MODERN CITY

A Project Report of capstone Project 2

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BONAFIDE CERTIFICATE

Certified that this project report **" MODERN CITY "** is the bonafide work of

"HARISH SINGH (1613107022) " who carried out the project work under my

supervision.

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ABSTRACT

Everyday a large number of people are coming to all the cities seeking job, higher studies, business, tourism, etc. Initially all the system of the city are unknown to the new comers of the city. They don't know much about booking hotel, transportation, shopping, etc. But implementation of Modern City Java Project provides the complete solution package for new comers. Overall description consists of background of the entire specific requirement. It also gives explanation about actor and function which is used. It gives explanation about architecture diagram and it also gives what we are assumed and dependencies. It also support specific requirement and also it support functional requirement, supplementary requirement other than actor which is used. It also gives index and appendices

INTRODUCTION

Many web applications have been purely based on databases which widely incorporated on the Internet and firms use these services to provide a broad range of services to customers. This is basically a web based application using the new terminologies like java .This project will help user by providing information about the city for the newly visited Comers .It will help to provide combine package solution for the newly users .

We have use the some terminologies for making it . First of all we have use HTML and JAVA Script for designing the attractive webpage. And we have used the SQL database for storing the information of the city and the users. And last we used the java for the backend. By which we could provide the better security for the users .

City Guide is an essential when ever we are visiting a particular city.It gives us the valuable information about the city and saves the time. Our project laid a web based platform for the city guide and can search every place in the city with out taking the help of any personal guide. You can search a city for its prominent places of the city user, and can get social and political information of the city, city culture,security ,entertainment, Business ,Hotels,Jobs etc.,The main aim of this project services provided to the users who have registered in the site. The services regarding to city political, historical, conventional places, busroutes, business companies profile and jobs details. Our project title is 'MODERN CITY', a web-based product used to store the details of particular city and helps all the users who just visits our website. This site also provides all the services like Hotel booking for tourists, Ticket booking, Transport facility providing, business related information, marketing details, city news, shopping detail. The website contains the complete information about particular city like places to be visited, site maps route maps,

Business environment, Job portal, information can be used by any person who is having general knowledge about internet. All the users will be first considered as anonymous user later if he needs any service then he will be treated as registered user.

Overall description consists of background of the entire specific requirement. It also gives explanation about actor and function which is used. It gives explanation about architecture diagram and it also gives what we are assumed and dependencies. It also support specific requirement and also it support functional requirement, supplementary requirement other than actor which is used. It also gives index and appendices. It also gives explanation about any doubt and queries. This system can be used as an application for the handicraft employees and customers of the Handicraft company to manage the product information. Overall description consists of background of the entire specific requirement. It also gives explanation about actor and function which is used. It gives explanation about architecture diagram and it also gives what we are assumed and dependencies. It also support specific requirement and also it support functional requirement, supplementary requirement other than actor which is used. It also gives index and appendices. It also gives explanation about any doubt and queries.This system can be used as an application for the handicraft employees and customers of the Handicraft company to manage the product information. Customer logging should be able to upload the information of the any required product. Customers/Company representatives logging in may also access/search any information of product related.

PURPOSE

The main aim of this project services provided to the users who have registered in the site. The services regarding to city political, historical, conventional places, bus routes, business companies profile and jobs details. **Modern city** is a web-based product used to store the details of particular city and helps all the users who just visits our website. This site also provides all the services like Hotel booking for tourists, Ticket booking, Transport facility providing, business related information, marketing details, city news, shopping detail. The website contains the complete information about particular city like places to be visited, site maps route maps, Business environment, Job portal, information about organization that provide transport, Hospitality and total history of the city. This website can be used by any person who is having general knowledge about internet. All the users will be first considered as anonymous user later if he needs any service then he will be treated as registered user

SCOPE

- Administrator is created in the system already.

- The administrator has to generate daily/weekly/Monthly reports, of the business and political news of the city It can be accessed by unlimited number of users.

- Each user will be assigned a different set of permissions for each module of the system.

- The user can have access to all the information in the site with limited services and provide extra services to registered users.

- Track all the transaction details of the customer.

- Confirmation of end user identity and will verify which users are authorized to receive Support. Maintain history of each customer and their related Maintain history of each customer and their related information.

