**STUDENT DATA MANAGEMENT SYSTEM**

**A MINI PROJECT REPORT**

*Submitted by*

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*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF TECHNOLOGY**

*in*

**INFORMATION TECHNOLOGY**

****

**Accredited by NAAC with ‘A’ Grade**

**DECEMBER 2020**

**KARPAGAM COLLEGE OF ENGINEERING**

(AUTONOMOUS)

**COIMBATORE – 641 032**

**STUDENT DATA MANAGEMENT SYSTEM**

**BONAFIDE RECORD OF WORK DONE BY**

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Report submitted in partial fulfilment of the requirements for the degree of **BACHELOR OF TECHNOLOGY**

**in**

**INFORMATION TECHNOLOGY**

of Anna University, Chennai

**OCTOBER 2018**

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………………………....... ……………………….......

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**ACKNOWLEDGEMENT**

We express our sincere thanks to Karpagam educational and charitable trust for providing necessary facilities to bring out the project successfully. We felt greatness to record our thanks to the chairman **Dr.R.VASANTHAKUMAR, B.E.,(Hons),D.Sc** for all his support and ray of strengthening hope extended.

It is the moment of immense pride for us to reveal our profound thanks to our respected principal, **Dr.P.VIJAYAKUMAR, M.E., Ph.D.** who happens to be striving force in all our endeavours.

We express our sincere thanks to our **Dr.S.MANOJKUMAR, M.E., Ph.D.** Head of the Department of Information Technology for providing an opportunity to work on this project. His valuable suggestions helped us a lot to do this project.

A word of thanks would not be sufficient for the work of our project guide**, Ms.S.Gayathri M.E** Department of Information Technology whose efforts and inspiration lead us through every trying circumstance.

We would also like to recollect the courage and enthusiasm that was inculcated in us by our project co-ordinators**, Dr.G.RAJESHKUMAR, M.E, Ph.D. & Dr.R .MADHUMITHA, M.E., Ph.D.** Department of Information Technology for valuable guidance and support through the tenure of our project.

We deeply express our gratitude to all the members of the faculty of the Department of Information Technology for the encouragement, which we received throughout the semester.

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**ABSTRACT**

Student Information Management System (SIMS) provides a simple interface for maintenance of student information. It can be used by educational institutes or colleges to maintain the records of students easily. The creation and management of accurate, up-to-date information regarding a students’ academic career is critically important in the university as well as colleges. Student information system deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details, placement details and other resource related details too. It tracks all the details of a student from the day one to the end of the course which can be used for all reporting purpose, tracking of attendance, progress in the course, completed semesters, years, coming semester year curriculum details, exam details, project or any other assignment details, final exam result and all these will be available through a secure, online interface embedded in the college’s website.

**LIST OF FIGURES**

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**LIST OF ABBRIVIATIONS**

|  |  |
| --- | --- |
| CRUD | Create Read Update Delete |
| CSS | Cascading Style Sheets |
| HTML | Hyper Text MarkUp Language |
| JS | Java Script |
| JSP | Java Servelet Pages |
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**INTRODUCTION**

**INTRODUCTION TO DOMAIN**

Servlets is a Java based technology for server side processing. A servlet is a special Java class which is dynamically loaded on the server and used to generate dynamic content.

 Following are the general steps that happen when a client requests a servlet:

1. Client sends a HTTP request from web browser containing a URL with servlet.
2. Web server receives the request and forwards the request to application server.
3. Using information available in *xml*(deployment descriptor) the servlet container loads the object appropriate servlet class.
4. If required, the servlet retrieves data from database, processes it and sends the response back to web server.
5. Web server forwards the response back to the client who sent the request.

