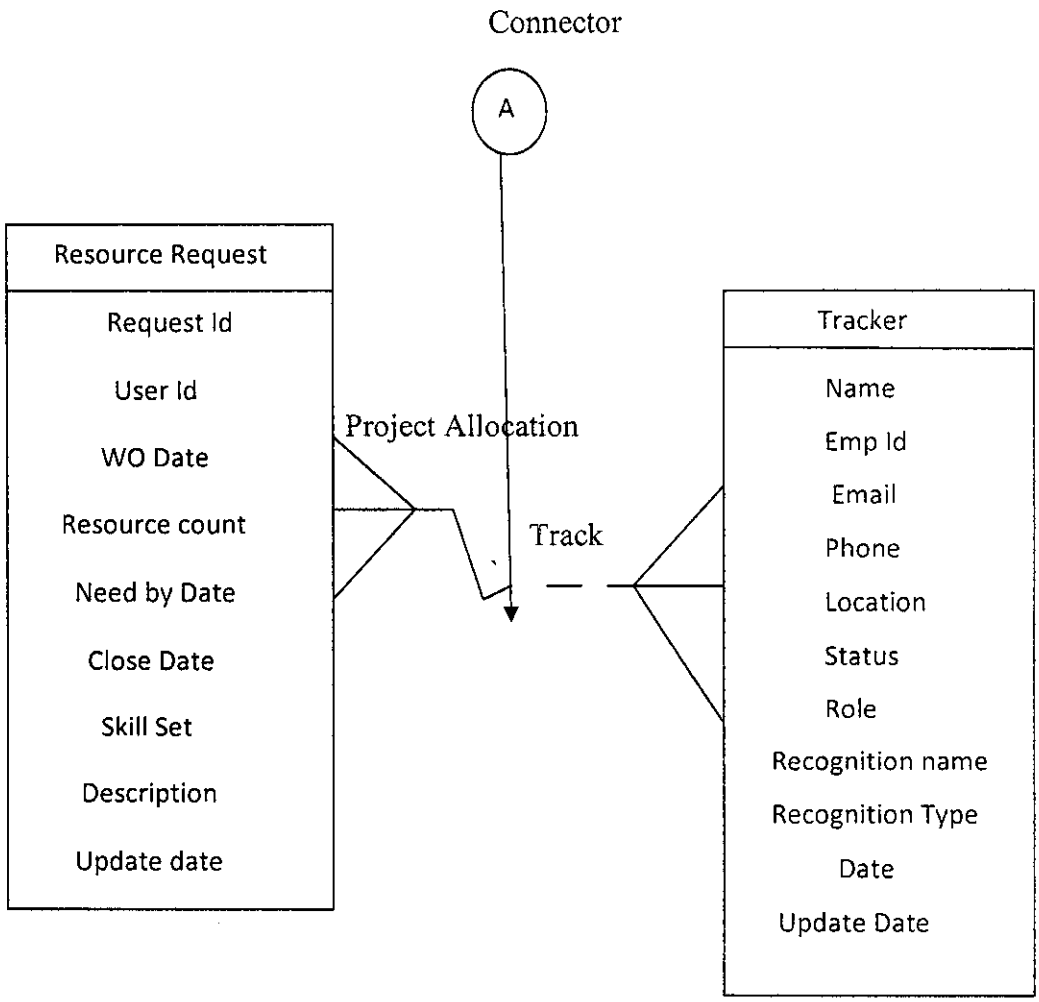
KCT LIBRARY Coimbatore
P-2262

[Fig: 4.1.1.1] ***MAINTANANCE OF PATNI COE PORTAL***

4.1.2 Logical Data Design

It defines the entity relationship of the portal in the following figure [fig 4.1.2.1]



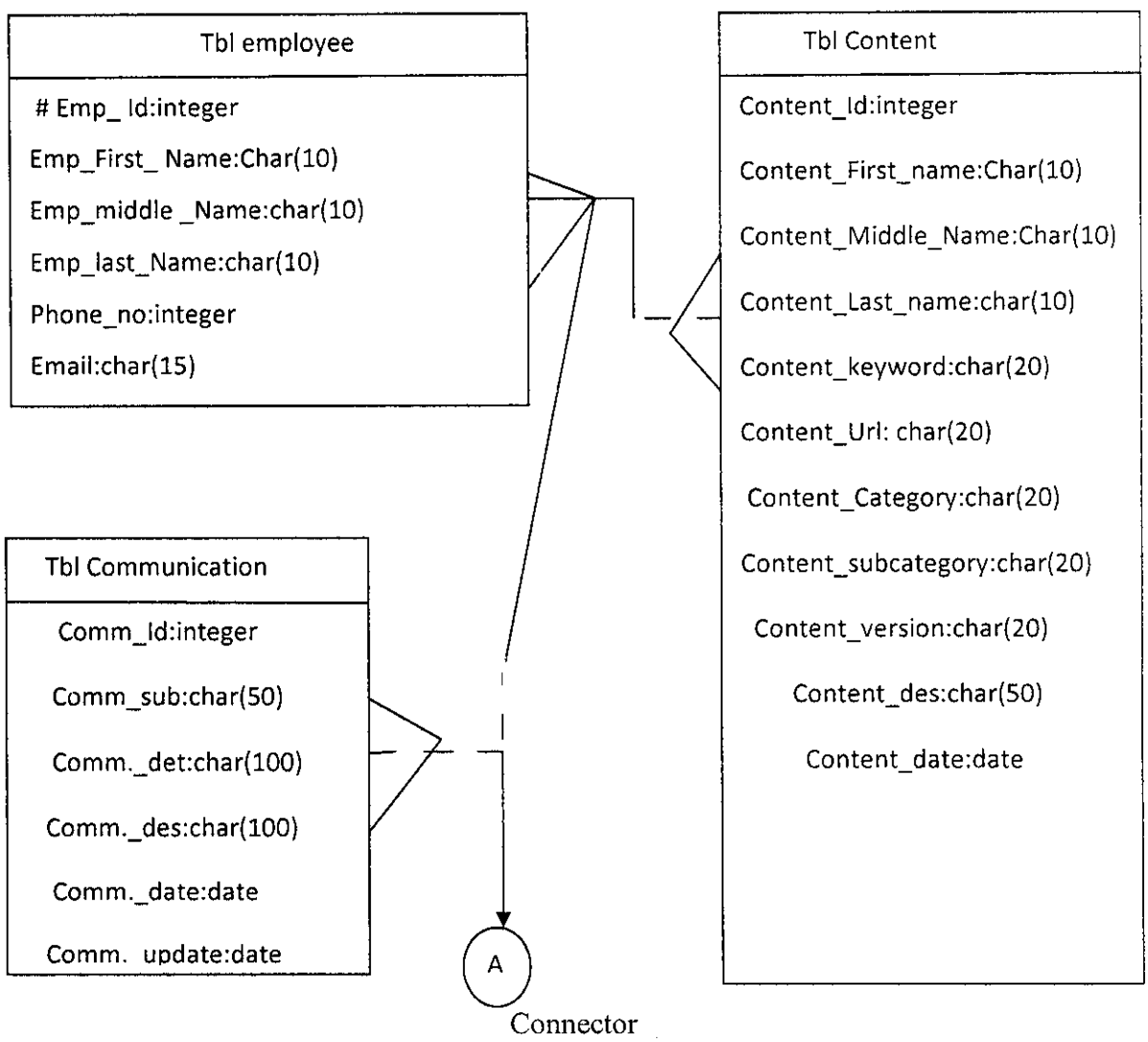


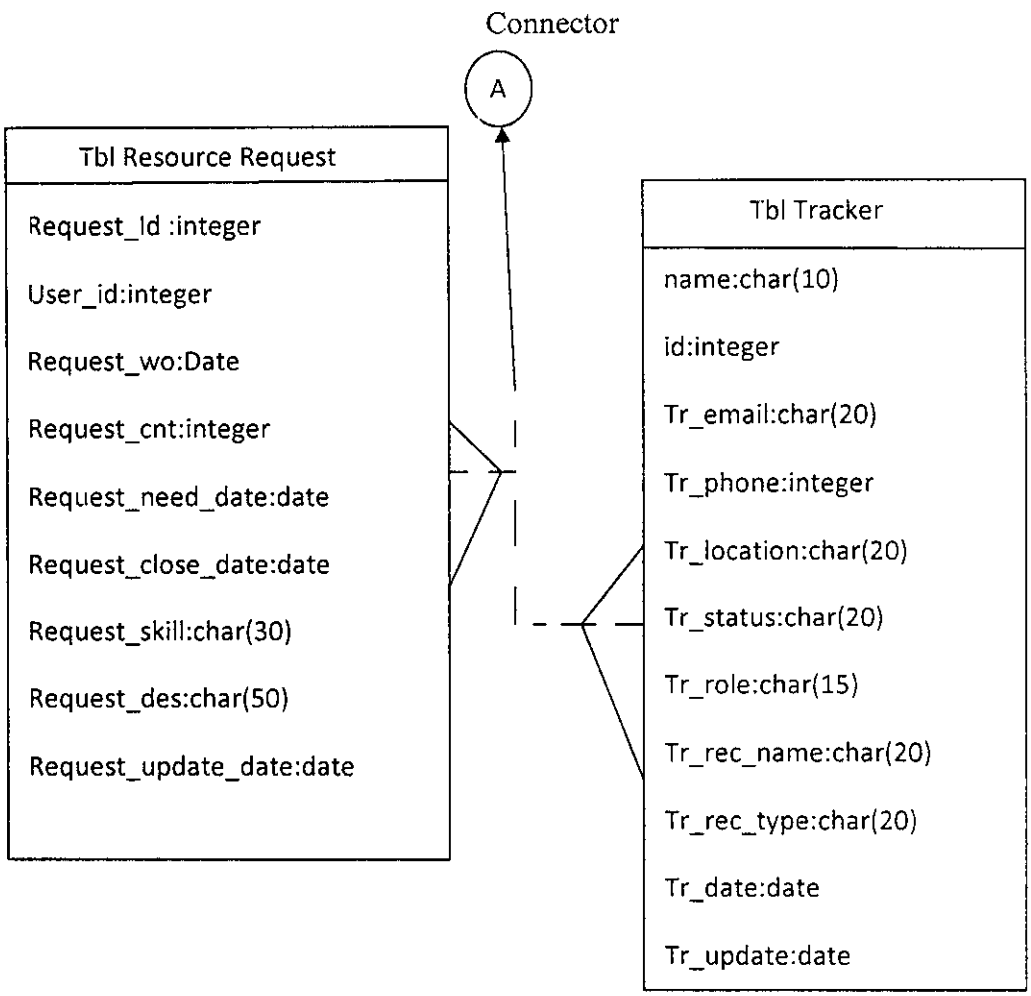
[Fig: 4.1.2.1] ***Logical Data Design***

4.1.3 Physical Data Design

The physical model for the table describes the specification of the tables and the columns where foreign keys are used to find out the relationship between the tables. It is described in the following figure [fig 4.1.3.1]

Physical Design of portal



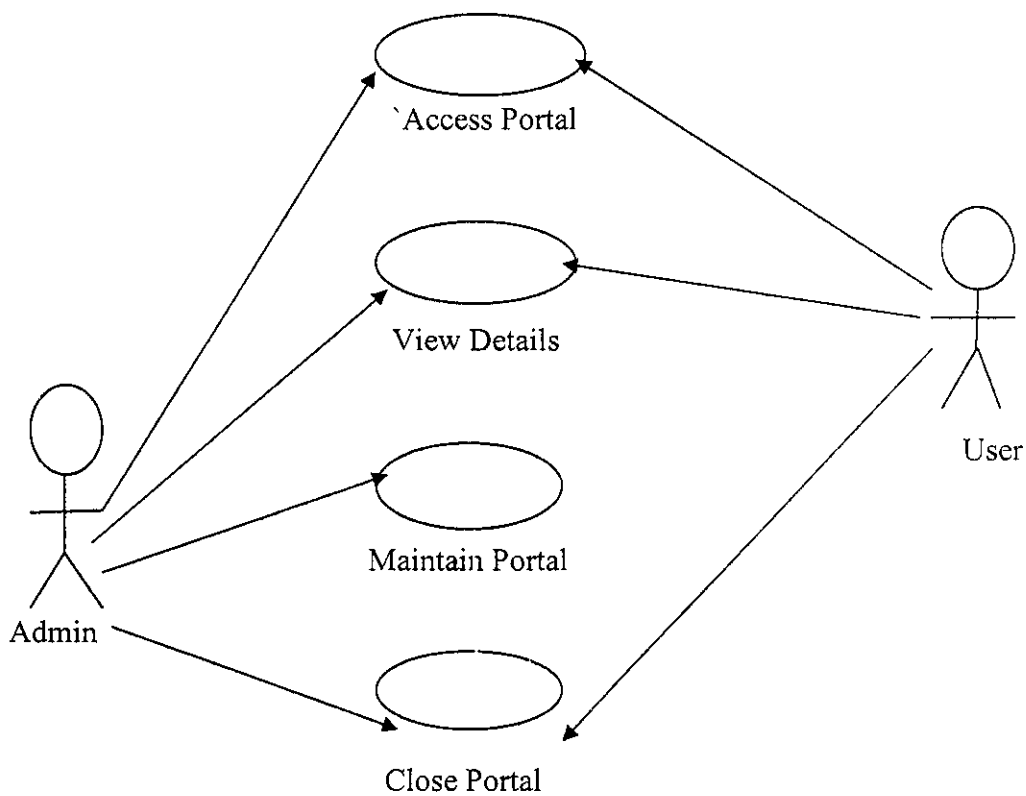


[Fig: 4.1.3.1] ***Physical data design of Patni COE portal***

4.2 Process Model

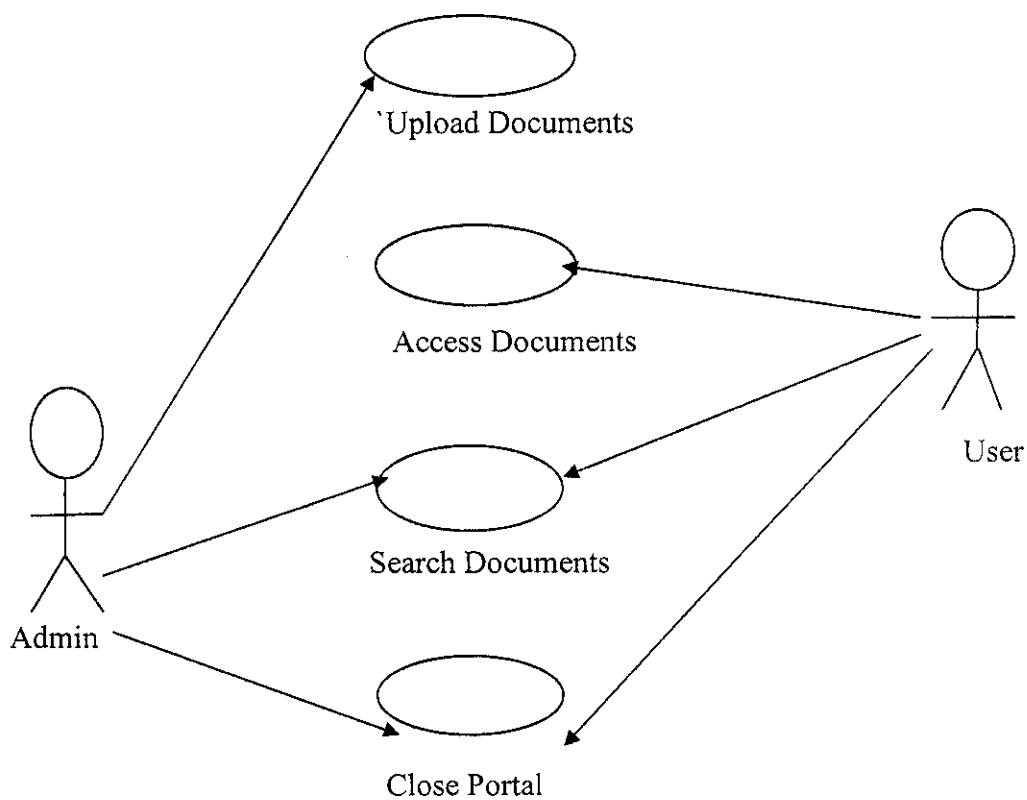
4.2.1 Use case Diagram

The portal is maintained by the administrator, the internal user accesses the portal. In this process, the user and the administrator view details from the portal, administrator maintains all the portal details, it is shown in the following [fig 4.2.1.1]



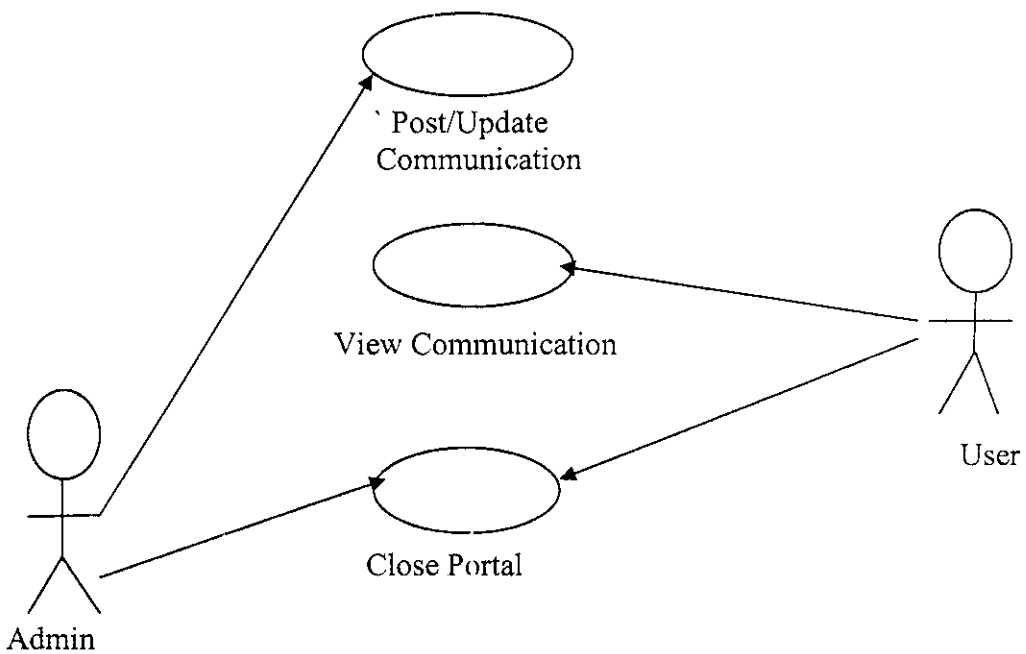
[Fig: 4.2.1.1] Maintain portal Details

The content details are maintained as the documents of the employees and the project details are uploaded into the portal by the administrator and the internal user can download and store the documents. This portal helps searching process as any type of documents can be searched by the users of the system. The content details are shown in the following figure [fig: 4.2.1.2]