- Every user must have their ID & PASSWORD for security purpose and AC.NO for transaction purpose.

- The administrator has to generate daily/weekly/Monthly reports, of the business and political news of the city.

- This site is best designed to be useful through internet to people of different places.

LITERATURE SURVEY

Our project title is 'MODERN CITY', a web-based product used to store the details of particular city and helps all the users who just visits our website. This site also provides all the services like Hotel booking for tourists, Ticket booking, Transport facility providing, business related information, marketing details, city news, shopping detail. The website contains the complete information about particular city like places to be visited, site maps route maps, Business environment, Job portal, information about organization that provide transport, Hospitality and total history of the city. This website can be used by any person who is having general knowledge about internet. All the users will be first considered as anonymous user later if he needs any service then he will be treated as registered user .

Overall description consists of background of the entire specific requirement. It also gives explanation about actor and function which is used. It gives explanation about architecture diagram and it also gives what we are assumed and dependencies. It also support specific requirement and also it support functional requirement, supplementary requirement other than actor which is used
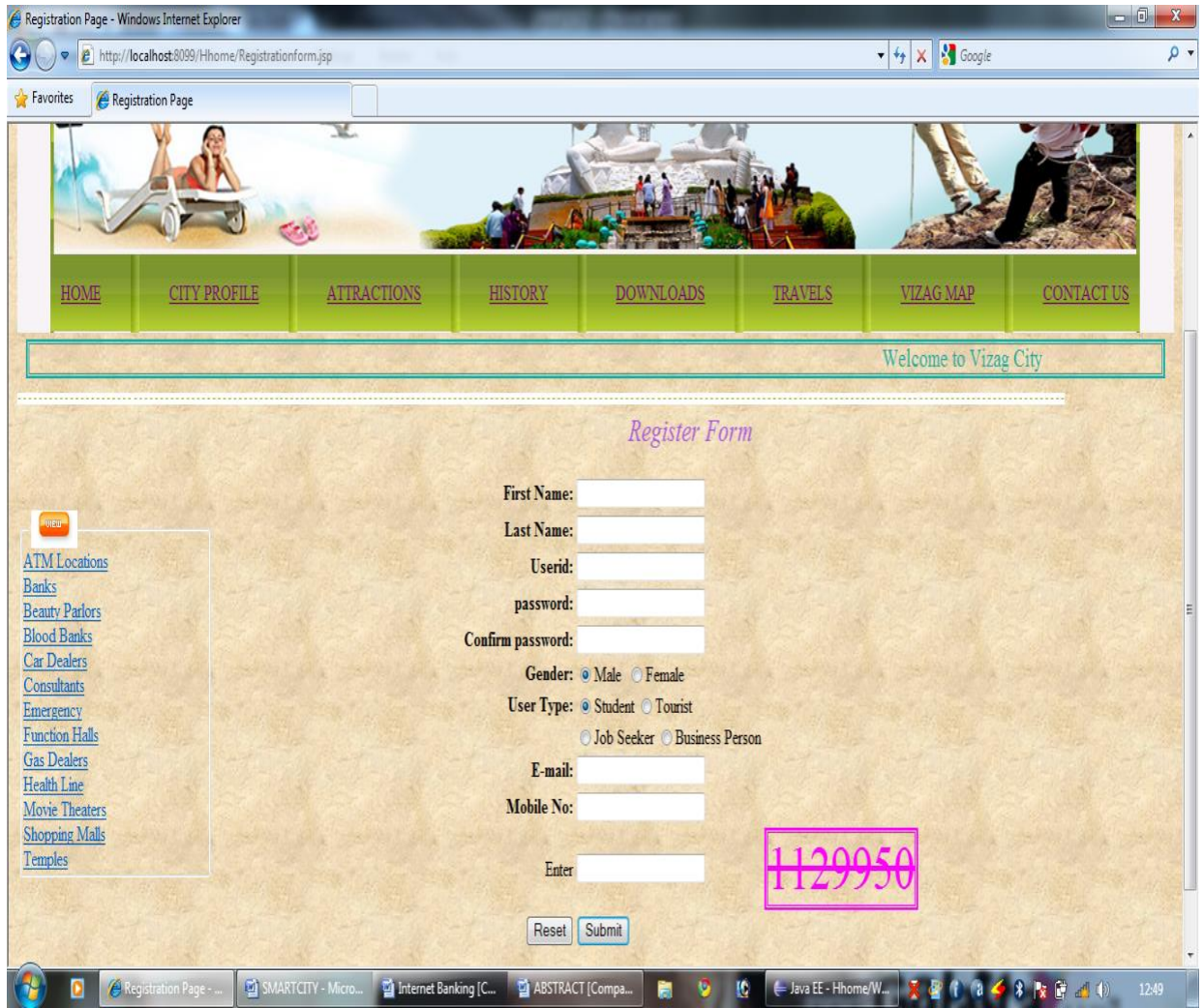
Snapshots