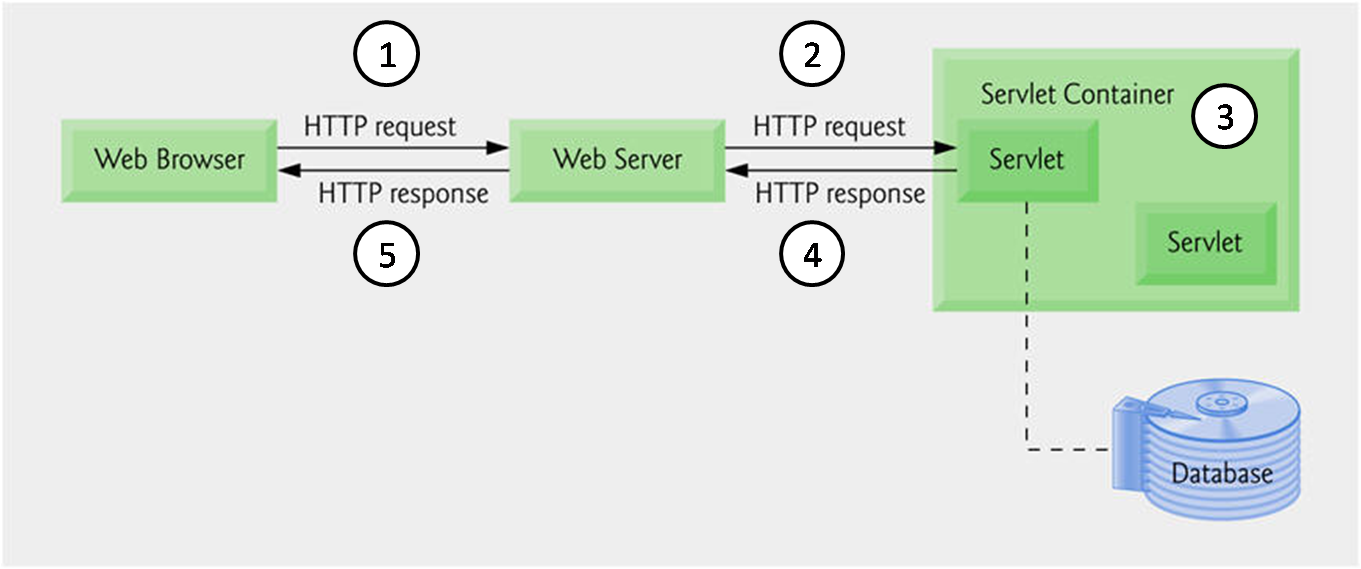


FIG 1.1

**PROJECT DESCRIPTION**

The **student management system** allows authorized members to access the record of academically registered **students**. It can be used in various educational institutes across the globe and simplifies working of institutes.

**PROPOSED WORK**

The proposed work in the project are the following

Home page

Login page

About

Login as Admin:

* Add Staff
* Add Student
* Delete Student
* Edit Student Detail
* Update Details
* Viewing Student Detail

Login as Staff:

* Add Student
* Delete Student
* Edit Student Detail
* Update Details
* Viewing Student Detail

Login as Student:

* Viewing Student Detail

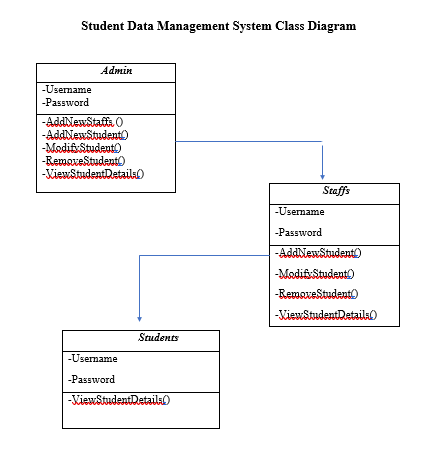
are done using html,css,javascript ,jsp,xml,servelet

**SYSTEM DESIGN & WORKING**

**SYSTEM ARCHITECTURE**

A **system architecture** is the conceptual model that defines the structure, behavior, and more views of a **system**.

An **architecture** description is a formal description and representation of a **system**, organized in a way that supports reasoning about the structures and behaviors of the **system**.



**MODULE DESCRIPTION**

**Working**

* **Home:** In home page about us and login link are available
* **Login:** It’s the page where user enters the Username and Password
* **Student page:** Details of students includes name, rollno, mail, Address, CGPA and Attendance also will be included
* **Add Staff:** Admin can add the new staff
* **Add Student:** Admin and Staff can add the Student Details
* **Edit Student:** Admin and Staff can Edit the Student Details
* **Delete Student:** Admin and Staff can Delete the Student Details
* **View Student Details:** Admin and Staff can view all Student Details. But the student can view his/her details only

**IMPLEMENTION**

**IMPLEMENTATION OF MODULES**

**Class files**

**LoginBean.java**

**package** model;

**import** java.io.Serializable;

**public** **class** LoginBean **implements** Serializable {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**private** String username;

**private** String password;

**public** String getUsername() {

**return** username;

}

**public** **void** setUsername(String username) {

**this**.username = username;

}

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

}

**StudentBean.java**

**package** model;

**import** java.io.Serializable;

**public** **class** StudentBean **implements** Serializable{

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**private** **int** id;