[Fig: 4.2.1.2] Maintain Content Details

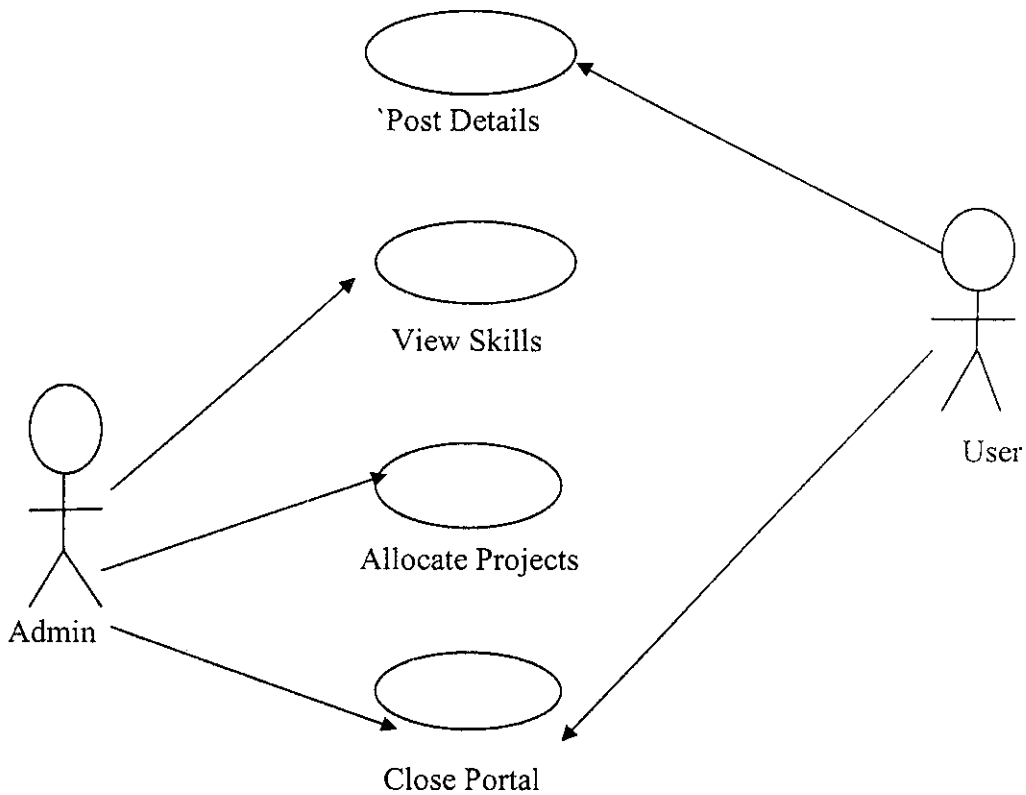
Communication details are displayed in the portal, so the user can easily view the data as it consumes time for all the users, the administrator posts any type of communication on the portal, the process for maintaining communication is shown in the following figure [fig:4.2.1.3]



[Fig: 4.2.1.3] Maintain Communication

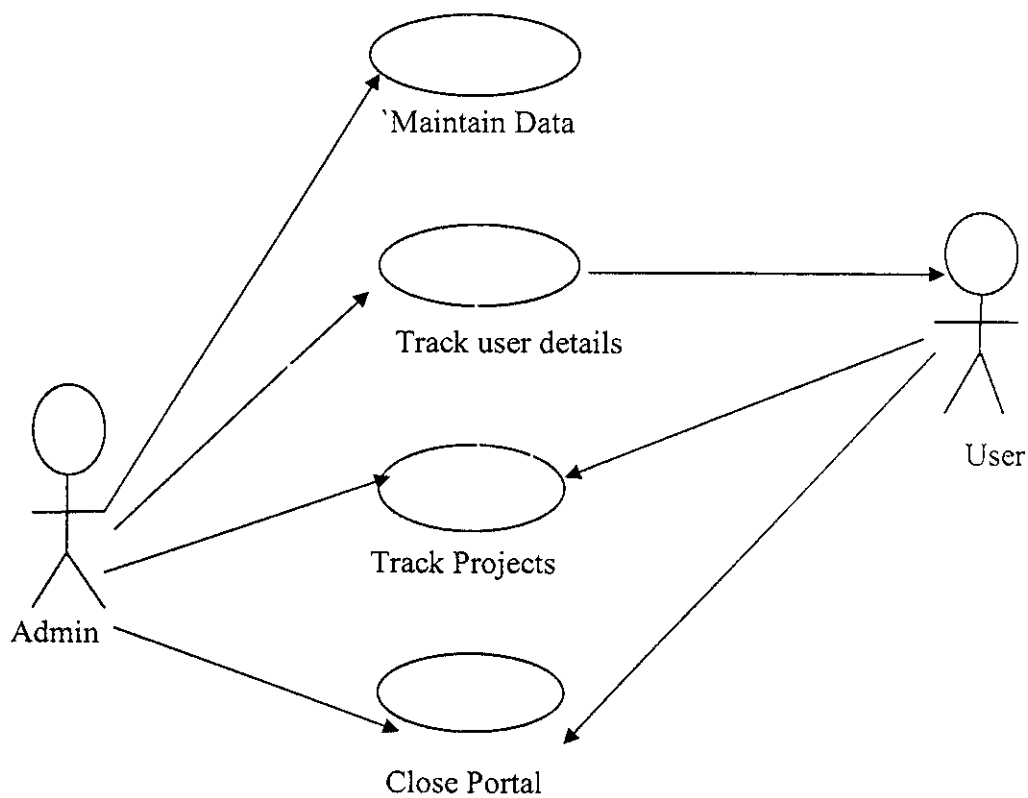
Each user closes the portal after viewing the details, the communication can also be updated for any changes, after the completion of the communication the details are deleted by the administrator

The projects for the finance business unit are stored in this intranet portal; all the details of the employees are stored in the database as the project manager will allocate the projects according to the skills of the employees, the resource request details are shown in the following figure[fig: 4.2.1.4]



[Fig: 4.2.1.4] Maintain Resource Request

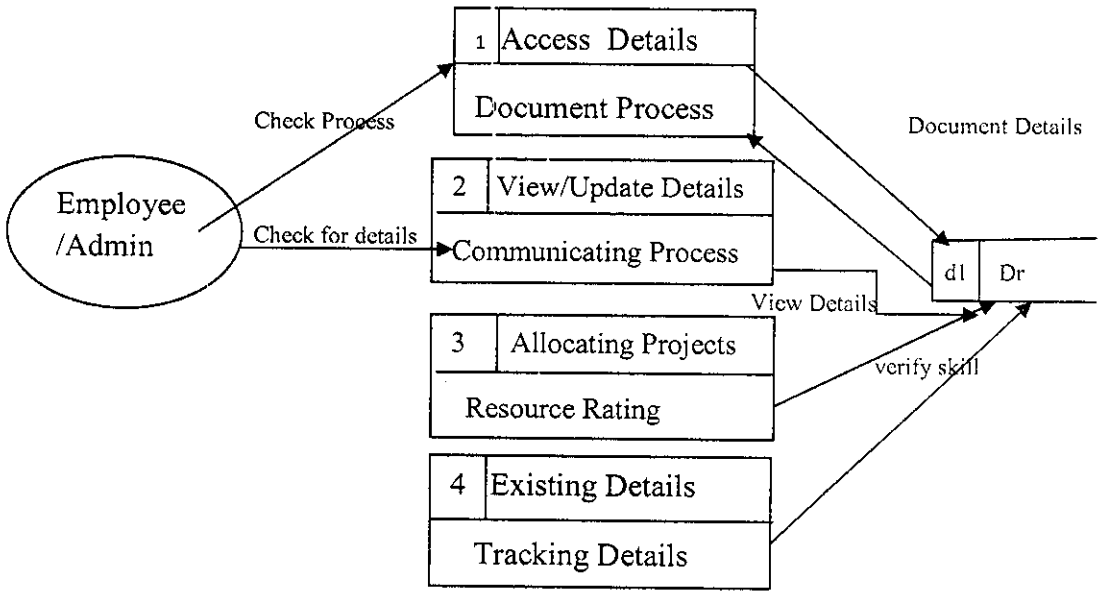
Tracker is the main advantage of the portal as all the details can be tracked, all the information uploaded are stored as the documents can be retrieved by any internal user, the projects completed, existing, and the new projects are also stored to track the details, the administrator maintains the system to track the history details. It is shown from the following figure [fig: 4.2.1.5]



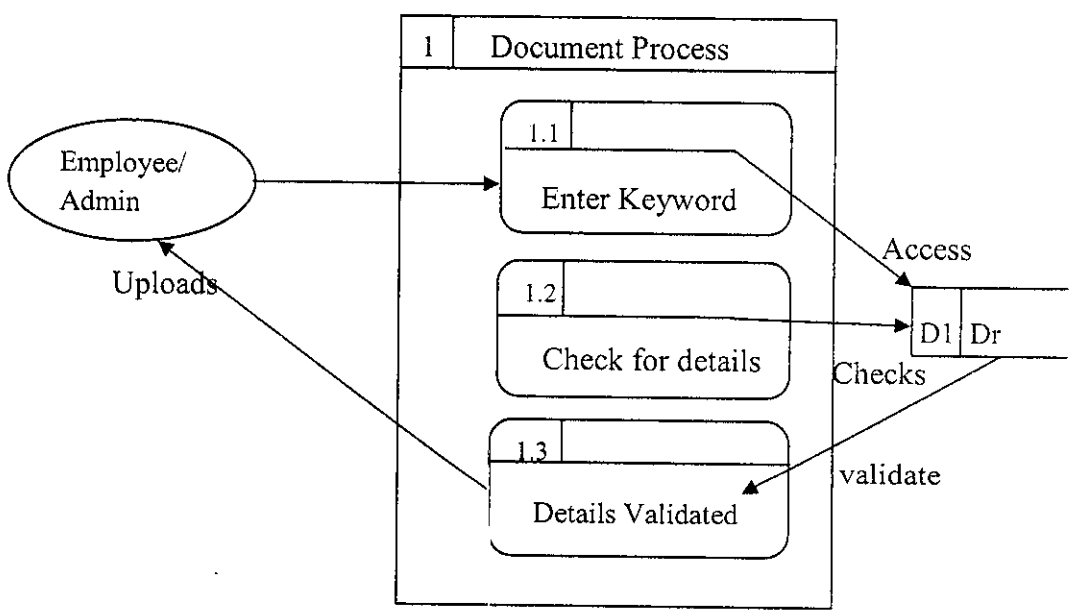
[Fig: 4.2.1.5] Tracking Data

The intranet portal maintains a knowledge sharing as any type of the user in the finance business unit can access the system

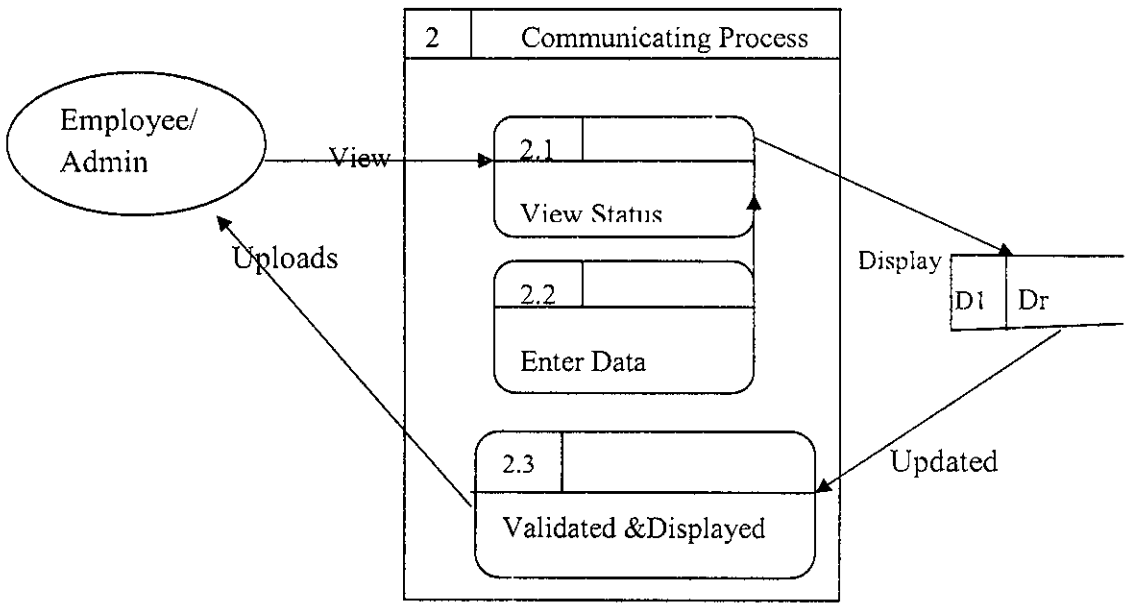
4.2.2 Data Flow Diagram



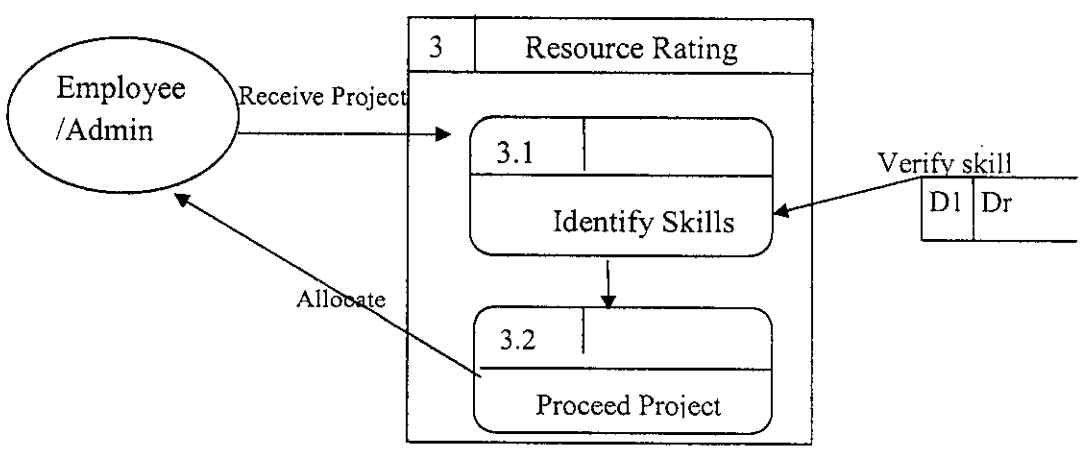
[Fig: 4.2.2.1] **Patni COE Portal**



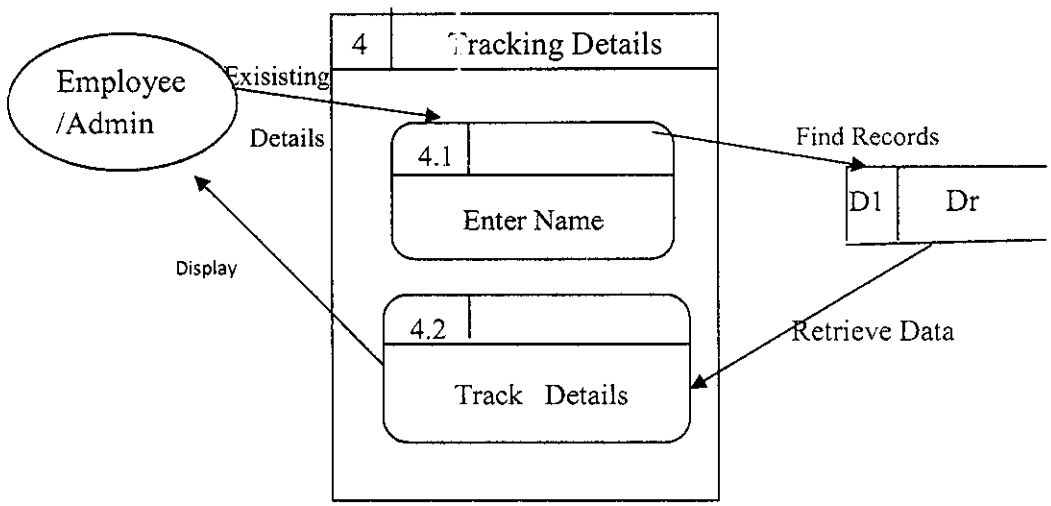
[Fig: 4.2.2.2] **Upload and Access Details**



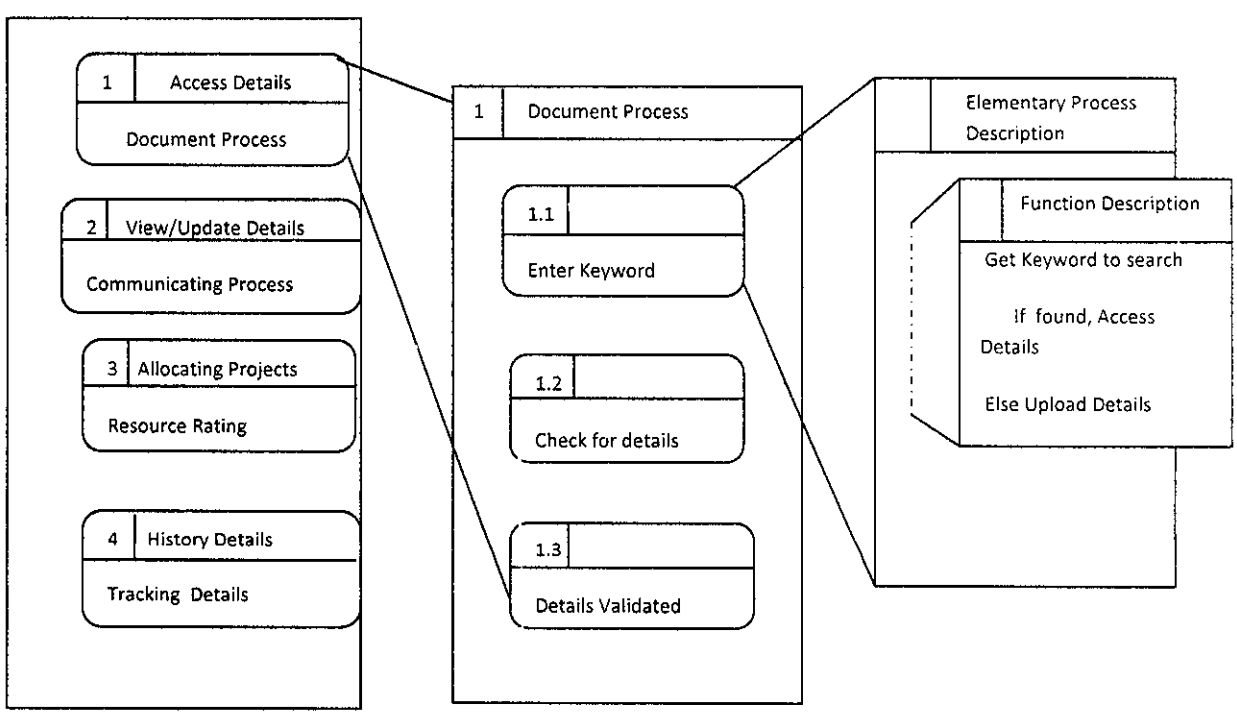
[Fig: 4.2.2.3] **Maintain Communication Details**