Home Page:
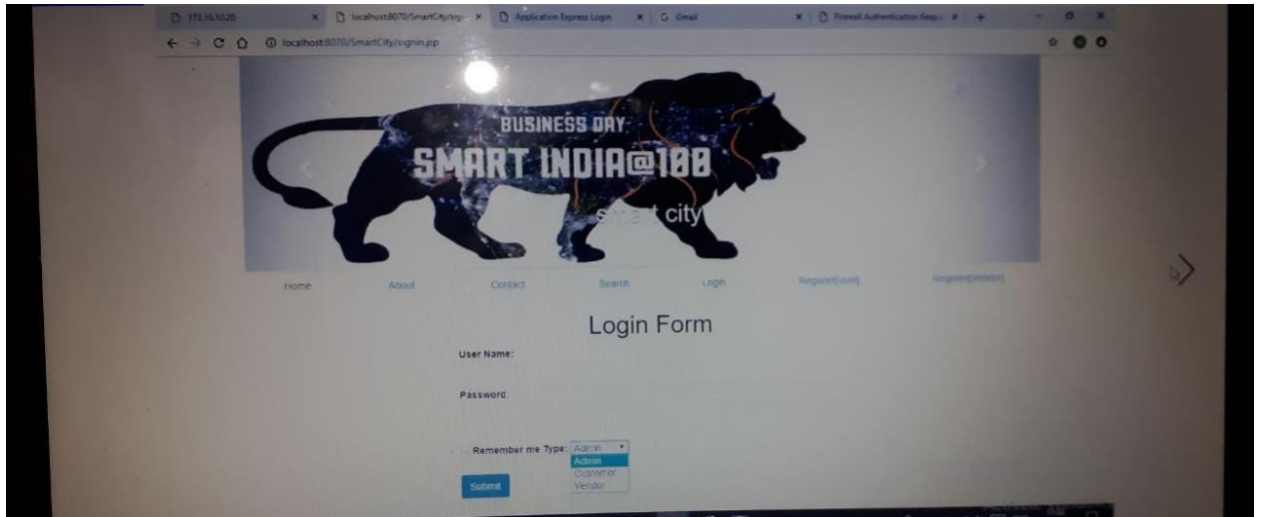
Description: The home page provides the necessary information that is accessed by the user and provides login form and registration for registration. The information in the home is open to all the users of the system.

Registration page :

Description: The registration page helps the user to register in order to posses the various services offered by the site .The various users of the system are tourist, businessman, student, jobseeker and administrator