**private** String name;

**private** String rollno;

**private** String email;

**private** String address;

**private** String cgpa;

**private** String attendance;

**public** StudentBean() {

**super**();

**this**.id = id;

**this**.name = name;

**this**.rollno = rollno;

**this**.email = email;

**this**.address = address;

**this**.cgpa = cgpa;

**this**.attendance = attendance;

}

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getRollno() {

**return** rollno;

}

**public** **void** setRollno(String rollno) {

**this**.rollno = rollno;

}

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

**public** String getAddress() {

**return** address;

}

**public** **void** setAddress(String address) {

**this**.address = address;

}

**public** String getCgpa() {

**return** cgpa;

}

**public** **void** setCgpa(String cgpa) {

**this**.cgpa = cgpa;

}

**public** String getattendance() {

**return** attendance;

}

**public** **void** setattendance(String attendance) {

**this**.attendance = attendance;

}

**public** **static** **long** getSerialversionuid() {

**return** ***serialVersionUID***;

}

}

**AddStaffBean.java**

**package** model;

**import** java.io.Serializable;

**public** **class** AddStaffBean **implements** Serializable{

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**private** **int** id;

**private** String name;

**private** String pass;

**public** AddStaffBean() {

**super**();

**this**.id = id;

**this**.name = name;

**this**.pass = pass;

}

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **void** setpassword(String pass) {

**this**.pass = pass;

}

**public** **static** **long** getSerialversionuid() {

**return** ***serialVersionUID***;

}

**public** String getpassword() {

**return** pass;

}

}

**Connection Files**

**LoginDao.java**

package database;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import model.LoginBean;

public class LoginDao {

public boolean validate(LoginBean loginBean) throws ClassNotFoundException {

boolean status = false;

Class.forName("com.mysql.jdbc.Driver");

try (Connection connection = DriverManager

.getConnection("jdbc:mysql://localhost:3306/demo", "root", "1234");

PreparedStatement preparedStatement = connection

.prepareStatement("select \* from login where username = ? and password = ? ")) {

preparedStatement.setString(1, loginBean.getUsername());

preparedStatement.setString(2, loginBean.getPassword());

System.out.println(preparedStatement);

ResultSet rs = preparedStatement.executeQuery();

status = rs.next();

} catch (SQLException e) {

System.out.println(e);

}

return status;

}

}

**StudentDao.java**

package database;

import java.sql.\*;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.List;

import model.StudentBean;

public class StudentDao {

public static Connection getConnection(){

Connection con=null;

try{

Class.forName("com.mysql.jdbc.Driver");

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/demo", "root", "1234");

}catch(Exception e){System.out.println(e);}

return con;

}

public static int save(StudentBean e){

int status=0;

try{

Connection con=StudentDao.getConnection();

PreparedStatement ps=con.prepareStatement("INSERT INTO users" + "(name, rollno, email, address, cgpa, attendance) VALUES "

+ " (?, ?, ?, ?, ?, ?);");

ps.setString(1,e.getName());

ps.setString(2,e.getRollno());

ps.setString(3,e.getEmail());

ps.setString(4,e.getAddress());

ps.setString(5,e.getCgpa());

ps.setString(6,e.getattendance());

status=ps.executeUpdate();

con.close();

}catch(Exception ex){ex.printStackTrace();}

return status;

}

public static int update(StudentBean e){

int status=0;

try{

Connection con=StudentDao.getConnection();

PreparedStatement ps=con.prepareStatement("update users set name = ?, rollno = ?,email= ?, address = ?, cgpa = ?,attendance =? where id = ?;");

ps.setString(1,e.getName());

ps.setString(2,e.getRollno());

ps.setString(3,e.getEmail());

ps.setString(4,e.getAddress());

ps.setString(5,e.getCgpa());

ps.setString(6,e.getattendance());

ps.setInt(7,e.getId());

System.out.println(ps);

status=ps.executeUpdate();

con.close();

}catch(Exception ex){ex.printStackTrace();}

return status;

}

public static int delete(int id){

int status=0;

try{

Connection con=StudentDao.getConnection();

PreparedStatement ps=con.prepareStatement("delete from users where id=?");

ps.setInt(1,id);

status=ps.executeUpdate();

con.close();

}catch(Exception e){e.printStackTrace();}

return status;

}

public static StudentBean getStudentById(int id){

StudentBean e=new StudentBean();

try{

Connection con=StudentDao.getConnection();

PreparedStatement ps=con.prepareStatement("select \* from users where id=?");

ps.setInt(1,id);

ResultSet rs=ps.executeQuery();

if(rs.next()){

e.setId(rs.getInt(1));

e.setName(rs.getString(2));

e.setRollno(rs.getString(3));

e.setEmail(rs.getString(4));

e.setAddress(rs.getString(5));

e.setCgpa(rs.getString(6));

e.setattendance(rs.getString(7));