[Fig: 2.2.2.4] **Resource Rating**

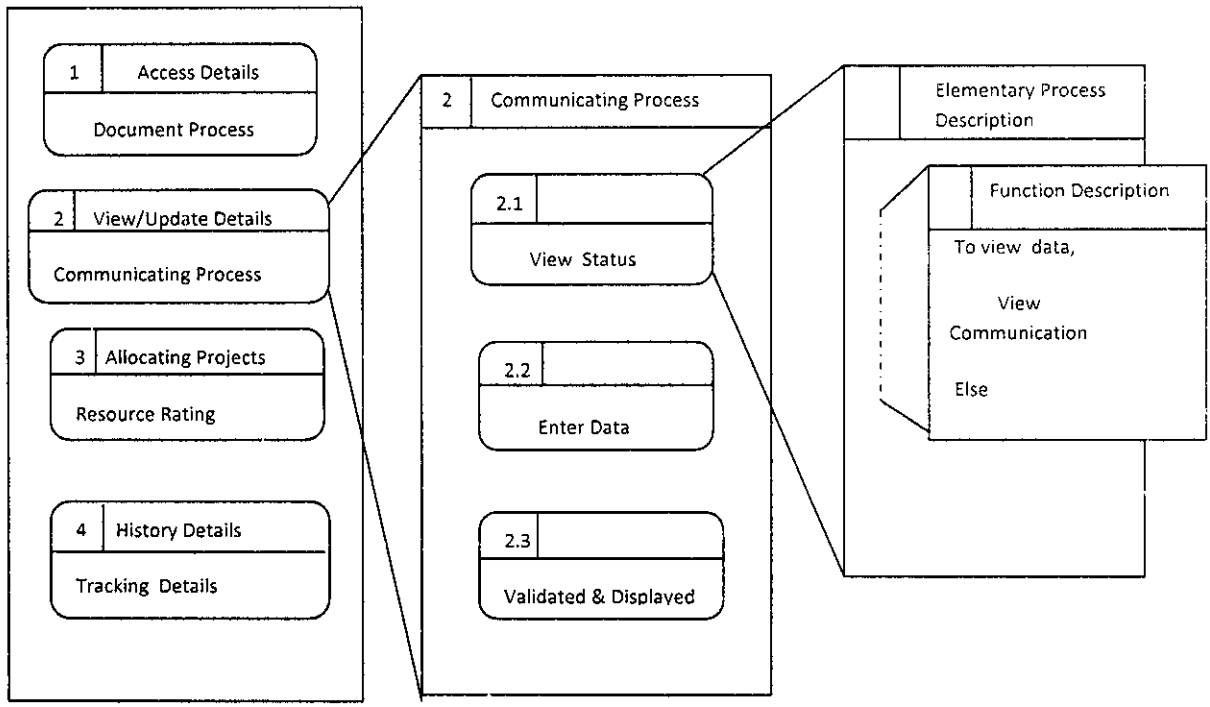


[Fig: 2.2.2.5] **Tracking History Details**



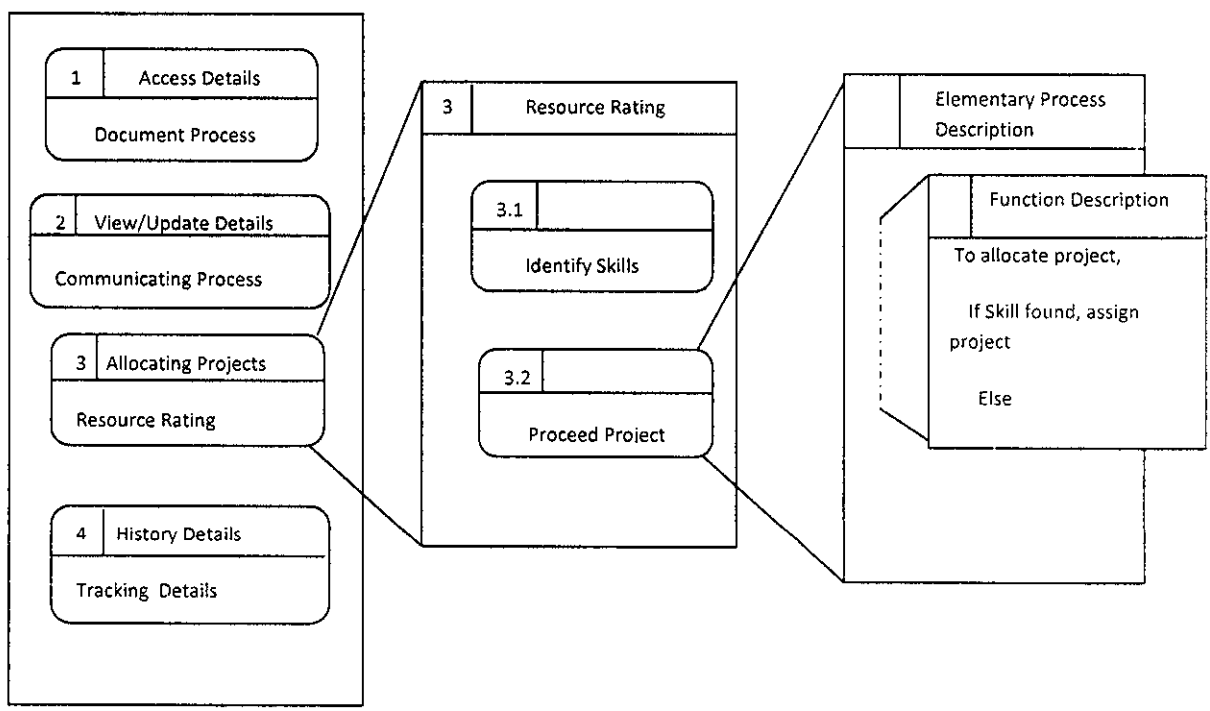
[Fig: **2.2.2.6**]

ELEMENTARY PROCESS DESCRIPTON: Access Details



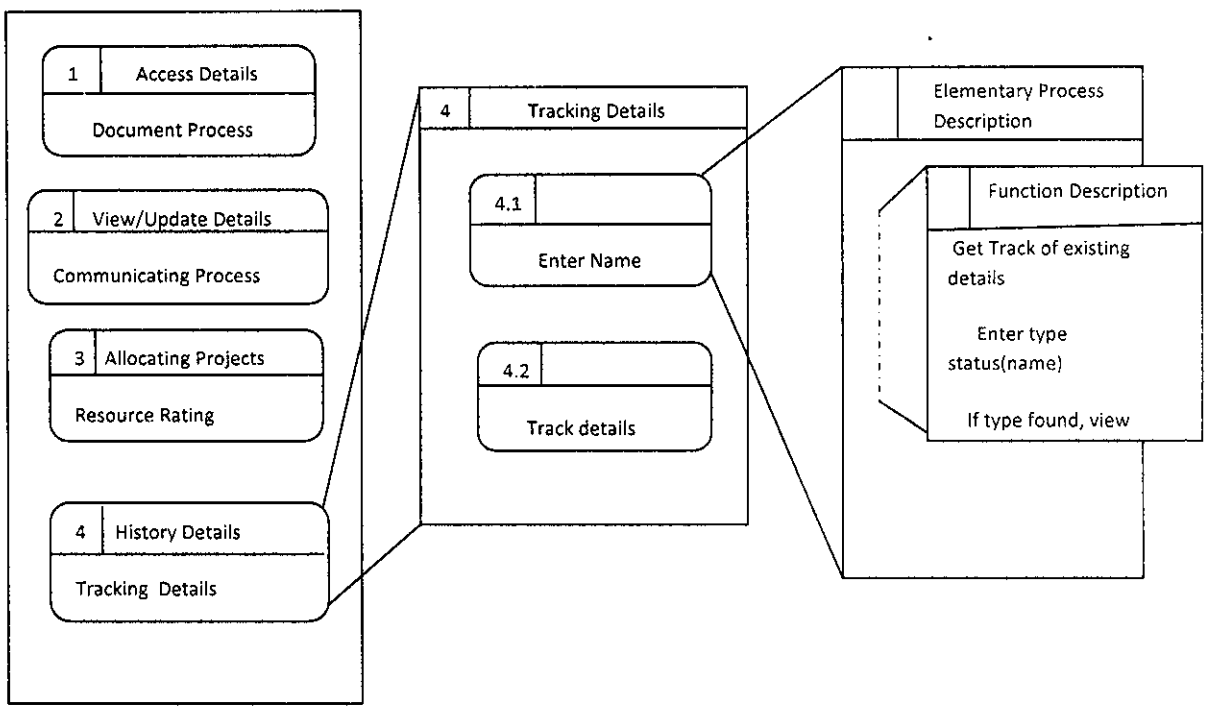
[Fig: 2.2.2.7] **ELEMENTARY PROCESS DESCRIPTION:**

Maintain communication



[Fig: 2.2.2.8] **ELEMENTARY PROCESS DESCRIPTION:**

Resource Rating



[Fig: 2.2.2.9] **ELEMENTARY PROCESS DESCRIPTION:**

Track Existing Details

CHAPTER 5

ARCHITECTURAL DETAILS

5.1 n –tier Architecture

Many elements need to be considered when deciding on the architecture of the application, such as performance, scalability and future development issues

An n-Tier application usually has three tiers, and they are called the presentation tier, the business tier and the data tier. Let's have a look at what each tier is responsible for.

Business Tier

Business Tier is the layer responsible for accessing the data tier to retrieve, modify and delete data to and from the data tier and send the results to the presentation tier. This layer is also responsible for processing the data retrieved and sent to the presentation layer.

In ASP.NET it includes using SqlClient or OleDb objects to retrieve, update and delete data from SQL Server or Access databases, and also passing the data retrieved to the presentation layer in a DataReader or DataSet object, or a custom collection object. It might also include the sending of just an integer, but the integer would have been calculated using the data in the data tier such as the number of records a table has.

BLL and DAL

This layer is divided into two sub layers: the Business Logic Layer (BLL), and the Data Access Layers (DAL). Business Logic Layers are above Data Access Layers, meaning BLL uses DAL classes and objects. DAL is responsible for accessing data and forwarding it to BLL.

In ASP.NET the project will be using SqlClient to retrieve the data and sending it to BLL in the form of a Dataset or Data Reader. BLL is responsible for preparing or processing the data retrieved and sends it to the presentation layer.

In ASP.NET, it might be using the Dataset and Data Reader objects to fill up a custom collection or process it to come up with a value, and then sending it to Presentation Layer. BLL sometimes works as just transparent layer. For example, if you want to pass a DataSet or Data Reader object directly to the presentation layer.

Data Tier

Data tier is the database or the source of the data itself. Often in .NET it's an SQL Server or Access database, however it's not limited to just those. It could also be Oracle, mySQL or even XML. The Project Patni COE Portal will focus on SQL Server, as it has been proven to be the fastest database within a .NET Application.

CHAPTER 6

TESTING

The classical strategy for testing computer software begins with "testing in the small" and works outward toward "testing in large". So we begin with unit testing, then progress towards integration testing, and culminate with validation and system testing

6.1 Unit Testing

Unit testing focuses verification effort on the smallest unit of software design, software component or module, each and every form in the project is nothing but a class, each class is a smallest unit and we are testing all the classes like base class, child class, friend class etc..

All forms like knowledge management, communication center, resource request, and history tracking are tested individually for their source code correctness and perfection

6.2 Integration Testing

Integration testing tests the process of integrating the various modules to form the completed system. When we are intending to integrate all the modules together to get a complete project, we will face some integration errors ie. Problem interconnecting with other modules

To find and recover those integration errors and to get an error free project, the project is undergoing the integration testing .we are integrating all the modules in the knowledge management, patni section, communication center, resource request with the issuing authority module which forms the project as a complete system

6.3 System Testing

System testing is actually a series of different tests whose primary purpose is to fully exercise the computer based system. Although each test has a different purpose, all work to verify that system has been properly integrated and perform allocated functions

Patni COE portal is tested in variety of ways to know whether there is a failure of software and what the way to recover it is. Also, it is tested for its security and protection mechanisms built into proper and powerful to protect the system from improper penetration

Finally, the software is tested for its run-time performance within the context of an integrated system

6.4 Test Case Reports

S. No	*Test Case name*	*Test Procedure*	*Pre condition*	*Expected Result*	*Results*
1	Emp Id	If input field is blank	Null	Emp id is given with a limit of 8 digits	Passed
2	Keyword	if input field is blank	Null	Required field validator validates the id	Passed
3	Communication details	if input field is blank	Null	Required field validator validates the id	Passed
4	Login type	Select one location	Null	Required field validator validates the id	Passed

5	Username	if input field is blank	Null	Required field validator validates the id	Passed
6	Recognition Type	Select one location	Null	Required field validator validates the id	Passed
7	Password	if input field is blank	Null	Required field validator validates the id	Passed
8	URL	Browse the location	Null	Required field validator validates the id	Passed
9	Communication description	if input field is blank	Null	Required field validator validates the id	Passed
10	Date	if input field is blank	Null	Required field validator validates the id	Passed

CHAPTER 7

PERFORMANCE AND LIMITATIONS

7.1 Merits of the System

The system benefits the users to access any type of the information and helps in sharing the knowledge among the users of the portal. The advantage of the system is

- Performance
- Maintenance
- Scalability
- Site Feature
- Personalization and customization

The maintenance of the system helps the users to retrieve any details from the portal. This intranet portal enables the FSBU users to update and download any type of information

7.2 Limitations of the System

The patni COE portal helps to retrieve all the details from the portal but the system is limited to some features

- Communication information are uploaded by the Administrator
- Access of portal features is limited to internal users
- Intranet portal is limited to FSBU users

The contributor can upload their details but cannot upload any type of communication as the feature will not be available to the users. Only the administrator has the complete rights to make any changes to the intranet portal

7.3 Future Enhancements

The future enhancement of the system is

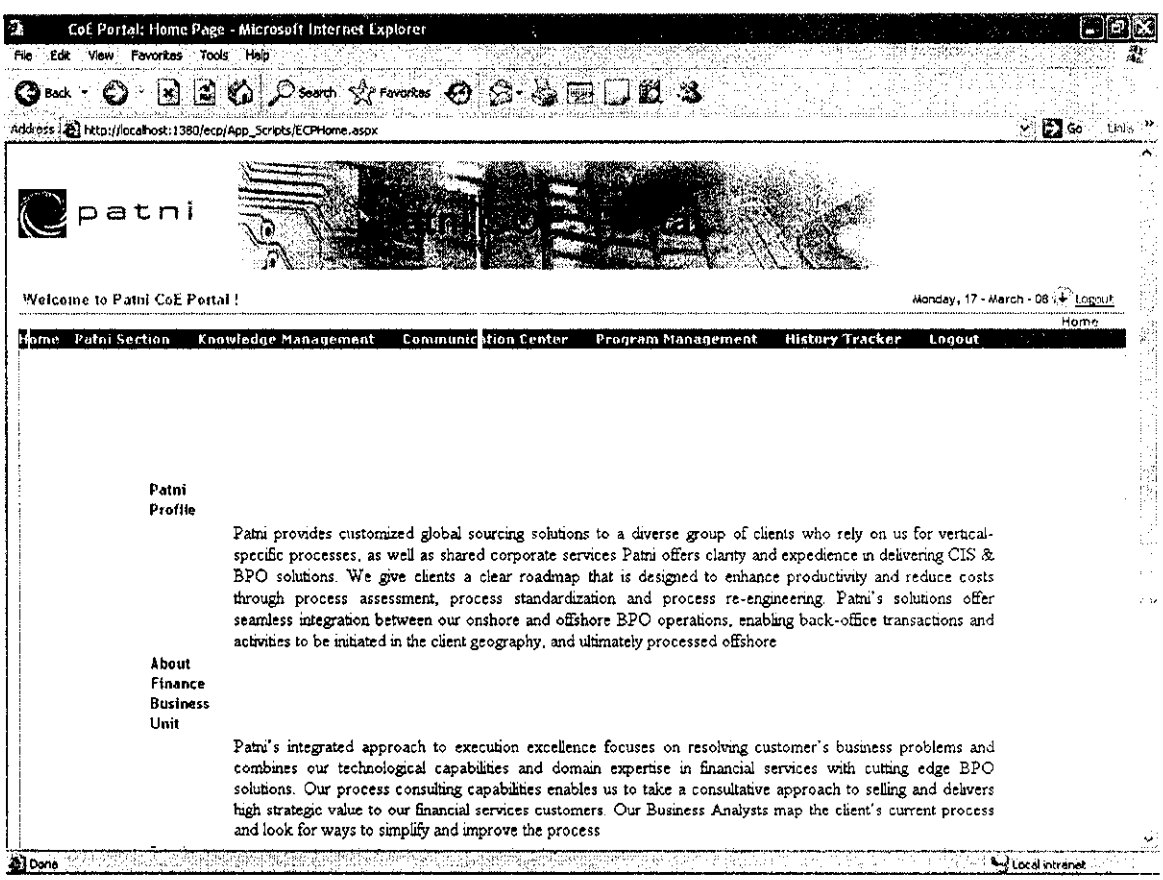
- ✓ To enhance the whole details of the employee including in the portal permanent employee, temporary employee, increment of the salary
- ✓ To display the employee details and the project details in the form of graphical form
- ✓ To include this COE portal in the patni intranet portal

CHAPTER 8

APPENDICES

8.1 Sample Screens

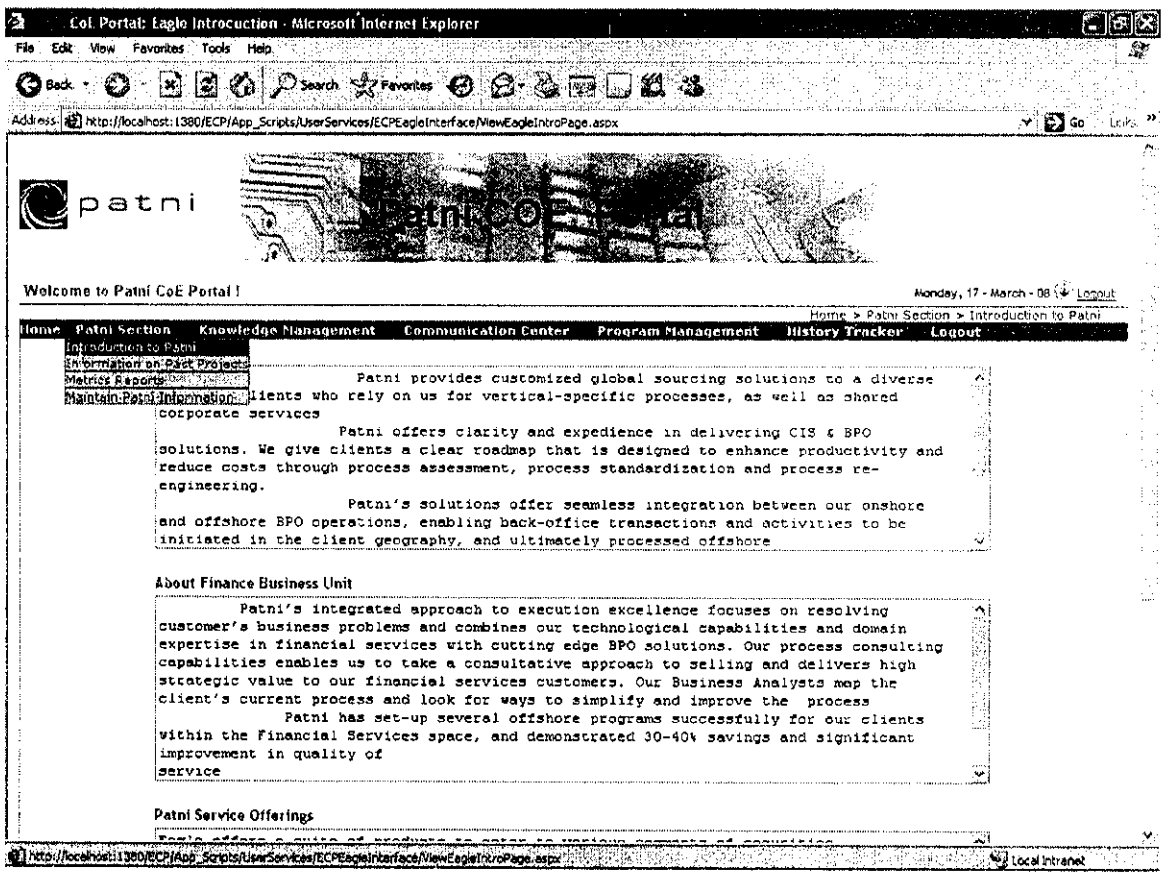
The users are either logged as admin or an internal user. After the portal gets logged, it displays the home page as follows:



The portal displays all the modules as the home or the first page of the portal .Home page displays the patni profile and about the Finance Business Unit