Student Home Page :
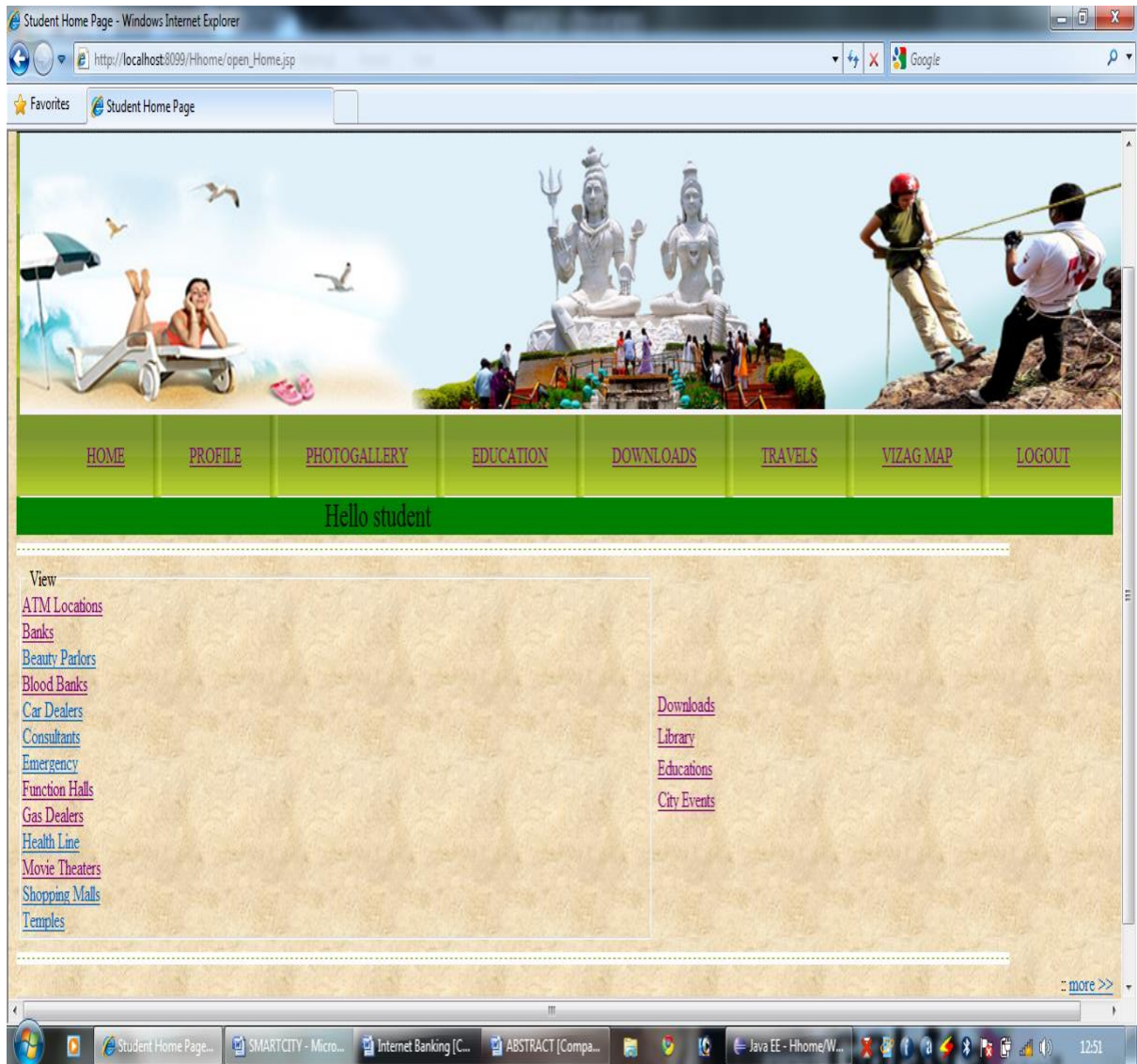
Description: The User who is registered as a student and login with his id and password will be provides with various downloaded services and can access other city inforantion . Every user will be provided with various services and maintain communication with other users.