}

con.close();

}catch(Exception ex){ex.printStackTrace();}

return e;

}

public static List<StudentBean> getAllStudents(){

List<StudentBean> list=new ArrayList<StudentBean>();

try{

Connection con=StudentDao.getConnection();

PreparedStatement ps=null;

System.out.println(ps);

ps=con.prepareStatement("select \* from users;");

System.out.println(ps);

ResultSet rs=ps.executeQuery();

while(rs.next()){

StudentBean e=new StudentBean();

e.setId(rs.getInt(1));

e.setName(rs.getString(2));

e.setRollno(rs.getString(3));

e.setEmail(rs.getString(4));

e.setAddress(rs.getString(5));

e.setCgpa(rs.getString(6));

e.setattendance(rs.getString(7));

list.add(e);

}

con.close();

}catch(Exception e){e.printStackTrace();}

return list;

}

}

**AddStaffDAO.java**

package database;

import java.sql.\*;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.ArrayList;

import java.util.List;

import model.AddStaffBean;

public class AddStaffDAO {

public static Connection getConnection(){

Connection con=null;

try{

Class.forName("com.mysql.jdbc.Driver");

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/demo", "root", "1234");

}catch(Exception e){System.out.println(e);}

return con;

}

public static int save(AddStaffBean e){

int status=0;

try{

Connection con=AddStaffDAO.getConnection();

PreparedStatement ps=con.prepareStatement("INSERT INTO login" + "(username, password) VALUES "

+ " (?, ?);");

ps.setString(1,e.getName());

ps.setString(2,e.getpassword());

status=ps.executeUpdate();

con.close();

}catch(Exception ex){ex.printStackTrace();}

return status;

}

}

**ViewStudentDAO.java**

package database;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import model.StudentBean;

public class ViewStudentDAO {

public static Connection getConnection(){

Connection con=null;

try{

Class.forName("com.mysql.jdbc.Driver");

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/demo", "root", "1234");

}catch(Exception e){System.out.println(e);}

return con;

}

public static StudentBean getStudentById(String id){

StudentBean e=new StudentBean();

try{

Connection con=StudentDao.getConnection();

PreparedStatement ps=con.prepareStatement("select \* from users where rollno=?");

ps.setString(1,id);

ResultSet rs=ps.executeQuery();

if(rs.next()){

e.setId(rs.getInt(1));

e.setName(rs.getString(2));

e.setRollno(rs.getString(3));

e.setEmail(rs.getString(4));

e.setAddress(rs.getString(5));

e.setCgpa(rs.getString(6));

e.setattendance(rs.getString(7));

}

con.close();

}catch(Exception ex){ex.printStackTrace();}

return e;

}

}

**Servlet File**

**LoginServlet.java**

package web;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import database.LoginDao;

import database.ViewStudentDAO;

import model.LoginBean;

import model.StudentBean;

@WebServlet("/Login")

public class LoginServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

private LoginDao loginDao;

public void init() {

loginDao = new LoginDao();

}

public LoginServlet() {

super();

// TODO Auto-generated constructor stub

}

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

HttpSession session=request.getSession();

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

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

LoginBean loginBean = new LoginBean();

loginBean.setUsername(username);

loginBean.setPassword(password);

session.setAttribute("username", username);

System.out.println(password);

try {

if (loginDao.validate(loginBean)) {

if(loginBean.getPassword().equals("admin")) {

response.sendRedirect("ViewStaffServlet");

}

else if(loginBean.getPassword().equals("kce")) {

response.sendRedirect("ViewServlet");

}

else {

response.setContentType("text/html");

PrintWriter out1=response.getWriter();

out1.println("<table width=\"100%\">\r\n" +

" <tr height=\"90px\">\r\n" +

" <td width=\"40%\"><center><img src=\"https://nkstudios.in/kce/new/wp-content/uploads/2020/01/KCELogo.png\" alt=\"image not found\" height=\"70px\" width=\"60%\"></center></td><td width=\"20%\"><center><a href=\"tel:+91-4222619005\" >+91 -4222619005 <center></td><td width=\"20%\"><center><a href=\"mailto:info@kce.ac.in\"> info@kce.ac.in <center></td><td width=\"9%\"><center><a href=\"CollagePage.jsp\" > About us</center></td>\r\n" +

" </tr>\r\n" +

" </table>\r\n" +

" <hr>");

out1.println("<body background='backgrnd[2].gif' text=black>");

session.invalidate();

session=request.getSession();

out1.println(" <button><a href=\"login.html\">Logout</a></button>");

out1.println("<h1>Student List</h1>");