Patni Section

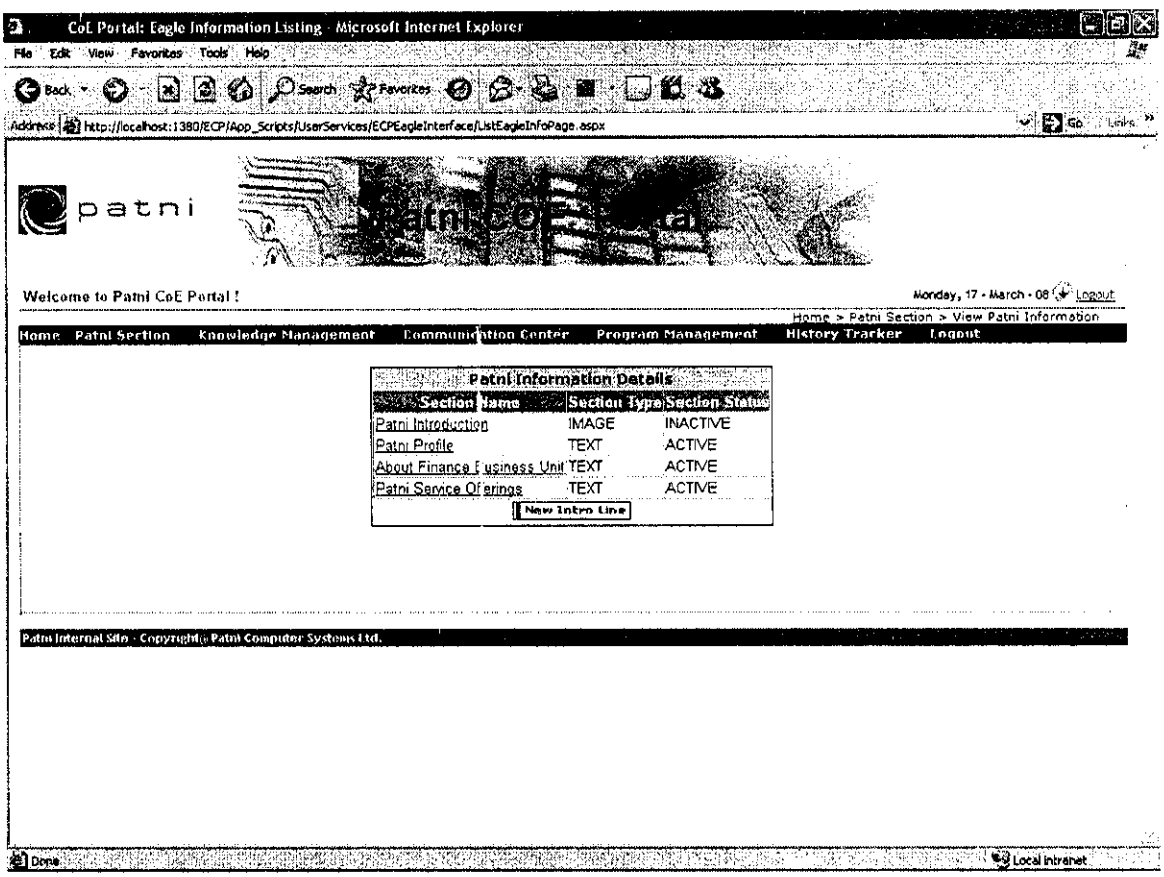
This module is divided into sub modules as each sub module displays its features as follows:



The Portal enables all the sub modules, patni introduction can be viewed completely

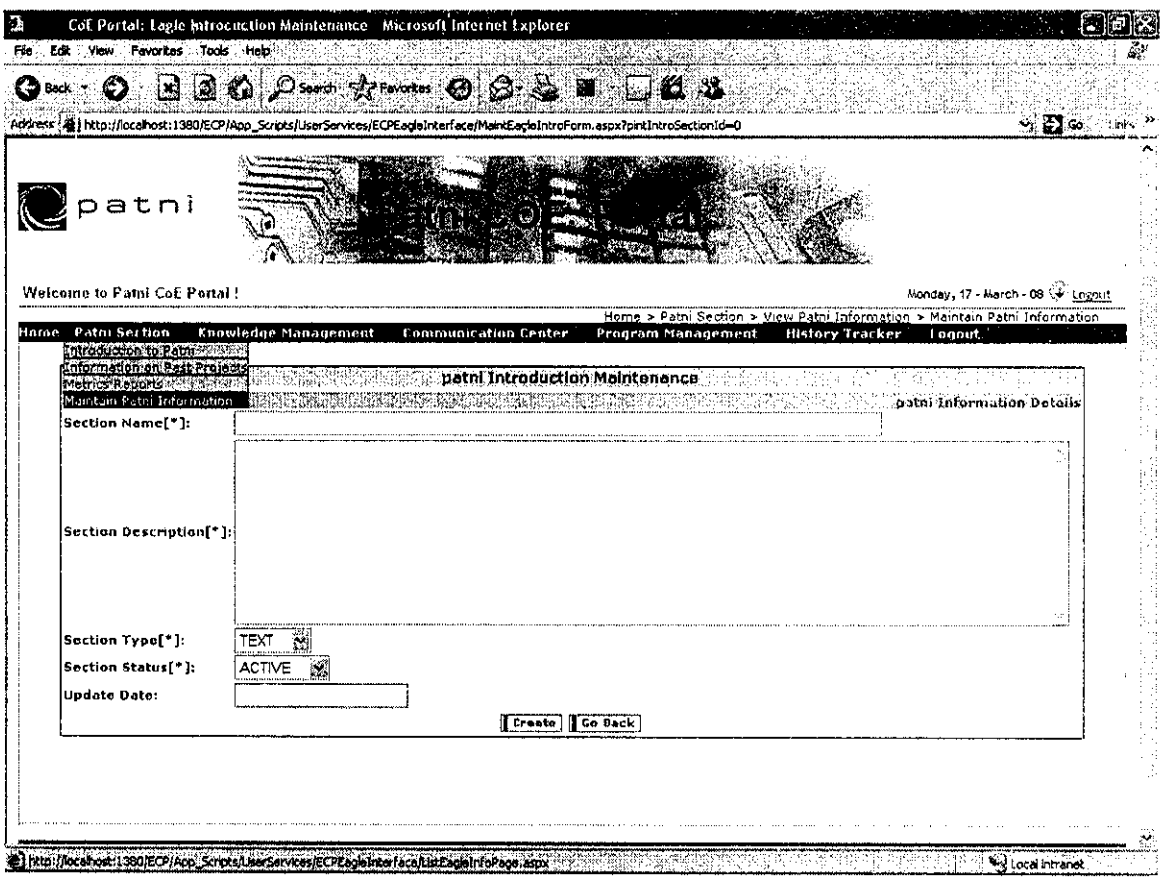
Maintain Portal

The information is maintained by the administrator as the admin has the rights to upload or make any changes, it is shown as follows:



If section names are clicked, modification or new information can be added, if new introduction line is clicked, information can be added.

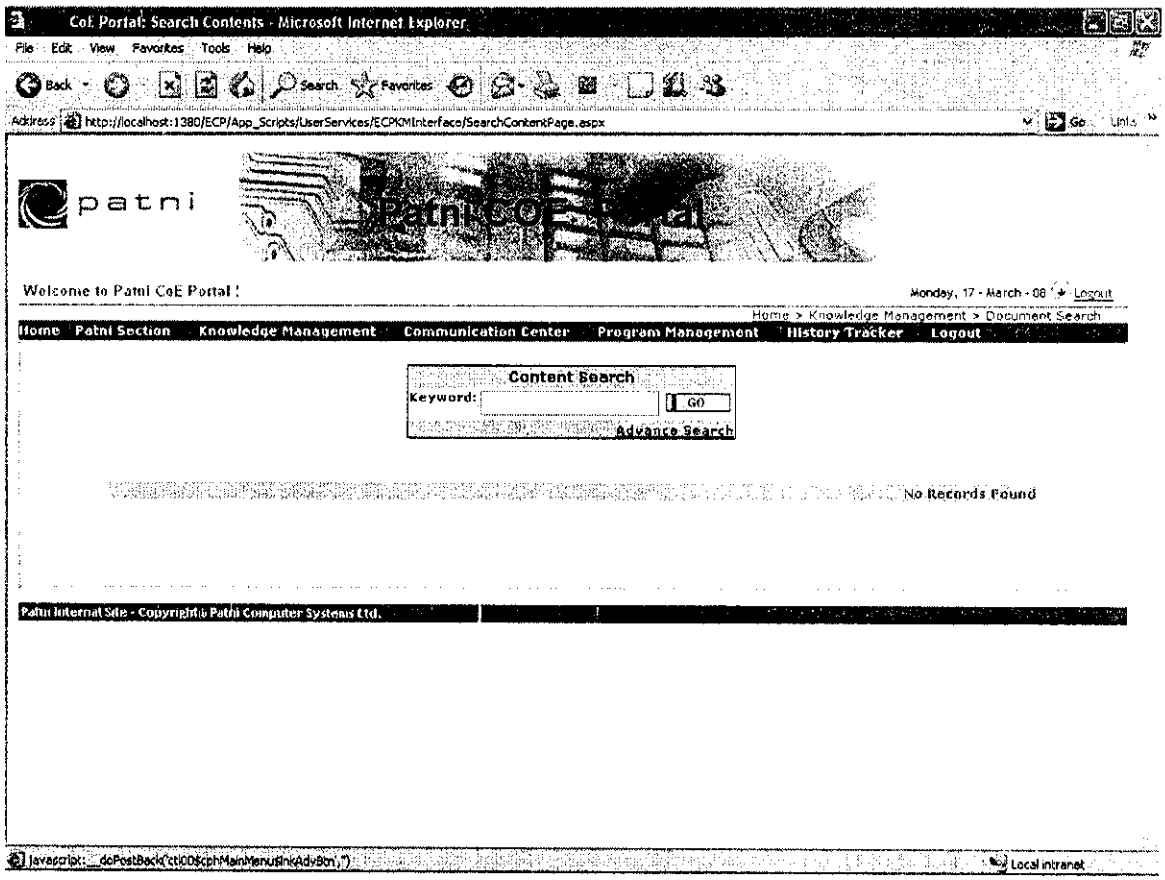
New information can be added to display in the home page,All the details for the patni section can be added in the maintain patni information section as follows:



All the details are entered through this portal and the section type can be given either as text or image and the status can be either can be active or inactive

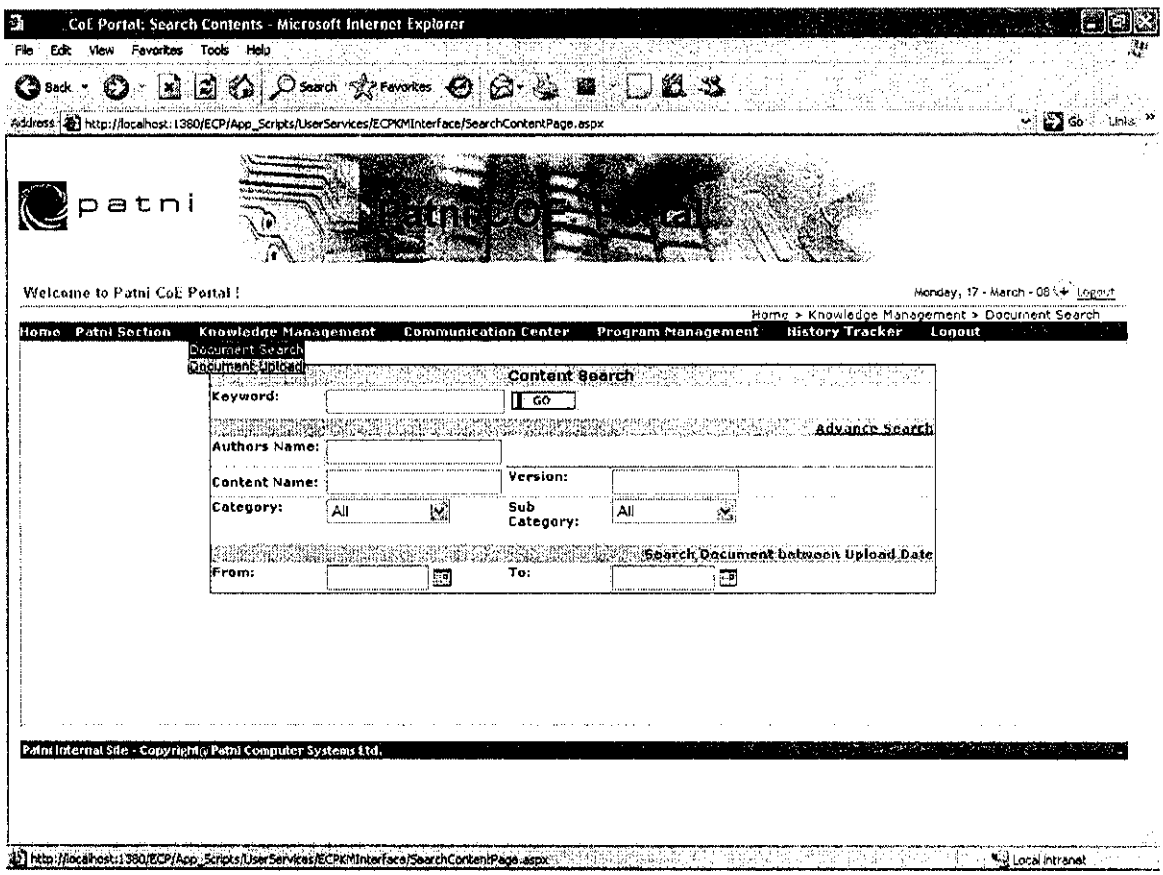
Knowledge Management

This module is divided into upload and search process as both the administrator and the internal user can upload and search documents, it is shown as follows



The document search can be used to search any type of documents by using the keyword and also the advance search option is used by giving the name, category and by giving the date

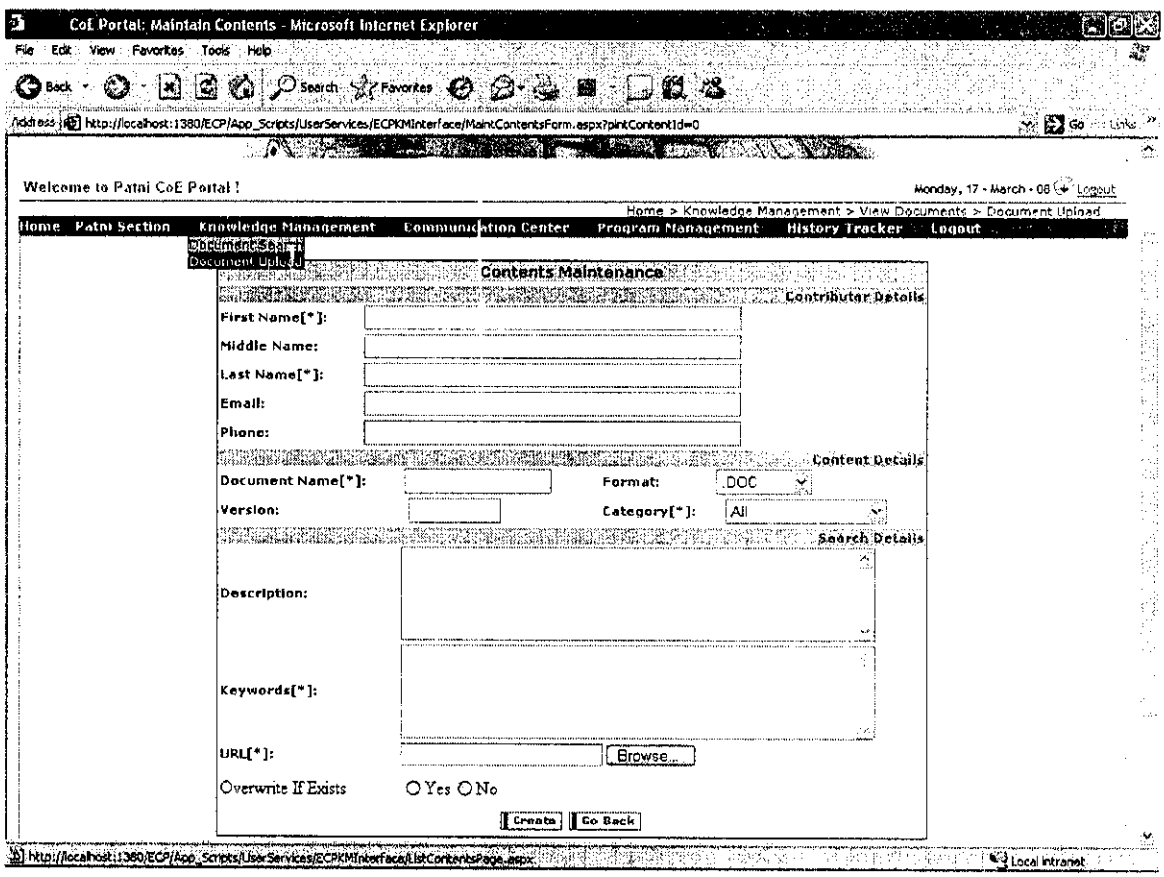
The advance search option gives the advantage of search process by selecting the category and the subcategory and also search between the upload dates, it is shown as follows:



This option enables the user to download the document and can be viewed or stored for the future use

Document Upload

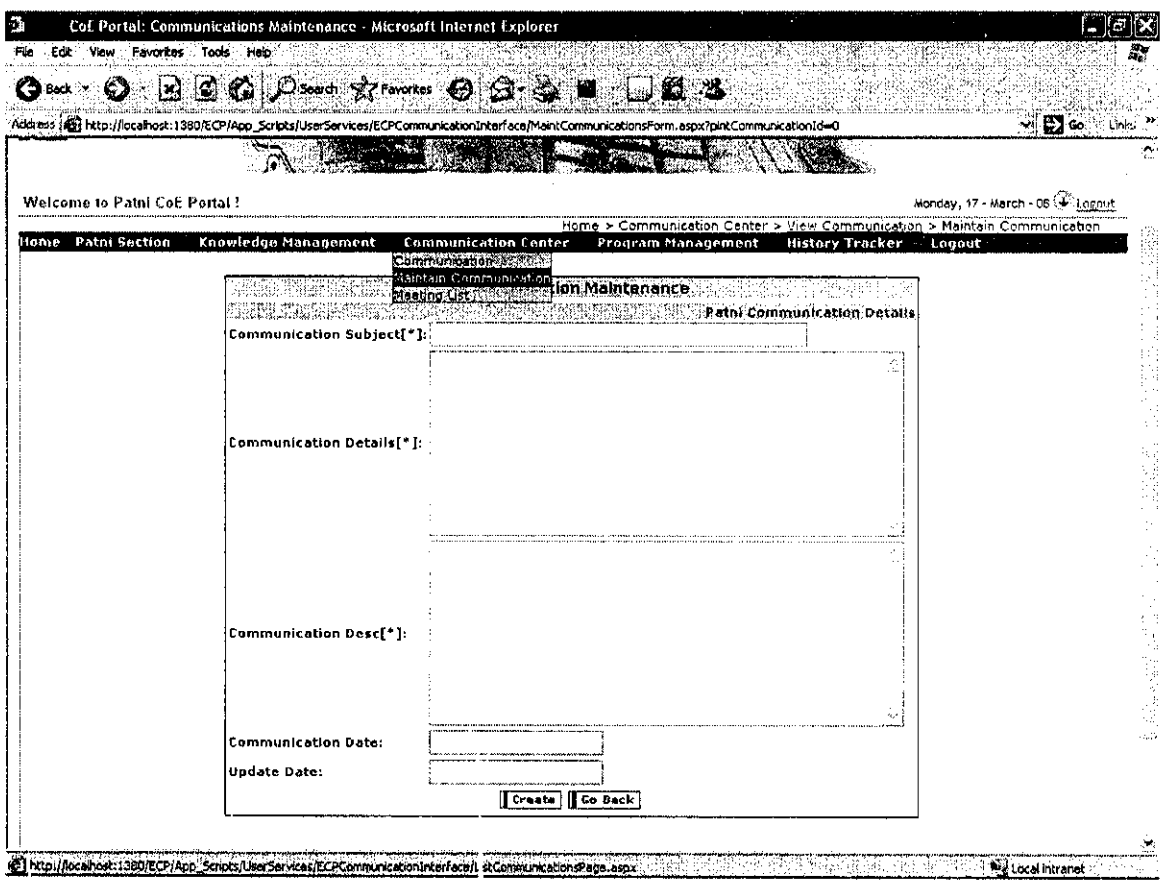
All the user details are uploaded into the portal and keyword is given for easy search of the documents, the documents are added as shown in the below screen shot:



The URL is given to be browsed from the local host which are share by the internal users