Industries
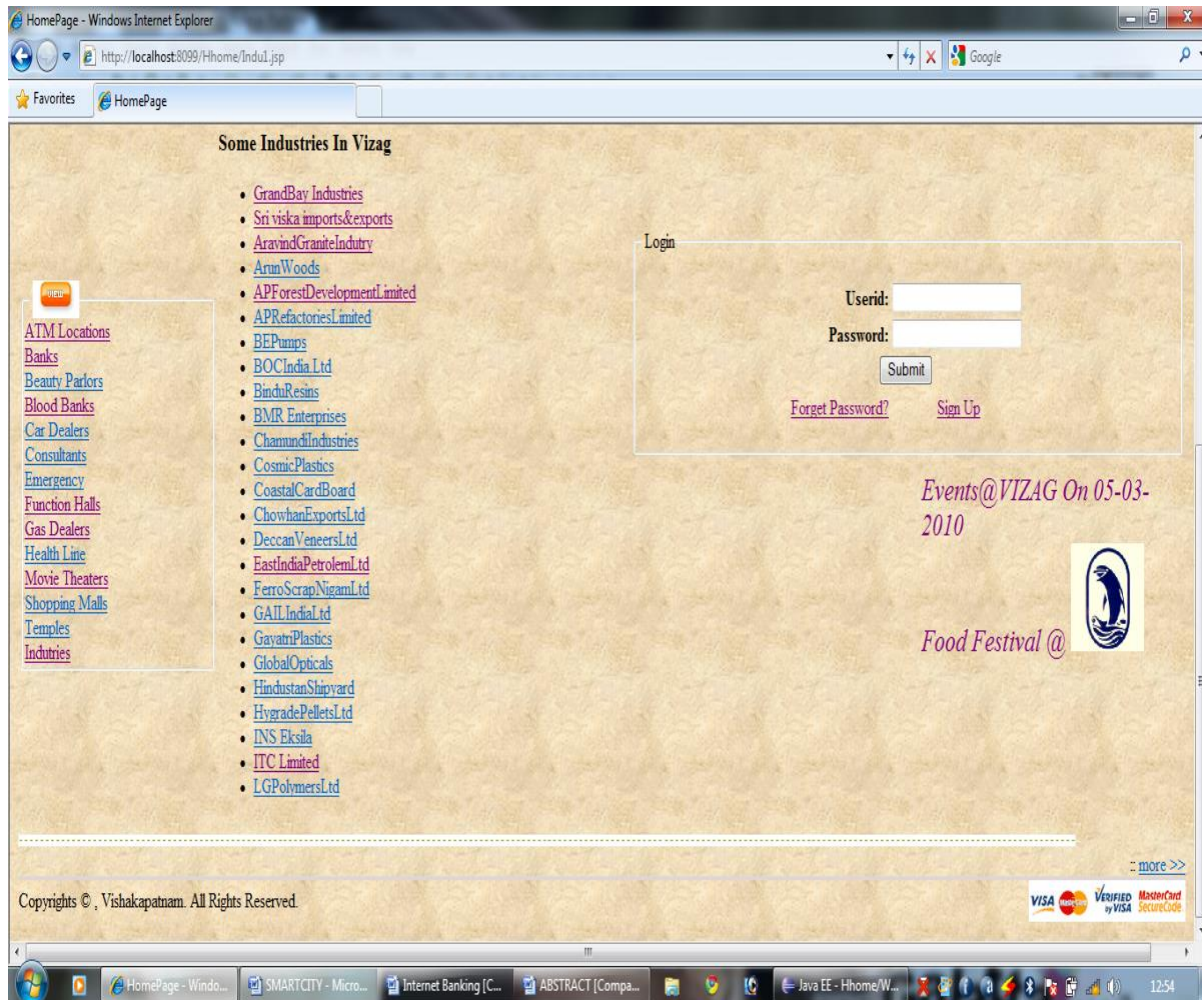
The **Description** page provides the information about the various industries available in the city and their current operational status. The current updates of the industries in the city can be viewed .The administrator will make updates of the various information about the industries in the city. The current operational status of the industries will be available in the site.

Display Industries Information

Fig 6.4(e) Display Industries

Description: The page provides the information about the various industries available in the city and their current operational status. The current updates of the industries in the city can be viewed .The administrator will make updates of the various information about the industries in the city. The current operational status of the industries will be available in the site.

City History:

Fig 6.4(f)   City History
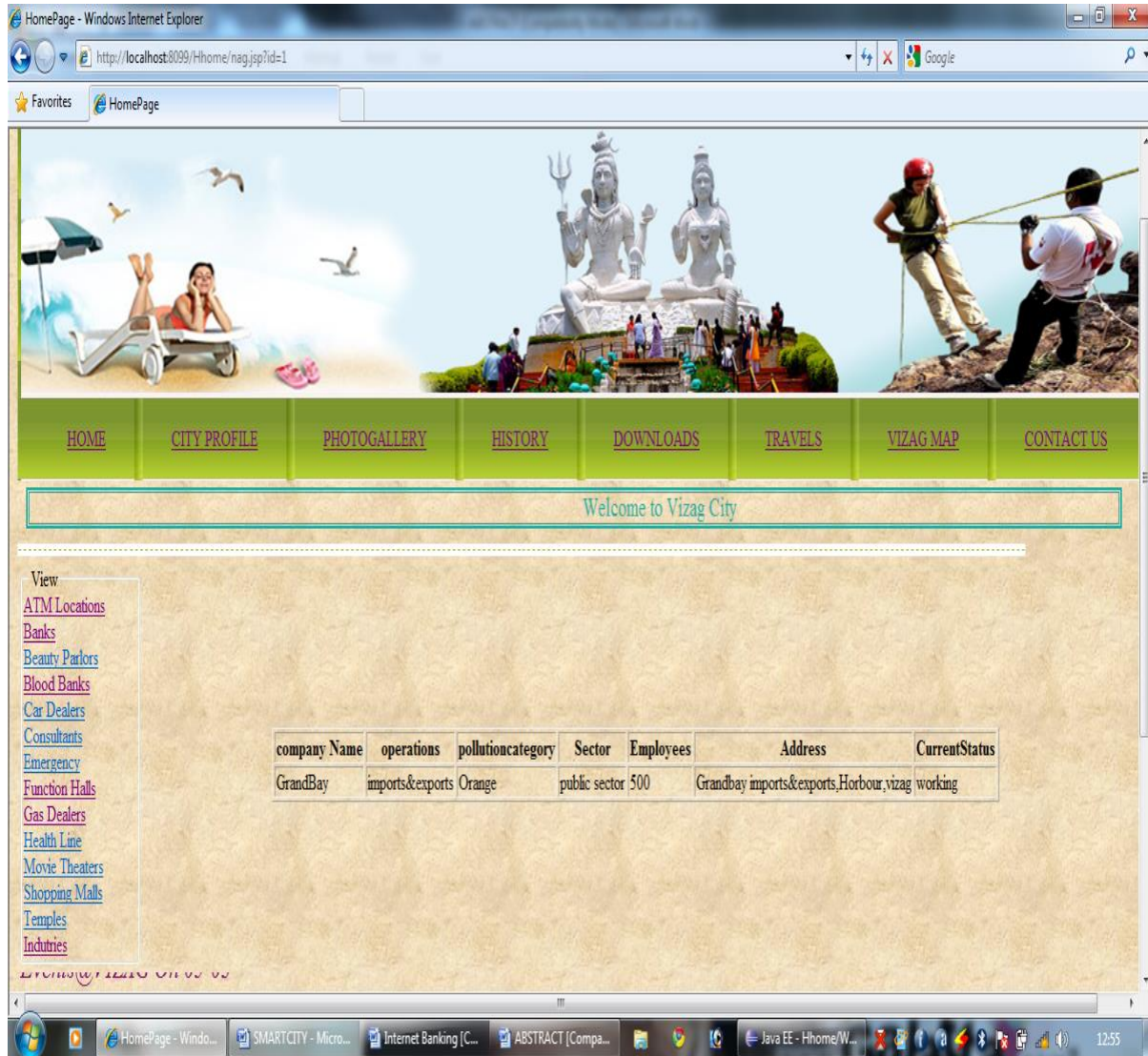
Description : The page displays the city history by locating the key palces in the city with in static map .The historical prominence of the city can be viewed.The admin updates all the current information about the city .

CODE

CODING OF PROJECT

OPEN _HOME .JSP

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

   pageEncoding="ISO-8859-1" import="java.sql.*;"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Insert title here</title>

</head>

<body>

<%

String uid=request.getParameter("uid");

String pwd=request.getParameter("pwd");

try

{
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

         String url="jdbc:odbc:srikanth";

         Connection con=DriverManager.getConnection(url,"smartcity","smartcity");

         Statement stmt=con.createStatement();
```

```java
 System.out.println("connected");

ResultSet rs=stmt.executeQuery("Select * from login12 where userid='"+uid+"' and

pwd='"+pwd+"'");

if(rs.next())

{

        String user=rs.getString("userid");

        String type=rs.getString("type");

        HttpSession ss=request.getSession(true);

        if(type.equals("student"))

                {

                        ss.setAttribute("name",user);

                        RequestDispatcher rd =

                        request.getRequestDispatcher("Student_home.jsp");

                        rd.forward(request,response);

                }

                else if(type.equals("business"))

                {       ss.setAttribute("name",user);

                        RequestDispatcher rd =

                        request.getRequestDispatcher("BP_home.jsp");

                        rd.forward(request,response);

                }
```

```java
else if(type.equals("job"))

{       ss.setAttribute("name",user);

        RequestDispatcher rd =

         request.getRequestDispatcher("JS_home.jsp");

        rd.forward(request,response);

}

else if(type.equals("tourist"))