System.out.println(username);

StudentBean e=ViewStudentDAO.getStudentById(username);

out1.print("<table border='1' width='100%'");

out1.print("<tr><th>Id</th><th>Name</th><th>Rollno</th><th>Email</th><th>Address</th><th>CGPA</th><th>Attendance</th>");

out1.print("<tr><td>"+e.getId()+"</td><td>"+e.getName()+"</td><td>"+e.getRollno()+"</td><td>"+e.getEmail()+"</td><td>"+e.getAddress()+"</td><td>"+e.getCgpa()+"</td><td>"+e.getattendance()+"</td>");

out1.print("</table>");

out1.print("</body>");

out1.close();

}

}

else {

out.print("<p>Enter Correct Password!</p>");

request.getRequestDispatcher("login.html").include(request, response);

}

} catch (ClassNotFoundException e) {

e.printStackTrace();

}

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

// TODO Auto-generated method stub

doGet(request, response);

}

}

**AddStaffServlet.java**

package web;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import database.AddStaffDAO;

import model.AddStaffBean;

@WebServlet("/AddStaffServlet")

public class AddStaffServlet extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

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

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

AddStaffBean e=new AddStaffBean();

e.setName(name);

e.setpassword(pass);

int status=AddStaffDAO.save(e);

if(status>0){

out.print("<p>Record saved successfully!</p>");

request.getRequestDispatcher("AddStudent.html").include(request, response);

}else{

out.println("Sorry! unable to save record");

}

out.close();

}

}

**DeleteServlet.java**

package web;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import database.StudentDao;

@WebServlet("/DeleteServlet")

public class DeleteServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

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

int id=Integer.parseInt(sid);

StudentDao.delete(id);

response.sendRedirect("ViewServlet");

}

}

**EditServlet.java**

package web;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import database.StudentDao;

import model.StudentBean;

@WebServlet("/EditServlet")

public class EditServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

out.println("<table width=\"100%\">\r\n" +

" <tr height=\"90px\">\r\n" +

" <td width=\"40%\"><center><img src=\"https://nkstudios.in/kce/new/wp-content/uploads/2020/01/KCELogo.png\" alt=\"image not found\" height=\"70px\" width=\"60%\"></center></td><td width=\"20%\"><center><a href=\"tel:+91-4222619005\" >+91 -4222619005 <center></td><td width=\"20%\"><center><a href=\"mailto:info@kce.ac.in\"> info@kce.ac.in <center></td><td width=\"9%\"><center><a href=\"CollagePage.jsp\" > About us</center></td>\r\n" +

" </tr>\r\n" +

" </table>\r\n" +

" <hr>");

out.println("<h1>Update Employee</h1>");

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

int id=Integer.parseInt(sid);

StudentBean e=StudentDao.getStudentById(id);

out.print("<form action='EditServlet2' method='post'>");

out.print("<table>");

out.print("<tr><td></td><td><input type='hidden' name='id' value='"+e.getId()+"'/></td></tr>");

out.print("<tr><td>Name:</td><td><input type='text' name='name' value='"+e.getName()+"'/></td></tr>");

out.print("<tr><td>RollNo:</td><td><input type='text' name='rollno' value='"+e.getRollno()+"'/></td></tr>");

out.print("<tr><td>Email:</td><td><input type='email' name='email' value='"+e.getEmail()+"'/></td></tr>");

out.print("<tr><td>Address:</td><td><input type='text' name='address' value='"+e.getAddress()+"'/></td></tr>");

out.print("<tr><td>CGPA:</td><td><input type='text' name='cgpa' value='"+e.getCgpa()+"'/></td></tr>");

out.print("<tr><td>Attendance:</td><td><input type='text' name='attendance' value='"+e.getattendance()+"'/></td></tr>");

out.print("</td></tr>");

out.print("<tr><td colspan='2'><input type='submit' value='Edit &amp; Save '/></td></tr>");

out.print("</table>");

out.print("</form>");

out.close();

}

}

**EditServlet2.java**

package web;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import database.StudentDao;

import model.StudentBean;

@WebServlet("/EditServlet2")

public class EditServlet2 extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

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

int id=Integer.parseInt(sid);

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

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

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

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

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

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

StudentBean e=new StudentBean();

e.setId(id);

e.setName(name);

e.setRollno(rollno);

e.setEmail(email);

e.setAddress(address);

e.setCgpa(cgpa);

e.setattendance(attendance);

int status=StudentDao.update(e);

if(status>0){

response.sendRedirect("ViewServlet");

}else{

out.println("Sorry! unable to update record");