Maintain Communication

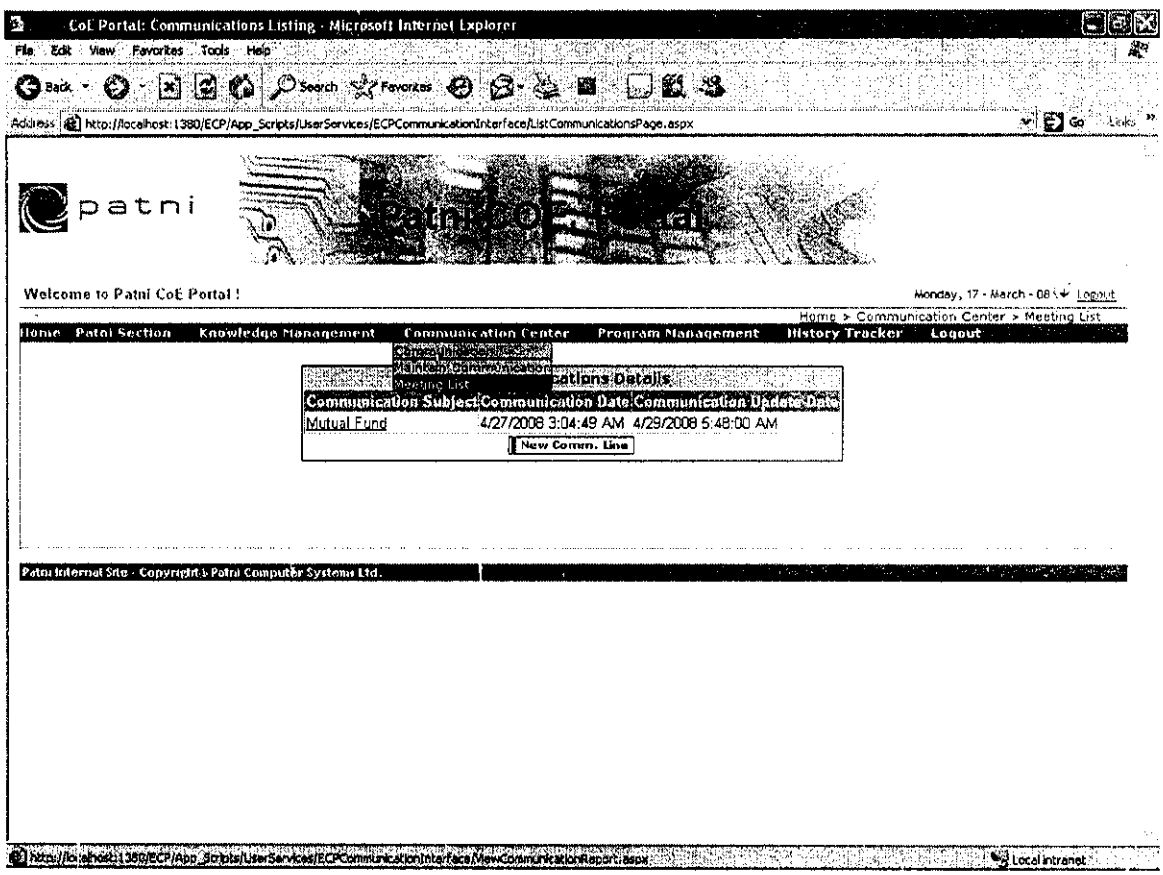
The communication can be viewed through this portal, all the communication details are entered by the administrator from the following screen shot given below:



All the details are entered using this communication maintenance page, the details given are the subject, description and the dates are automatically updated and the create button is given to create the communication

Meeting List

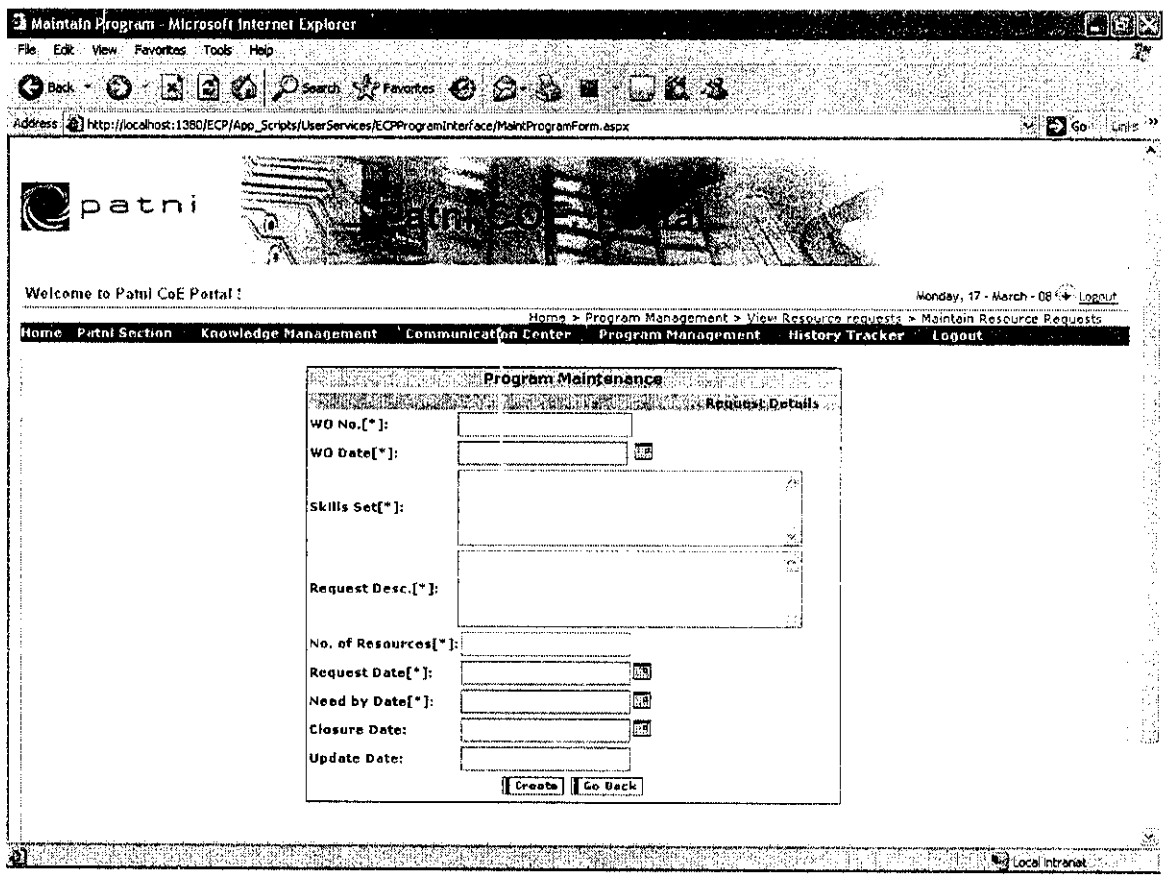
All the communication details are displayed in the portal , the meetings are listed as below:



If the communication subject is clicked, it displays the description as the details, time and date of the meeting to be held

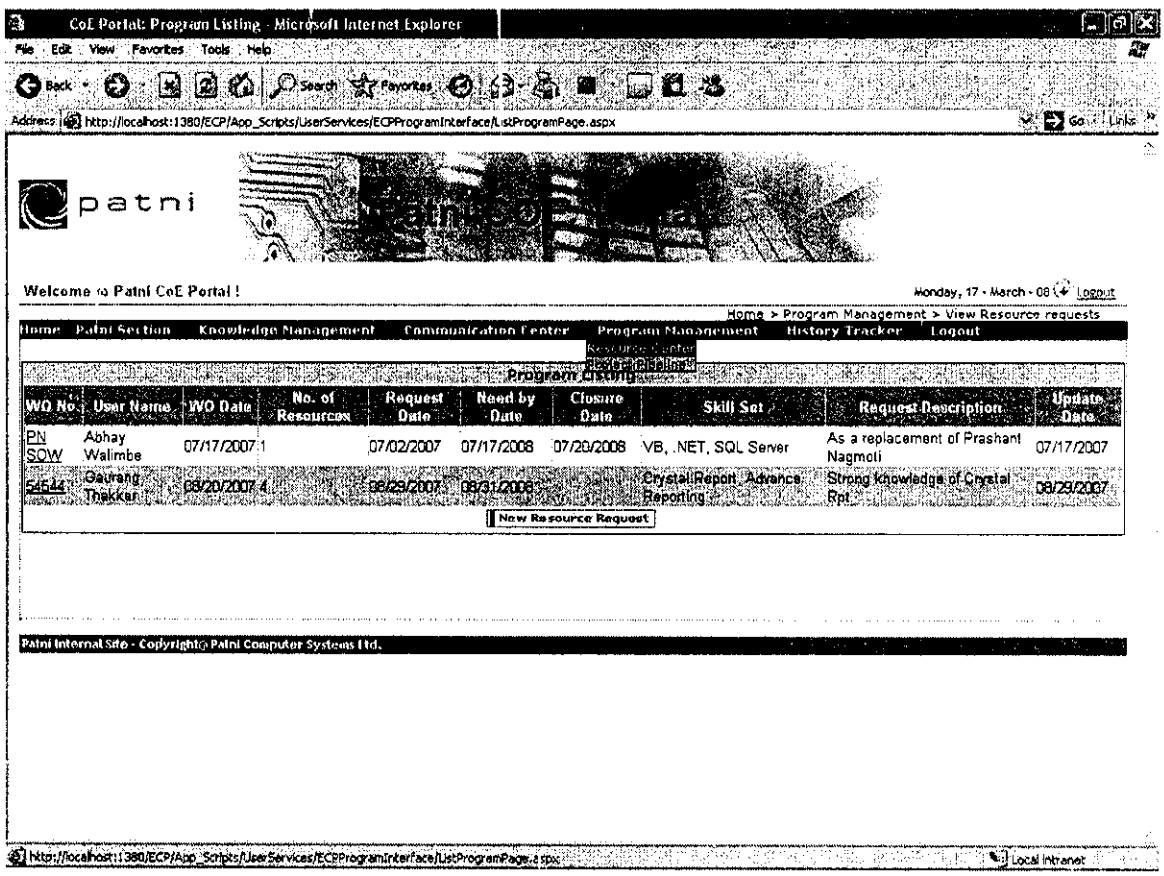
Resource Request

The request details are entered with skill set, resources, request by date, need by date are created as show below:



Each field are entered and the create is clicked to enter a new record to be stored in the database, and the details are displayed in the portal

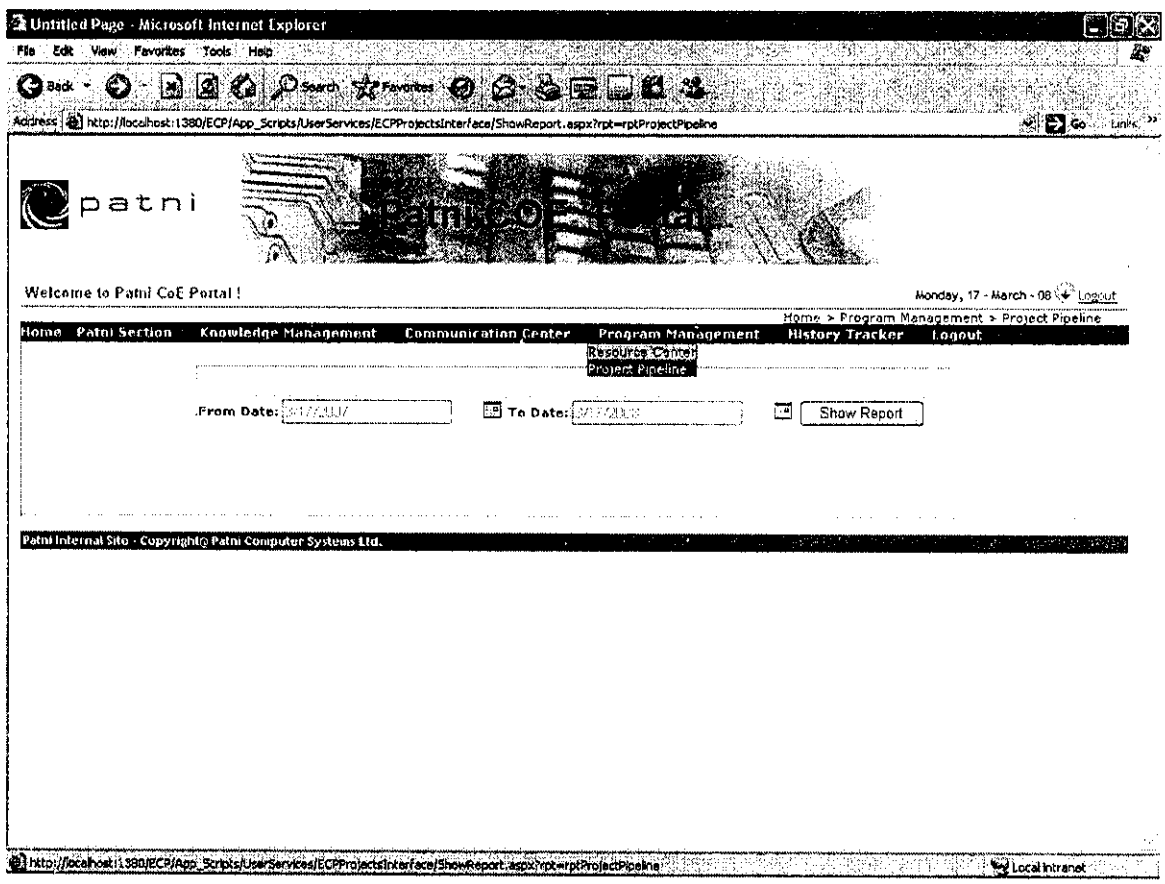
The details are displayed in the portal as each user can view the details from the below screen shot:



The no of resources gives the number of users allocated to complete a particular project. All the details are displayed and the Project manager can see the skill set and allocate the projects

Project Pipeline

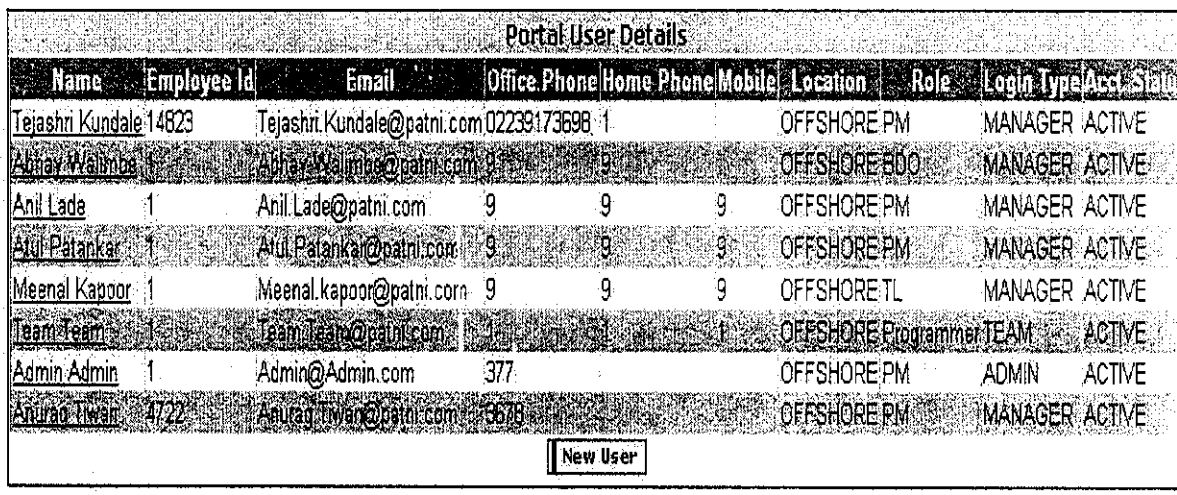
The project pipeline enables the user to view the number of projects completed, existing projects and the newly allocated projects from the below screen shot



The projects can be found out using the from date and to date. To know the completed projects or existing projects, the dates are selected and show report is clicked to view the project details

History Tracker

The tracker maintains the user details, project details, and recognition is maintained and also the user's password can also be changed ,it is listed as follows:



Portal User Details

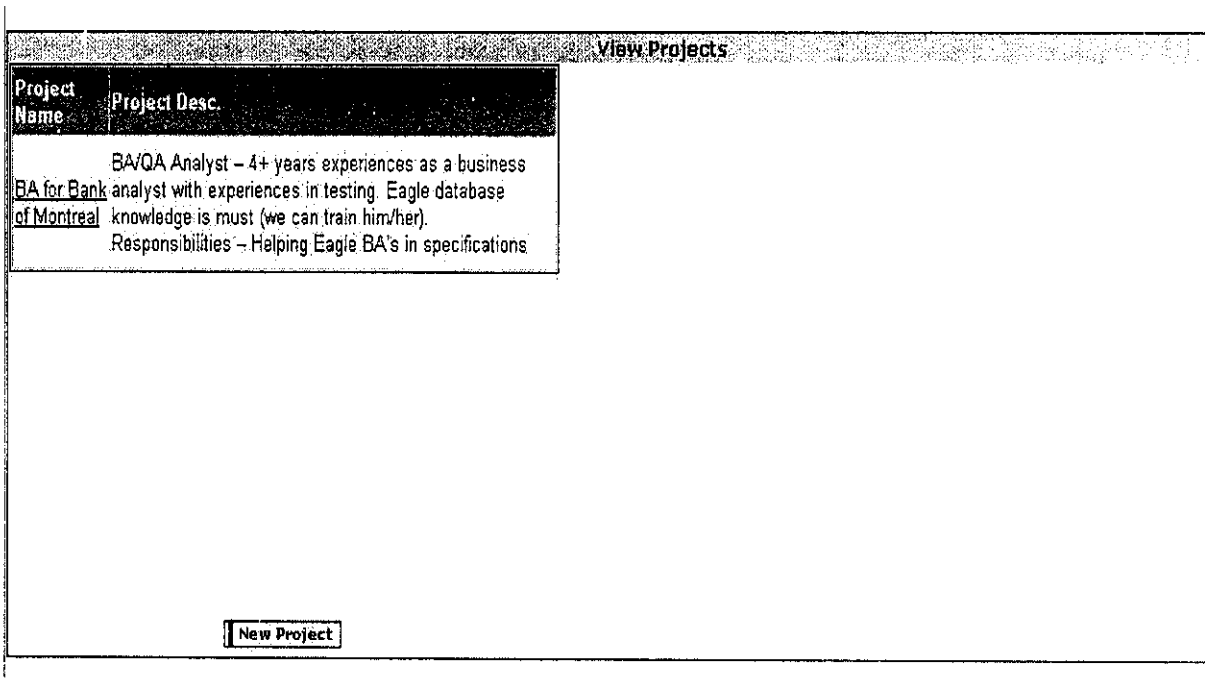
Name	Employee Id	Email	Office Phone	Home Phone	Mobile	Location	Role	Login Type	Acct. Sta
Tejashri Kundale	14823	Tejashri.Kundale@patni.com	02239173698	1		OFFSHORE	PM	MANAGER	ACTIVE
Abhay Walimbe	1	Abhay.Walimbe@patni.com	9	9	9	OFFSHORE	BDO	MANAGER	ACTIVE
Anil Lade	1	Anil.Lade@patni.com	9	9	9	OFFSHORE	PM	MANAGER	ACTIVE
Atul Patankar	1	Atul.Patankar@patni.com	9	9	9	OFFSHORE	PM	MANAGER	ACTIVE
Meenal Kapoor	1	Meenal.kapoor@patni.com	9	9	9	OFFSHORE	TL	MANAGER	ACTIVE
Team Team	1	Team.Team@patni.com	1	31	1	OFFSHORE	Programmer	TEAM	ACTIVE
Admin Admin	1	Admin@Admin.com	377			OFFSHORE	PM	ADMIN	ACTIVE
Anurag Tiwari	4722	Anurag.Tiwari@patni.com	3678			OFFSHORE	PM	MANAGER	ACTIVE

New User

All the details of the user with the employee id is displayed including the role, login type and the status are also displayed