{       ss.setAttribute("name",user);

        RequestDispatcher rd =

        request.getRequestDispatcher("Tourist_home.jsp");

        rd.forward(request,response);

}

else if(type.equals("admin"))

{       ss.setAttribute("name",user);

        RequestDispatcher rd =

        request.getRequestDispatcher("Admin_home.jsp");

        rd.forward(request,response);

}else if(type.equals("moderator"))

{       ss.setAttribute("name",user);

        RequestDispatcher rd =

        request.getRequestDispatcher("Moderator_home.jsp");
```

```jsp
                    rd.forward(request,response);

                }

        }

        else

        {       %>

                <jsp:forward page="home1.jsp?m1=Invalid Userid and

                Password"></jsp:forward>

        <%

        }



}

catch(Exception e)

{

        e.printStackTrace();

}

%>
</body>

</html>
```

VIEW_ALERTS

```jsp
<%@ page language="java" import="java.sql.*" contentType="text/html; charset=ISO-8859-
    pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>View Messaging</title>

</head>

<body>

<marquee direction="left" scrolldelay="1250">

<%
 try
   {
            String str="";

            Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

            String url="jdbc:odbc:srikanth";

            Connection con=DriverManager.getConnection(url,"smartcity","smartcity");

            Statement stmt=con.createStatement();

            ResultSet rs=stmt.executeQuery("select * from alerts");

            while(rs.next()){str=rs.getString(2);
```

```jsp
            System.out.println(str);

        %>

        <a href="alertslink.jsp?d=<%=str %>"><%=str%></a><%

}

}

catch(Exception e)

{

e.printStackTrace();

}

%>

</marquee>

</body>

</html>
```

INSERT_ALERTS.JAVA

```java
package pack;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.Statement;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;
 public class insertalerts extends javax.servlet.http.HttpServlet implements

  javax.servlet.Servlet {

        protected void doGet(HttpServletRequest request, HttpServletResponse response)

        throws  ServletException, IOException {

        response.setContentType("text/html");

            PrintWriter out=response.getWriter();

            try

            {

                    Class.forName("oracle.jdbc.driver.OracleDriver");

                    Connection

                     con= DriverManager.getConnection("jdbc:odbc:"smartcity","smart") ;

                    Statement st=con.createStatement();
```

```java
String f=request.getParameter("id");

String fn=request.getParameter("nm");

String mn=request.getParameter("description");

Int i=st.executeUpdate("insertintoalerts

values('"+f+"','"+fn+"','"+mn+"')");


 }

catch(Exception e)

{

 e.printStackTrace();
```

VIEW_INDUSTRIES :

```
<table align="center" border='1'><tr><th>company
Name</th><th>operations</th><th>pollutioncategory</th><th>Sector</th><th>Employees</th
><th>Address</th><th>CurrentStatus</th></tr>

<%

String str=request.getParameter("id");

System.out.println(str);

try

   {

        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

        String url="jdbc:odbc:srikanth";

        Connection con=DriverManager.getConnection(url,"smartcity","smartcity");

        Statement st=con.createStatement();

        System.out.println("Database connected");

        ResultSet rs=st.executeQuery("select * from companydetails where id='"+str+"'");

        System.out.println("query running");

        while(rs.next())

        {

               System.out.println("ok");

               String des=rs.getString(8);

               System.out.println(des);

               if(des.equals(str))

               {
```

```jsp
%>

<tr>

                <td>      <%=rs.getString(1)%>

</td><td>

<%=rs.getString(2)%>

</td><td><%=rs.getString(3)%>

</td><td>

<%=rs.getString(4)%></td><td>

<%=rs.getString(5)%>

</td><td><%=rs.getString(6)%>

</td><td><%=rs.getString(7)%></td></tr>

    <%

    }

        else

        {

                System.out.println("fail");

                break;

        }

    }

}

catch(Exception e)
```

```
                {

                        e.printStackTrace();