}

out.close();

}

}

**SaveServlet.java**

package web;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import database.StudentDao;

import model.StudentBean;

@WebServlet("/SaveServlet")

public class SaveServlet extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

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

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

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

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

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

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

StudentBean e=new StudentBean();

e.setName(name);

e.setRollno(rollno);

e.setEmail(email);

e.setAddress(address);

e.setCgpa(cgpa);

e.setattendance(attendance);

int status=StudentDao.save(e);

if(status>0){

out.print("<p>Record saved successfully!</p>");

request.getRequestDispatcher("AddStudent.html").include(request, response);

}else{

out.println("Sorry! unable to save record");

}

out.close();

}

}

**ViewServlet.java**

package web;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import database.StudentDao;

import model.StudentBean;

@WebServlet("/ViewServlet")

public class ViewServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

out.println("<table width=\"100%\">\r\n" +

" <tr height=\"90px\">\r\n" +

" <td width=\"40%\"><center><img src=\"https://nkstudios.in/kce/new/wp-content/uploads/2020/01/KCELogo.png\" alt=\"image not found\" height=\"70px\" width=\"60%\"></center></td><td width=\"20%\"><center><a href=\"tel:+91-4222619005\" >+91 -4222619005 <center></td><td width=\"20%\"><center><a href=\"mailto:info@kce.ac.in\"> info@kce.ac.in <center></td><td width=\"9%\"><center><a href=\"CollagePage.jsp\" > About us</center></td>\r\n" +

" </tr>\r\n" +

" </table>\r\n" +

" <hr>");

out.println("<body background='#cccccc' text=black>");

out.println(" <button><a href='AddStudent.html'>Add New Student</a></button>&nbsp&nbsp&nbsp&nbsp" +

" <button><a href=\"login.html\">Logout</a></button>");

out.println("<h1>Student List</h1>");

List<StudentBean> list=StudentDao.getAllStudents();

out.print("<table border='1' width='100%'");

out.print("<tr><th>Id</th><th>Name</th><th>Rollno</th><th>Email</th><th>Address</th><th>CGPA</th><th>Attendance</th><th>Edit</th><th>Delete</th></tr>");

for(StudentBean e:list){

out.print("<tr><td>"+e.getId()+"</td><td>"+e.getName()+"</td><td>"+e.getRollno()+"</td><td>"+e.getEmail()+"</td><td>"+e.getAddress()+"</td><td>"+e.getCgpa()+"</td><td>"+e.getattendance()+"</td><td><a href='EditServlet?id="+e.getId()+"'>Edit</a></td><td><a href='DeleteServlet?id="+e.getId()+"'>Delete</a></td></tr>");

}

out.print("</table>");

out.print("</body>");

out.close();

}

}

**ViewStaffServlet.java**

package web;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import database.StudentDao;

import model.StudentBean;

@WebServlet("/ViewStaffServlet")

public class ViewStaffServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

out.println("<table width=\"100%\">\r\n" +

" <tr height=\"90px\">\r\n" +

" <td width=\"40%\"><center><img src=\"https://nkstudios.in/kce/new/wp-content/uploads/2020/01/KCELogo.png\" alt=\"image not found\" height=\"70px\" width=\"60%\"></center></td><td width=\"20%\"><center><a href=\"tel:+91-4222619005\" >+91 -4222619005 <center></td><td width=\"20%\"><center><a href=\"mailto:info@kce.ac.in\"> info@kce.ac.in <center></td><td width=\"9%\"><center><a href=\"CollagePage.jsp\" > About us</center></td>\r\n" +

" </tr>\r\n" +

" </table>\r\n" +

" <hr>");

out.println("<body background='backgrnd[2].gif' text=black>");

out.println(" <button><a href='AddStudent.html'>Add New Student</a></button>&nbsp&nbsp&nbsp&nbsp" +

"<button><a href='AddStaff.html'>Add New Staff</a></button> &nbsp&nbsp&nbsp&nbsp <button><a href=\"login.html\">Logout</a></button>");

out.println("<h1>Student List</h1>");

List<StudentBean> list=StudentDao.getAllStudents();

out.print("<table border='1' width='100%'");

out.print("<tr><th>Id</th><th>Name</th><th>Rollno</th><th>Email</th><th>Address</th><th>CGPA</th><th>Attendance</th><th>Edit</th><th>Delete</th></tr>");

for(StudentBean e:list){

out.print("<tr><td>"+e.getId()+"</td><td>"+e.getName()+"</td><td>"+e.getRollno()+"</td><td>"+e.getEmail()+"</td><td>"+e.getAddress()+"</td><td>"+e.getCgpa()+"</td><td>"+e.getattendance()+"</td><td><a href='EditServlet?id="+e.getId()+"'>Edit</a></td><td><a href='DeleteServlet?id="+e.getId()+"'>Delete</a></td></tr>");