Maintain Projects

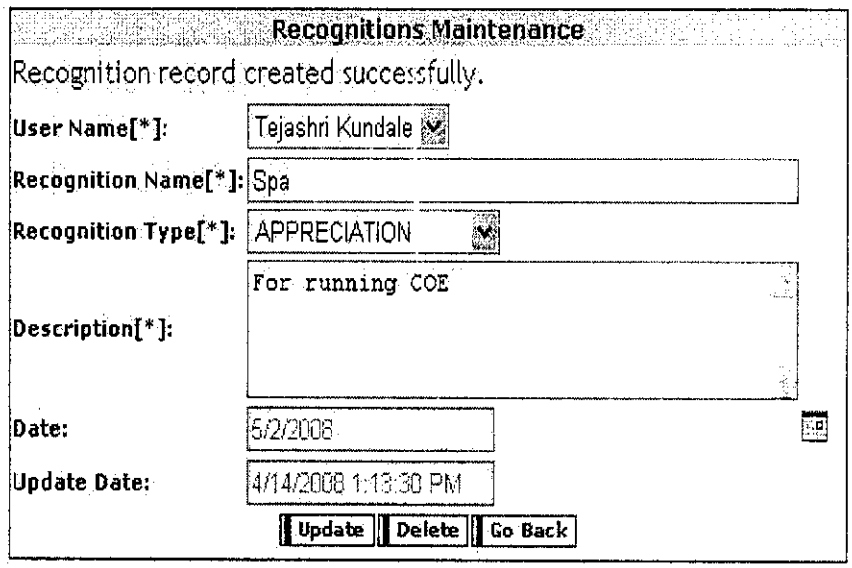
The project details are also maintained by the administrator, if a project is selected, it displays the complete details giving the number of resources included for the project, project manager, and the time taken to complete the project



The project name is selected to give the project description

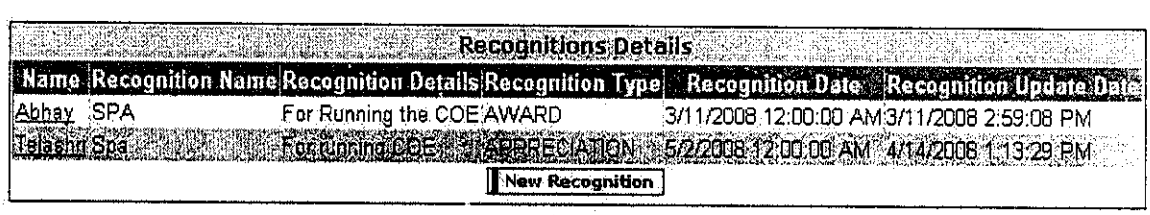
Maintain Recognition

The recognition are also maintained to appreciate the employees in the form of giving awards or any appreciation



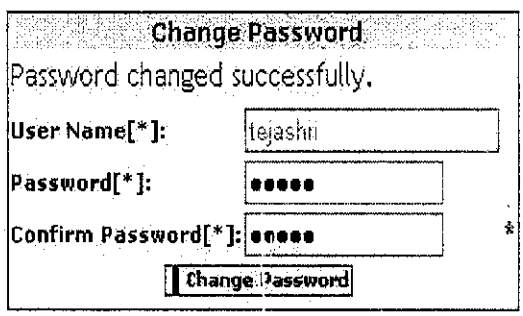
The recognition details are given with the name, type of recognition and the description for the recognition status, and the date of the award is also entered. The details can be updated or deleted by the administrator

The recognition details are displayed in the portal and the changes can be made by the administrator, the option recognition will not be enabled for any internal user



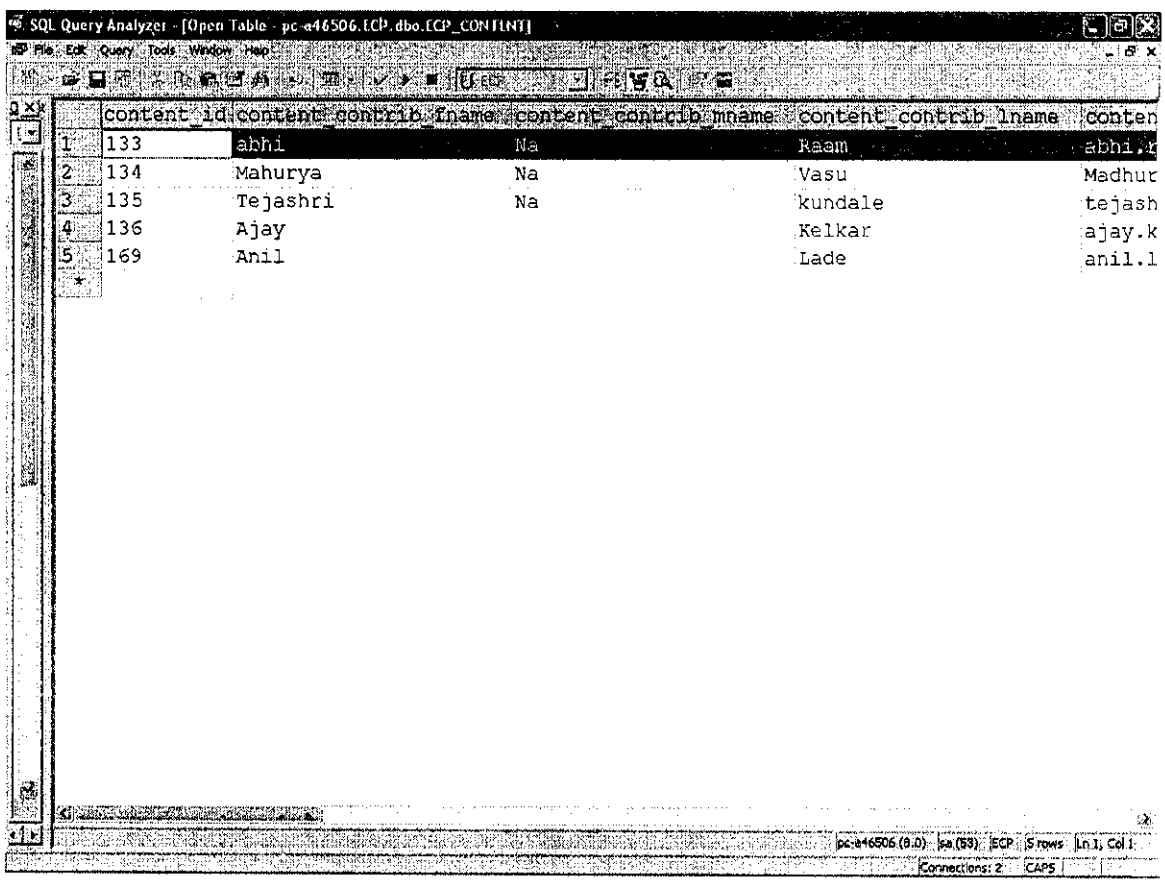
Change Password

The password must be changed once in two months, all the type of users are enabled to change the password



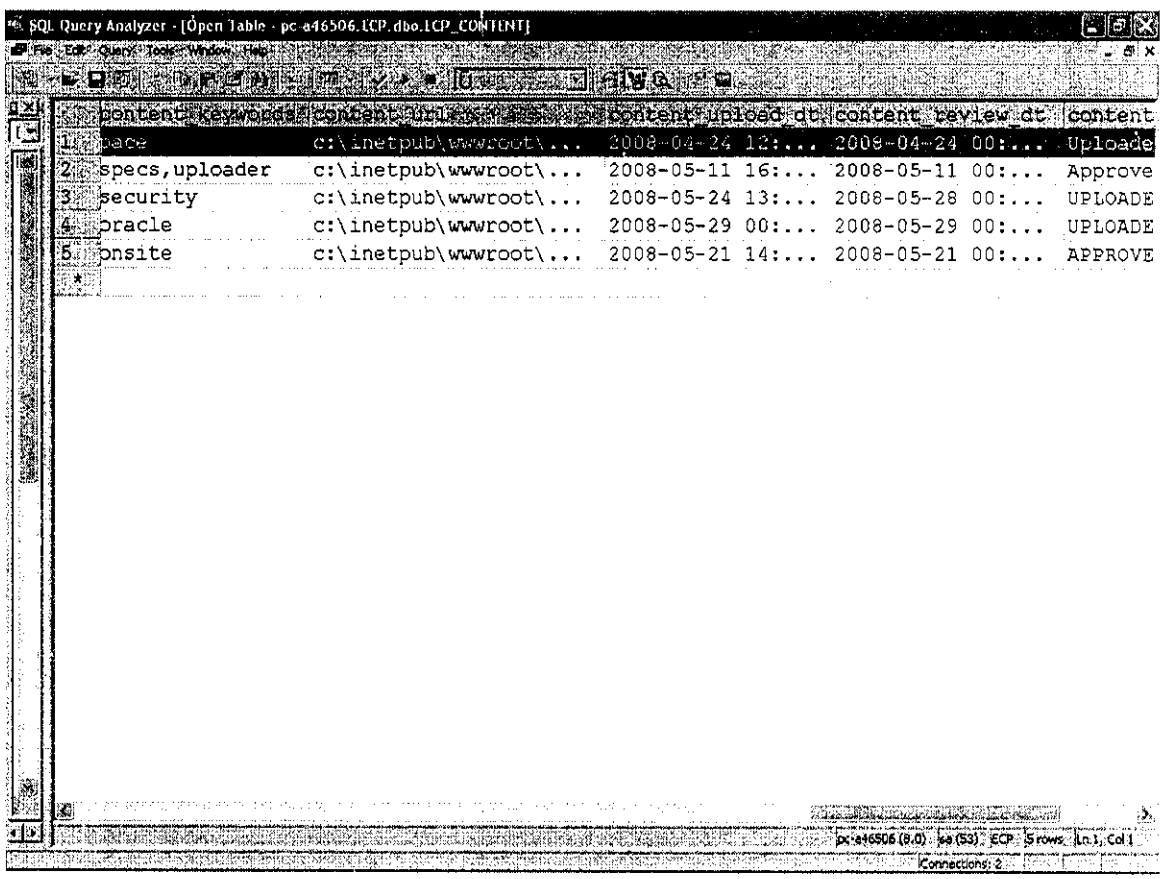
9.2 Tables

The tables display the data stored in the database, the content details are displayed as follows:

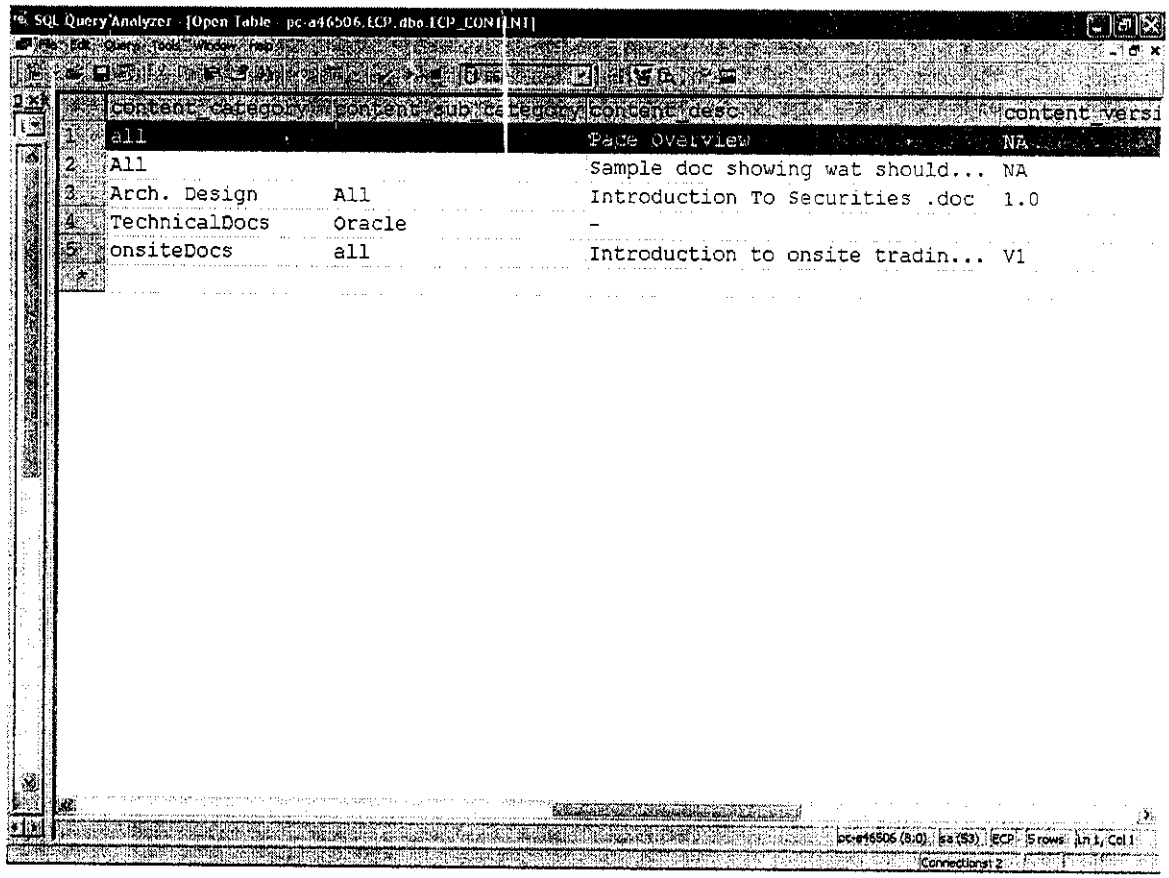


Each value are validated by the id, the content table displays the content details stored in the database

Each document are given with a meaningful keyword for easy search ,the url stored in the local host enables the users to download the document as the systems are shared, the content details with keyword, dates are displayed as follows



The category and the subcategory details are displayed to describe the type of the document stored



The content details with email, URL, content format, phone, and dates are displayed from the table as follows

SQL Query Analyzer - [Open Table - pc-a46506.ECP.dbo.ECP_CONTENT]

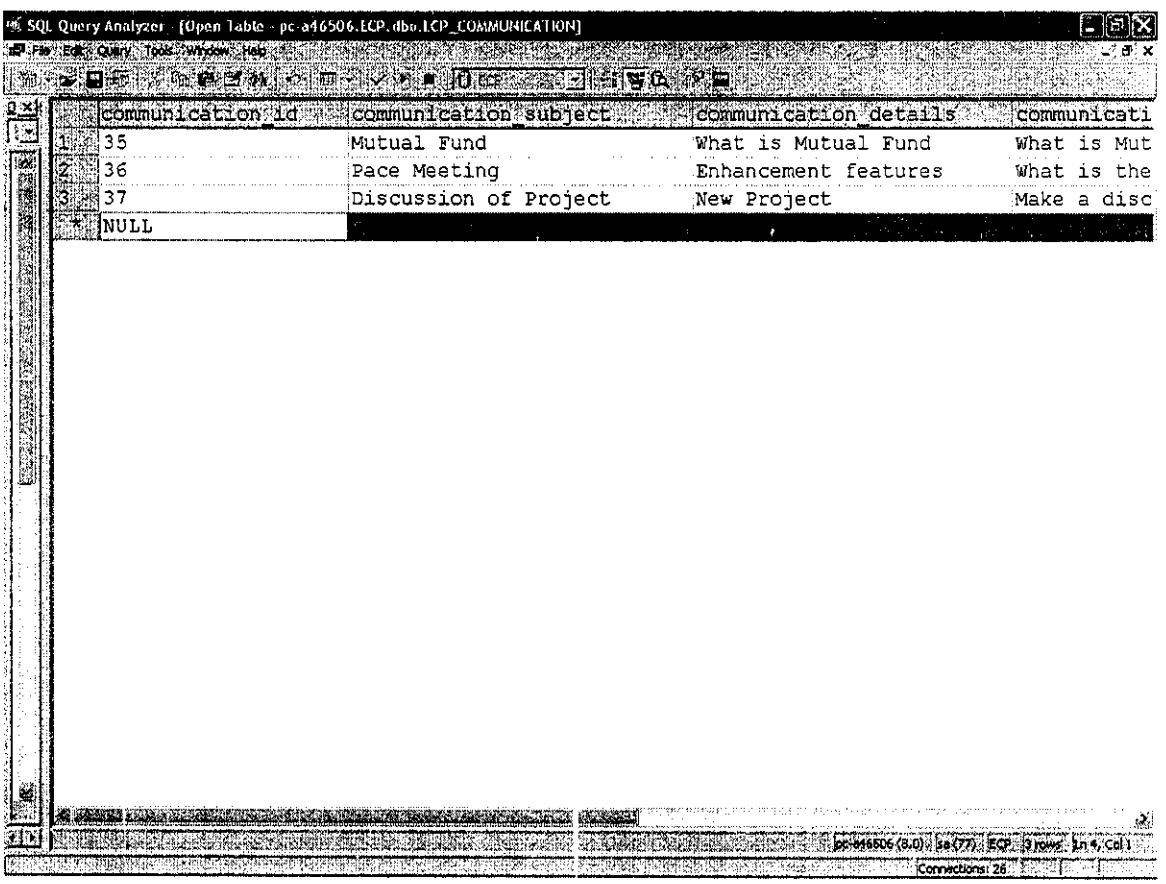
	content_contrib_email	content_contrib_phone	content_name	content_format
1	abhi.raam@patni.com	9865124833	Pace Architecture	.PPT
2	Madhurya.vasu@patni.com	9894666281	Uploader Sample Specs	.DOC
3	tejashri.kundale@pat...	NA	Introduction To Sec...	.DOC
4	ajay.kelkar@patni.com	-	Ora Help	.DOC
5	anil.lade@patni.com	36173673	Introduction To onsite	.PPT

SQL Query Analyzer - [Open Table - pc-a46506.ECP.dbo.ECP_CONTENT]

1	b\wwwroot\...	2008-04-24 12:...	2008-04-24 00:...	Uploaded	2008-05-14 11...
2	b\wwwroot\...	2008-05-11 16:...	2008-05-11 00:...	Approved	2008-05-15 12...
3	b\wwwroot\...	2008-05-24 13:...	2008-05-28 00:...	UPLOADED	2008-05-24 13...
4	b\wwwroot\...	2008-05-29 00:...	2008-05-29 00:...	UPLOADED	2008-06-03 15...
5	b\wwwroot\...	2008-05-21 14:...	2008-05-21 00:...	APPROVED	2008-05-24 14...