                }

%>

</table>
```

INDUSTRIES.JSP

```html
<td align="left">

<h3>Some Industries In Vizag</h3>

<ul>

<li><a href="nag.jsp?id=1" onclick="check()">GrandBay Industries</a></li>

<li><a href="nag.jsp?id=2">Sri viska imports&exports</a></li>

<li><a href="nag.jsp?id=3">AravindGraniteIndutry</a></li>

<li><a href="nag.jsp?id=4">ArunWoods</a></li>

<li><a href="nag.jsp?id=5">APForestDevelopmentLimited</a></li>

<li><a href="nag.jsp?id=6">APRefactoriesLimited</a></li>

<li><a href="nag.jsp?id=7">BEPumps</a></li>

<li><a href="nag.jsp?id=8">BOCIndia.Ltd</a></li>

<li><a href="nag.jsp?id=9">BinduResins</a></li>

<li><a href="nag.jsp?id=10">BMR Enterprises</a></li>

<li><a href="nag.jsp?id=11">ChamundiIndustries</a></li>

<li><a href="nag.jsp?id=12">CosmicPlastics</a></li>

<li><a href="nag.jsp?id=13">CoastalCardBoard</a></li>

<li><a href="nag.jsp?id=14">ChowhanExportsLtd</a></li>

<li><a href="nag.jsp?id=15">DeccanVeneersLtd</a></li>

<li><a href="nag.jsp?id=16">EastIndiaPetrolemLtd</a></li>

<li><a href="nag.jsp?id=17">FerroScrapNigamLtd</a></li>

<li><a href="nag.jsp?id=18">GAILIndiaLtd</a></li>
```

GayatriPlastics

GlobalOpticals

HindustanShipyard

HygradePelletsLtd

INS Eksila

ITC Limited

LGPolymersLtd

</td>

BUS_SEARCH

```jsp
<%@ page language="java" import="java.sql.*;"%>

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

    pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv ="Content-Type" content="text/html; charset=ISO-8859-1">

<title>BUS SEARCH</title>

</head>

<body>

<table
border='1'><tr><td>BusNo</td><td>Source</td><td>Destination</td><td>Time</td></tr>

<%

        String str1=request.getParameter("src");

        String str=request.getParameter("des");

       System.out.println(str1);

       System.out.println(str);

        int  i=0;

        try

            {

                    Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
```

```jsp
String url="jdbc:odbc:srikanth";

Statement st=con.createStatement();

ResultSet rs=st.executeQuery("select * from Bussearch");

while(rs.next())

{

        String sour=rs.getString(2);

        String des=rs.getString(3);

        System.out.println("ds:--->"+sour+"<---");

        System.out.println("ds:--->"+des+"<---");

        if((sour.equals(str1))&&(des.equals(str)))

        {

                %>

  <tr> <td>

 <%=rs.getString(1)%>

 </td><td>

<%=rs.getString(2)%> </td><td>

<%=rs.getString(3)%></td><td>

<%=rs.getString(4)%></td><td>

 }

                }
```

```
            }


        catch(Exception e)

            {

                    e.printStackTrace();

            }




%>

</table>

</body>

</html>
```

PROPOSED MODEL

The Proposed Model provides an online information about the particular city going to visit. It also provides additional services to the registered user. 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 model makes the overall project management much easier and flexible.

- It can be accessed over the Internet.

- The city information files can be stored in centralized database which can be maintained by the system.

Requirement Tools

- **HARDWARE TOOLS:**

    - Pentium 233HZ 80 GB HD, 1024 MB RAM (Server).

    - Any P.C with Windows, 256 MB RAM (Client).

- Internet connection with 33.6 KBPS Modem

- **SOFTWARE TOOLS:**

    - Any Windows

    - Eclipse

    - JDBC ODBC 2.0 drivers installed

    - Database-Oracle10G

    - J2EE,AJAX,XML

TECHNOLOGY USED

- HTML

- Java script

- CSS

- SQL

- JAVA

REFERENCES

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- *Khan, Y. Z. (2015, January-March). Smart City "A Dream to be true". International Journal of Linguistics and Computational Applications (IJLCA), 2(1), 1--5.*

- *Pandey, M. (2014, September 13). Narendra Modi's imprint on smart city project. Retrieved March 10, 2015, from India Today: http://indiatoday.intoday.in/story/narendra-modi-imprint-on-smart-city-project/1/382571.html*

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- www.hyderabadcityinfo.com
- www.vizagcityonline.com
- http://smartcities.gov.in/content/innerpage/what-is-smart-city.php
- http://smartcitydehradun.uk.gov.in/

- https://en.wikipedia.org/wiki/Smart_city