}

out.print("</table>");

out.print("</body>");

out.close();

}

}

**Web Files**

**index.html**

<!DOCTYPE HTML>

<html>

<head>

<title>SDM Page</title>

<style>

**body**{

background-image:*url("home-hero3.jpg")*;

background-repeat:*no-repeat*;

background-size: *cover*;

}

</style>

</head>

<body text=*red* >

<table width=*"100%"*>

<tr height=*"90px"*>

<td width=*"40%"*><center><img src=*"https://nkstudios.in/kce/new/wp-content/uploads/2020/01/KCELogo.png"* alt=*"image not found"* height=*"70px"* width=*"60%"*></center></td><td width=*"20%"*><center><a href=*"tel:+91-4222619005"* >+91 -4222619005 <center></td><td width=*"20%"*><center><a href=*"mailto:info@kce.ac.in"*> info@kce.ac.in <center></td><td width=*"9%"*><center><a href=*"CollagePage.html"* > About us</center></td>

</tr>

</table>

<div >

<hr>

<center>

<table bordercolor=*black* cellspacing=*0* cellpadding=*5* cols=*1* width=*"50%"* style="text-align:*right*">

<tr><td><h1><i><marquee >Student DataBase Management </marquee></i></h1></td></tr></center></table></center>

<marquee behavior=*alternate*><h1 style="text-align:*center*;color:*#e74c3c*">Welcome To Student DataBase Management</h2></marquee>

<p style="text-align:*center*">

<button><a href=*"Login"*> Click here to Login</a></button></p>

</div>

</body>

</html>

**Login.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Login Page</title>

<style>

**body**{

background-image:*url('unnamed.jpg')*;

background-repeat:*no-repeat*;

background-size: *cover*;

}

</style>

<script>

**function** checkPassword(form) {

password = form.password.value;

**if** (password == '')

alert ("Please enter Password");

}

</script>

</head>

<body>

<table width=*"100%"*>

<tr height=*"90px"*>

<td width=*"40%"*><center><img src=*"https://nkstudios.in/kce/new/wp-content/uploads/2020/01/KCELogo.png"* alt=*"image not found"* height=*"70px"* width=*"60%"*></center></td><td width=*"20%"*><center><a href=*"tel:+91-4222619005"* >+91 -4222619005 <center></td><td width=*"20%"*><center><a href=*"mailto:info@kce.ac.in"*> info@kce.ac.in <center></td><td width=*"9%"*><center><a href=*"CollagePage.jsp"* > About us</center></td>

</tr>

</table>

<hr>

<h1 style="text-align:*center*;color:*#e74c3c*"> Welcome to KCE </h1>

<marquee direction=*"down"* height=*"100"* behavior=*"alternate"*><marquee>

<font color=*'#e74c3c'* face=*'jokerman'* size=*'5'*>Latest News</font>

</marquee></marquee>

<hr>

<div width=*"30%"*>

<form action=*"Login"* method=*"get"* name=*"myfarm"* onSubmit = "return checkPassword(this)">

<table cellspacing=*"0"* cellpadding= *"7"* width = *"30%"* style="background-color:*#2c2c54*;

border-radius: *5px*; padding: *0px*; margin:*auto*; font-size:*15px*; color:*yellow*; text-align:*right*">

<tr><td colspan=*"2"* style="text-align:*center*">Sign In</td></tr>

<tr><td>UserName : </td><td><input type=*"text"* placeholder=*"Username"* name=*"username"* required> </td></tr>

<tr><td>PassWord</td><td><input type=*"password"* id=*"password"* placeholder=*"Password"* name=*"password"* required></td></tr>

<tr><td><input type=*"submit"* onclick="StaffPage.html" value=*"Sign In"*></td>

<td><input type=*"submit"* value=*"ForgetPassword"*></td></tr>

</table>

</form>

</div>

</body>

<br><br><br><br><br><br><br><br><br><br><br><br><br>

<!--

<footer>

<table width="100%" bgcolor="#34495e" class="a">

<tr height="100px">

<td width= 10%><center><a href="CollagePage.html" style="color:white";>About us</center></td>

<td width= 10%><center><p style="color:white";>Sitemap</center></td>

<td width= 10%><center><p style="color:white";>Terms of use</center></td>

<td width= 10%><center><p style="color:white";>Privacy policy</center></td>

<td width= 30%><center></center></td>

<td width = 30%><p><center><p style="color:white";>Copy Right @2020</center></p></td></tr></table>