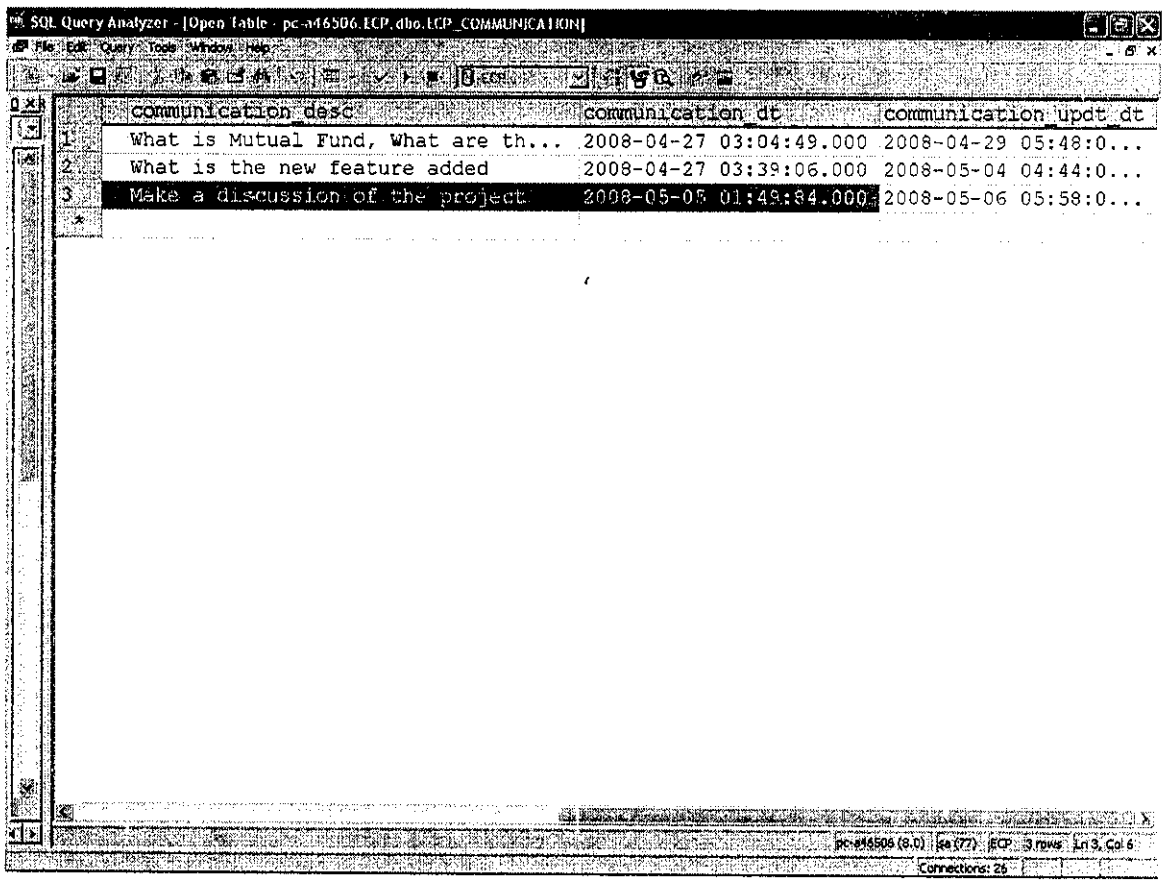
Maintaining Communication

All the communication details are stored in the database, the communication validates through the communication Id and it is displayed in the table as follows:



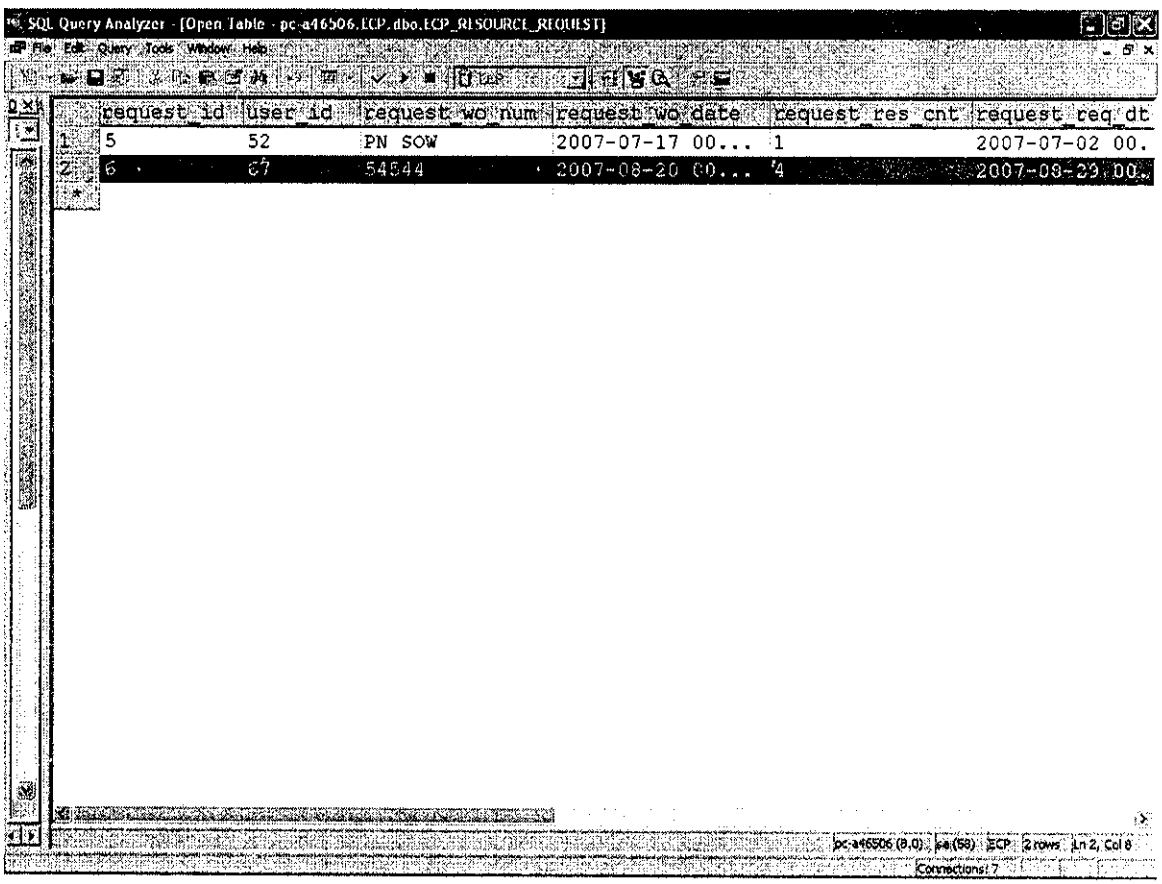
The user can view all the details from the table

The details for the communication are described with a specified date and the communication can also be modified and the date gets automatically changed in the update field, it is shown in the table as follows:



Resource Management

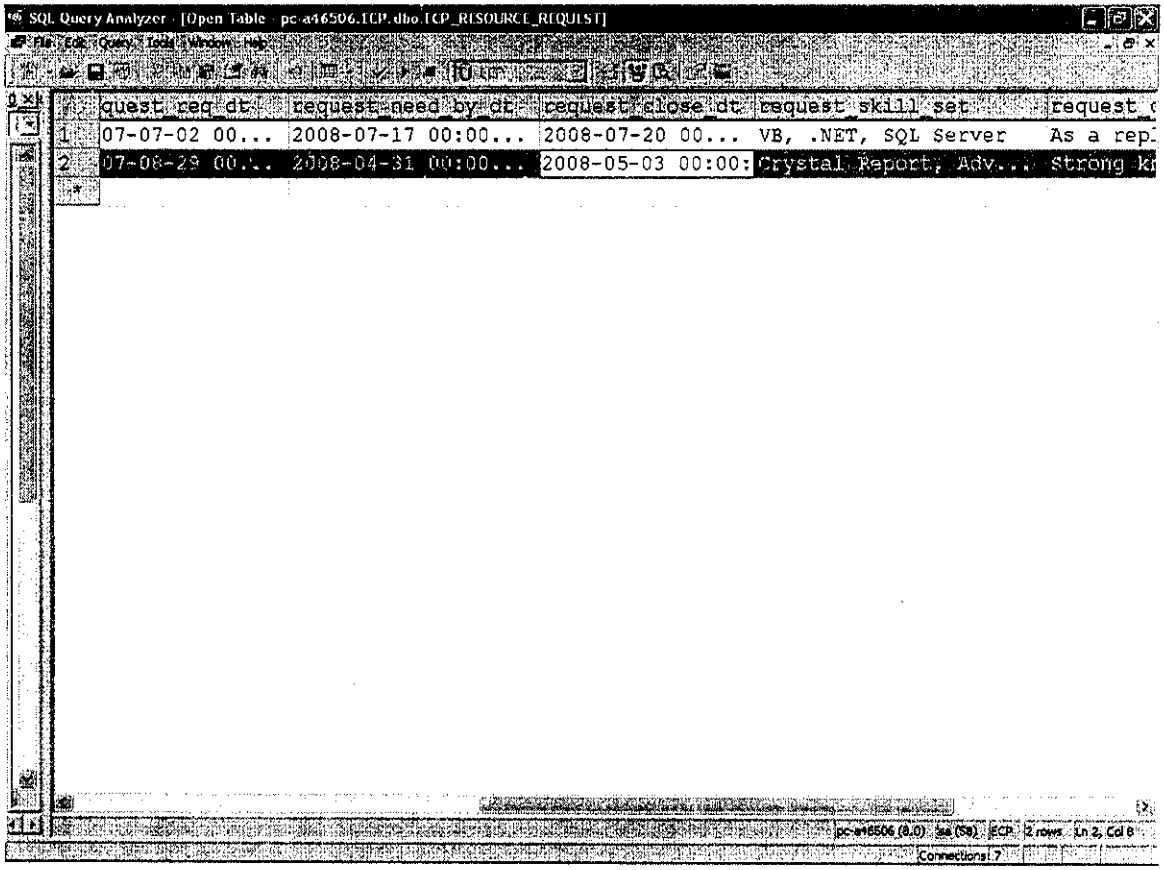
All the resource details are maintained by the administrator and each detail can be viewed by either the internal user or the administrator, it is shown as follows:

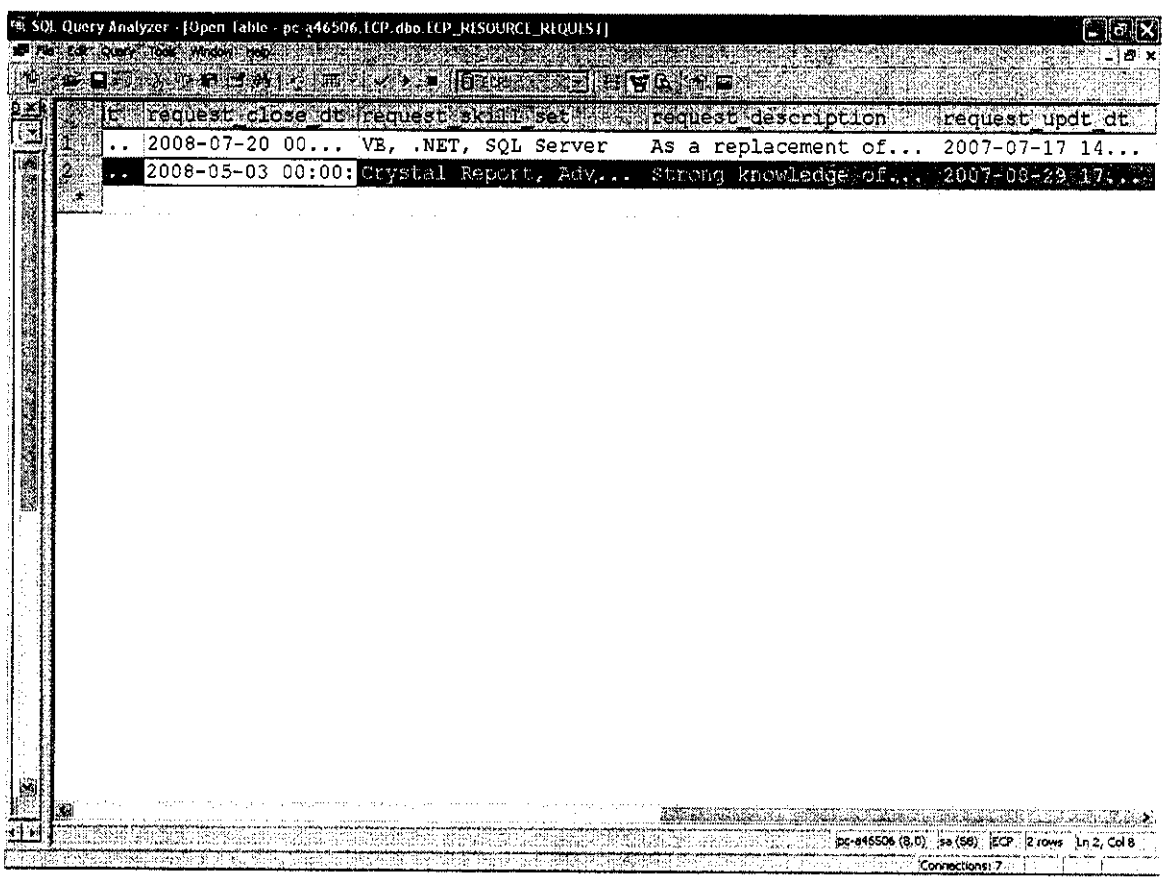


Each data are validate by the user Id and the count for the resources are also maintained

The projects starting date and the completion date are also stored to find out the status of the project, closing date of the project, skill set of the employee are also stored to retrieve the status of the project

The tables lists with a details of skill set, project need by date, update date and the closure date as follows:

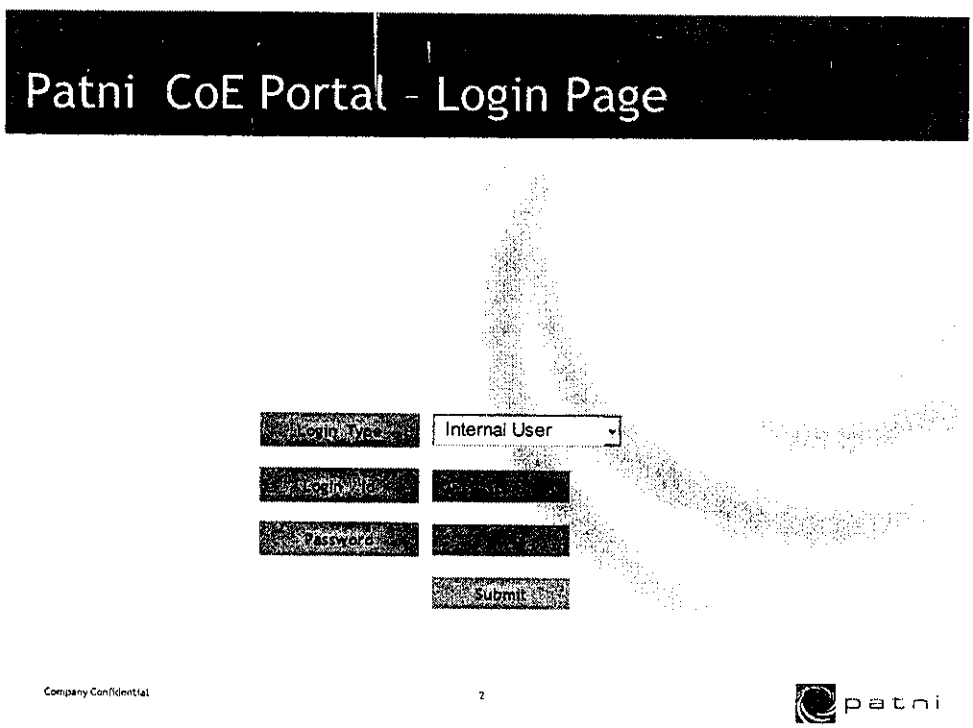

SQL Query Analyzer - [Open Table - pc-a46506.ECP.dbo.ECP_RESOURCE_REQUEST]
quest_req_dt request_need_by_dt request_close_dt request_skill_set request_
1 07-07-02 00... 2008-07-17 00:00... 2008-07-20 00... VB, .NET, SQL Server As a rep
2 07-08-29 00... 2008-04-31 00:00... 2008-05-03 00:00: Crystal Report, Adv... Strong k
Connections: 7


SQL Query Analyzer - [Open Table - pc-a46506.ECP.dbo.ECP_RESOURCE_REQUEST]
request_close_dt request_skill_set request_description request_updt_dt
1 .. 2008-07-20 00... VB, .NET, SQL Server As a replacement of... 2007-07-17 14...
2 .. 2008-05-03 00:00: Crystal Report, Adv... Strong knowledge of... 2007-08-29 17...
Connections: 7

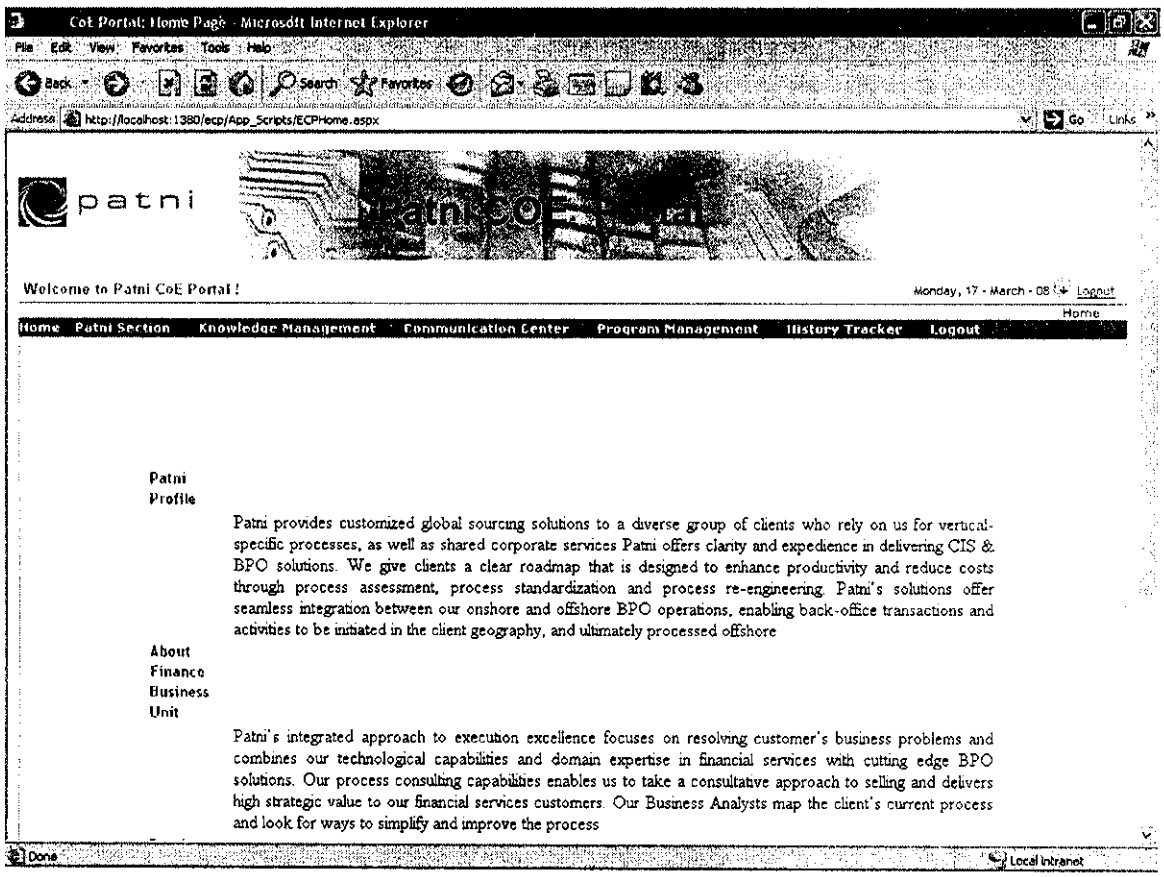
8.3 User Manual

Step 1: To Login the Patni COE portal, the user must enter the user name and password to login the system

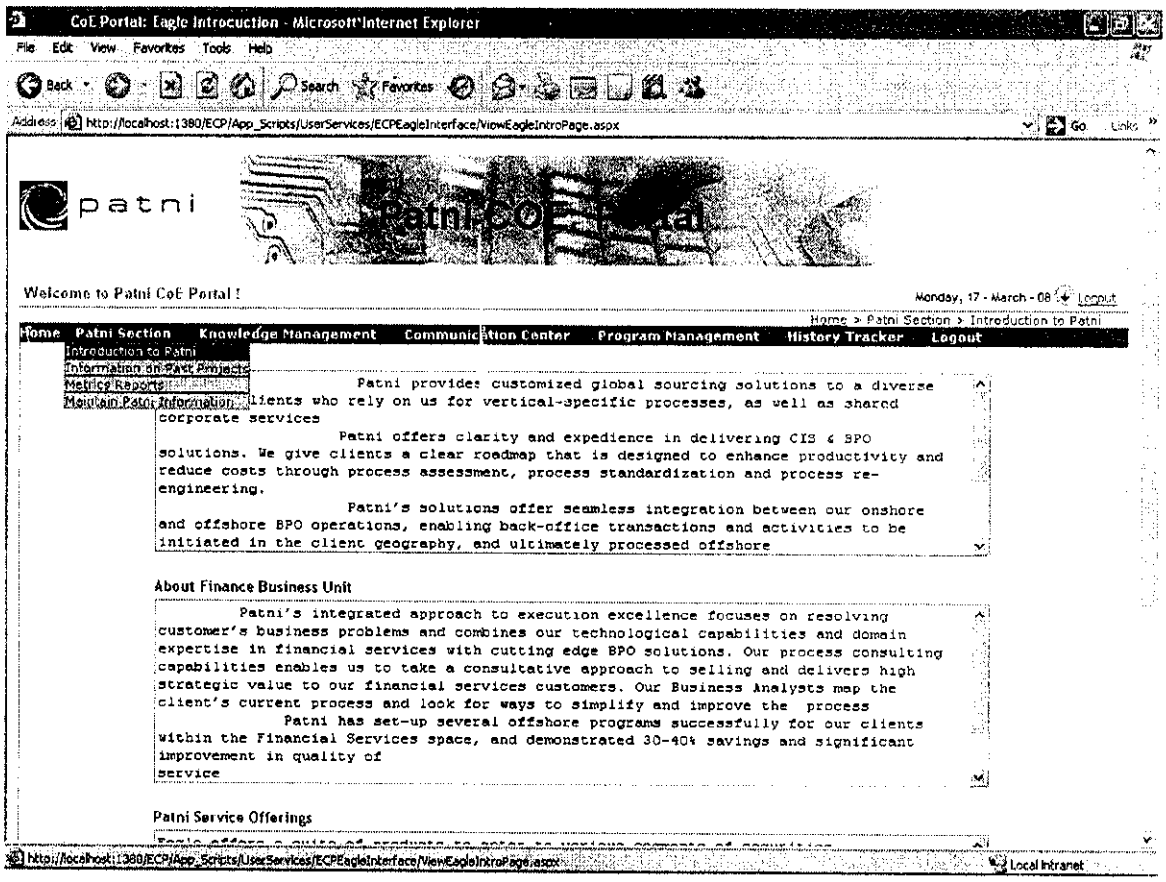
Step 2: The user can either login as internal user or administrator, the login type has to be selected, enter the login id and password and click submit to enter into the home page of the portal as shown below



Step 3: Patni COE Portal page is opened; user can select any module to view the features as shown as follows:

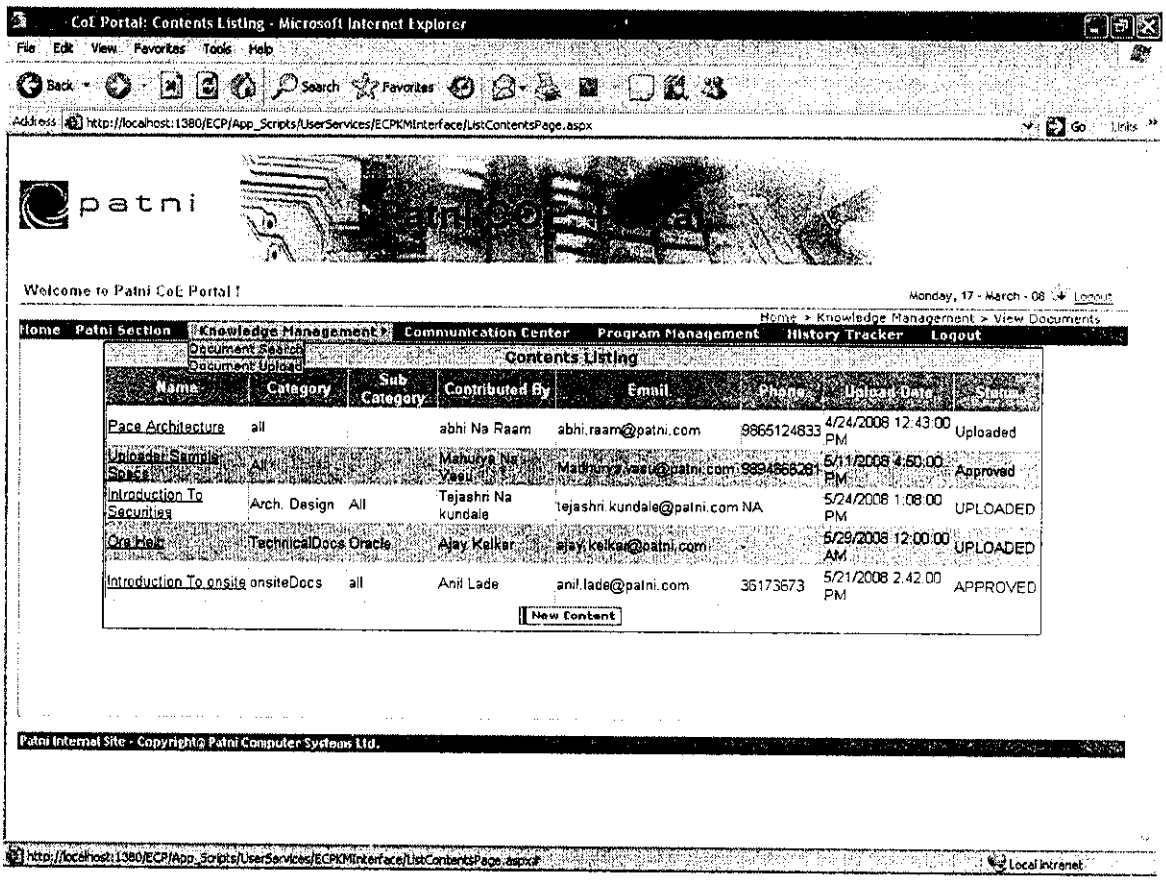


Step 4: In order to view the finance business unit of Patni, Patni section is clicked, the administrator adds the new features in this section and modifies and can delete the features as shown in the following screen shot



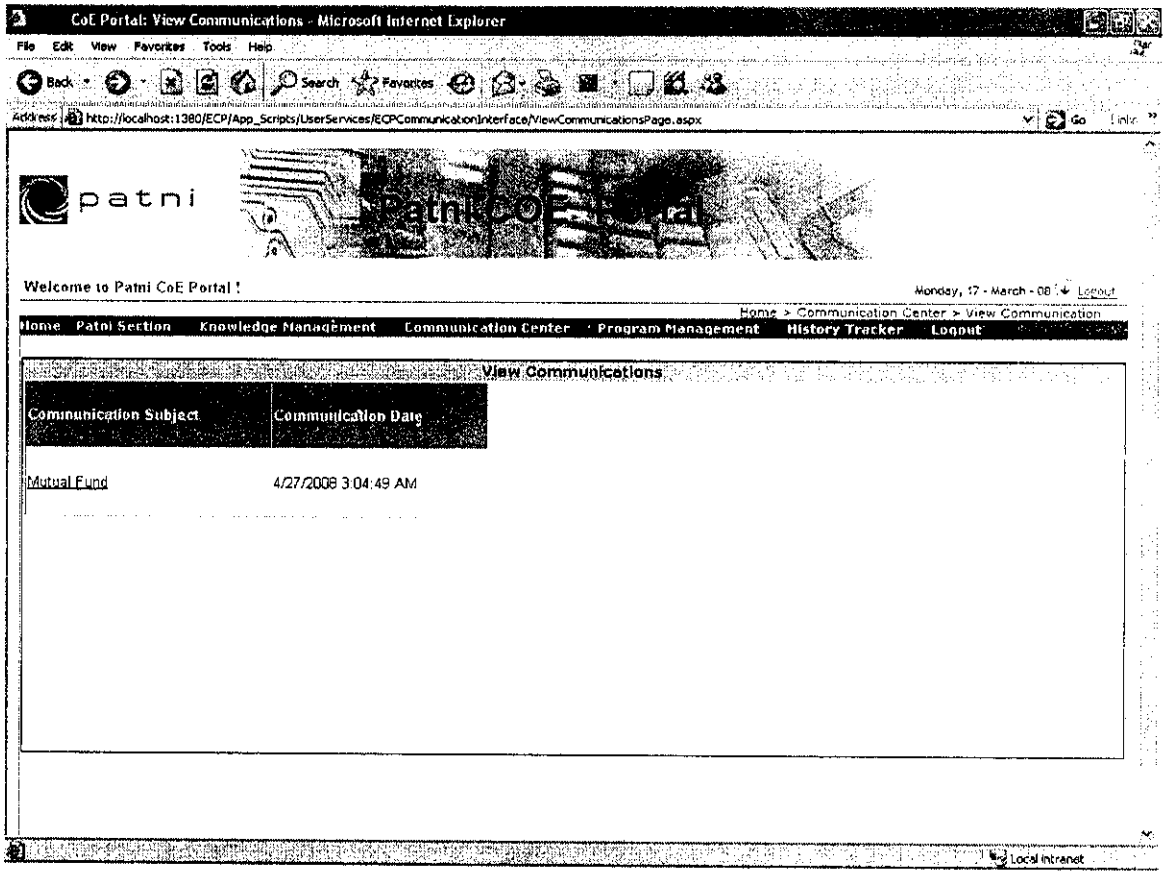
Step 5: Patni's details for the FSBU is maintained in this section, Projects done in the FSBU can be seen in this section

Step 6: In order to search any documents or upload any documents, Knowledge Management is clicked from the portal page as shown in the following figure



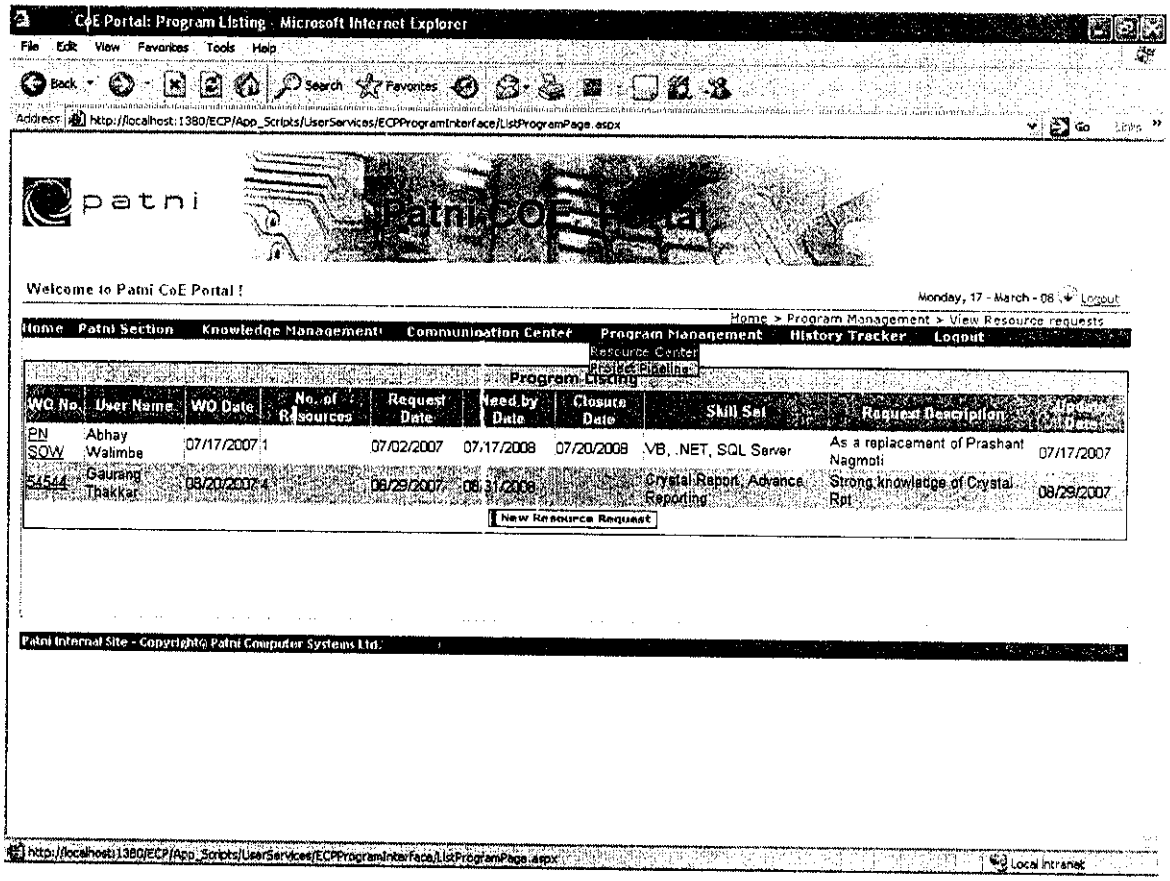
Step 7: The contents listing displays the searched documents or the documents available in the database and new content is clicked to add new details or upload any new documents, this can be one by administrator or any internal user

Step 8: To add any new communication or view any communication, communication center is clicked; adding communication in the portal is done by the administrator, communication is viewed as from the following figure:



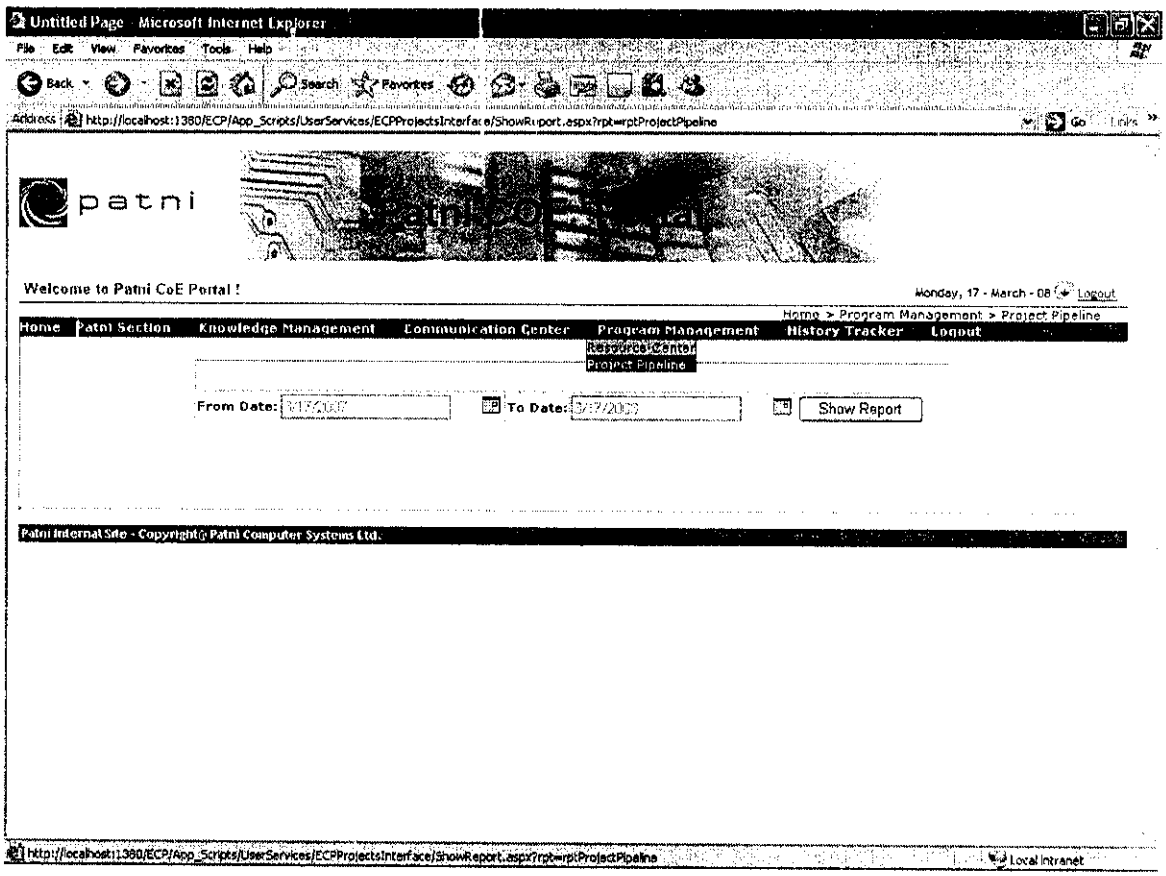
Step 9: Communication is displayed in the portal; the internal user can view the complete details of the portal but cannot upload any communication. The uploading of the details are done by the administrator

Step 10: To allocate the projects, skills are identified, resource center helps to allocate the projects as the employee's whole details are stored in the database, employee details are displayed as follows:



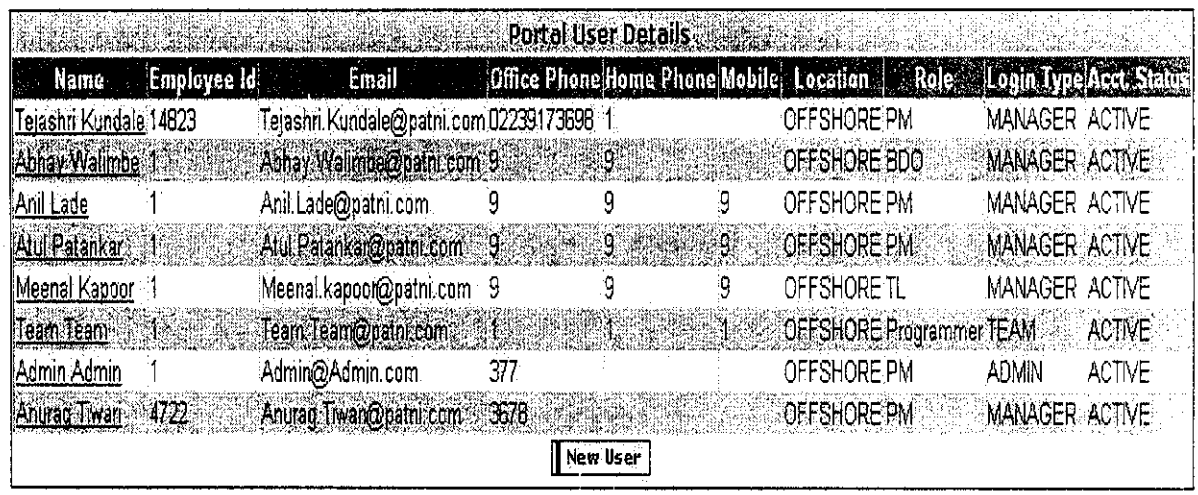
Step 11: All the resource skills are displayed and the date gets automatically updated, complete project details are displayed in the program management

Step 12: To view the existing, past and the new projects, project pipeline is selected from the program management, the projects can be viewed as from the following figure:



Step 13: After the date gets selected, show report is selected to see the projects completed, existing and the new projects

Step 14: To track the user details, project details, recognition details, history tracker is selected from the portal as shown as follows:

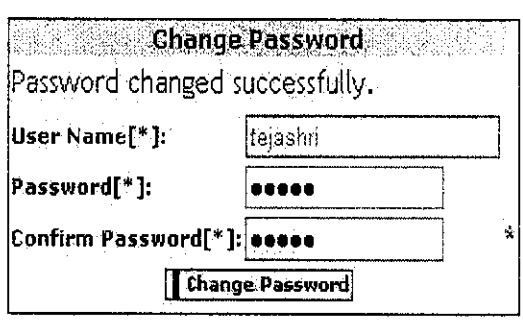


Portal User Details

Name	Employee Id	Email	Office Phone	Home Phone	Mobile	Location	Role	Login Type	Acct. Status
Tejashri Kundale	14823	Tejashri.Kundale@patni.com	02239173698	1		OFFSHORE	PM	MANAGER	ACTIVE
Abhay Walimbe	1	Abhay.Walimbe@patni.com	9	9		OFFSHORE	BDO	MANAGER	ACTIVE
Anil Lade	1	Anil.Lade@patni.com	9	9	9	OFFSHORE	PM	MANAGER	ACTIVE
Atul Patankar	1	Atul.Patankar@patni.com	9	9	9	OFFSHORE	PM	MANAGER	ACTIVE
Meenal Kapoor	1	Meenal.kapoor@patni.com	9	9	9	OFFSHORE	TL	MANAGER	ACTIVE
Team Team	1	Team.Team@patni.com	1	1	1	OFFSHORE	Programmer	TEAM	ACTIVE
Admin Admin	1	Admin@Admin.com	377			OFFSHORE	PM	ADMIN	ACTIVE
Anurag Tiwari	4722	Anurag.Tiwari@patni.com	3678			OFFSHORE	PM	MANAGER	ACTIVE

New User

Step 15: All the details of the user and project is tracked and the password of the user can also be changed as shown from the following figure



Change Password

Password changed successfully.

User Name[*]: tejashri

Password[*]: •••••

Confirm Password[*]: •••••

Change Password

Step 16: All the details of the FSBU can be seen in this portal, it helps to share the knowledge among the users

CHAPTER 9

REFERENCES

Books

1. Scott Allen, Jeff Atwood (2007) "ASP.NET 2.0 Anthology" SitePoint,First Edition

2. Andrew Watt(2006) "Microsoft® SQL Server2000 For Dummies®" Wiley Publishing Inc.Volume I

Websites

3. http://www.viney.com/DFV/intranet_portal_guide/index.html
4. http://www.phpyramid.com/page/article_read.php?id=204
5. http://www.csharpcorner.com/Articles/
6. www.computerebook.net
7. www.knowfree.net