</footer>-->

</html>

**AddStaff.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>AddStaff</title>

</head>

<body background=*"backgrnd[2].gif"* text=*red* >

<table width=*"100%"*>

<tr height=*"90px"*>

<td width=*"40%"*><center><img src=*"https://nkstudios.in/kce/new/wp-content/uploads/2020/01/KCELogo.png"* alt=*"image not found"* height=*"70px"* width=*"60%"*></center></td><td width=*"20%"*><center><a href=*"tel:+91-4222619005"* >+91 -4222619005 <center></td><td width=*"20%"*><center><a href=*"mailto:info@kce.ac.in"*> info@kce.ac.in <center></td><td width=*"9%"*><center><a href=*"CollagePage.jsp"* > About us</center></td>

</tr>

</table>

<hr>

<button><a href=*"ViewStaffServlet"*>Back</a></button>

<button><a href=*"login.html"*>Logout</a></button>

<form action=*"AddStaffServlet"* method=*"post"*>

<table cellspacing=*"0"* cellpadding= *"7"* width = *"40%"* style=" border-radius: *5px*;

padding: *0px*; margin:*auto*; font-size:*18px*; text-align:*right*">

<tr><td colspan=*"2"*><center><h3>Add New Staff</h3></center></td></tr>

<tr><td>Staff UserName</td><td><input type=*"text"* placeholder=*"StaffUsername"* name=*"name"* required></td></tr>

<tr><td>Staff PassWord</td><td><input type=*"text"* placeholder=*"StaffPassWord"* name=*"pass"* required></td></tr>

<tr><td colspan=*"2"*><input type=*"submit"* value=*"Save Staff"*/></td></tr>

</table>

</form>

<br/>

</body>

</html>

**AddStudent.java**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>AddStudent</title>

</head>

<body background=*"backgrnd[2].gif"* text=*red* >

<table width=*"100%"*>

<tr height=*"90px"*>

<td width=*"40%"*><center><img src=*"https://nkstudios.in/kce/new/wp-content/uploads/2020/01/KCELogo.png"* alt=*"image not found"* height=*"70px"* width=*"60%"*></center></td><td width=*"20%"*><center><a href=*"tel:+91-4222619005"* >+91 -4222619005 <center></td><td width=*"20%"*><center><a href=*"mailto:info@kce.ac.in"*> info@kce.ac.in <center></td><td width=*"9%"*><center><a href=*"CollagePage.jsp"* > About us</center></td>

</tr>

</table>

<hr>

<button><a href=*"ViewServlet"*>View Students</a></button>&nbsp&nbsp&nbsp&nbsp

<button><a href=*"login.html"*>Logout</a></button>

<form action=*"SaveServlet"* method=*"post"*>

<table cellspacing=*"0"* cellpadding= *"7"* width = *"40%"* style=" border-radius: *5px*;

padding: *0px*; margin:*auto*; font-size:*18px*; text-align:*right*">

<tr><td colspan=*"2"*><center><h3>Add New Student</h3></center></td></tr>

<tr><td>Student Name</td><td><input type=*"text"* placeholder=*"Studentname"* name=*"name"* required></td></tr>

<tr><td>Student Rollno</td><td><input type=*"text"* placeholder=*"StudentRollno"* name=*"rollno"* required></td></tr>

<tr><td>Student Email</td><td><input type=*"text"* placeholder=*"StudentEmail"* name=*"email"* required></td></tr>

<tr><td>Student Address</td><td><input type=*"text"* placeholder=*"StudentAddress"* name=*"address"* required></td></tr>

<tr><td>CGPA</td><td><input type=*"text"* placeholder=*"CGPA"* name=*"cgpa"* required></td></tr>

<tr><td>Attendance</td><td><input type=*"text"* placeholder=*"Attendance"* name=*"attendance"* required></td></tr>

<tr><td colspan=*"2"*><input type=*"submit"* value=*"Save Student"*/></td></tr>

</table>

</form>

<br/>

</body>

</html>

**CollegePage.jsp**

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

pageEncoding=*"ISO-8859-1"*%>

<%@page import=*"database.\*"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Karpagam College of Engineering</title>

<style>

*.bb*{

padding:*10px*;

font-size:*18px*;

word-spacing:*5px*;

letter-spacing:*1px*;

text-align:*justify*;

line-height:*30px*;

}

*.a:hover*{

}

</style>

</head>

<body style="background-image:*url('F:/WorkSpaces/Eclipse/SDMS/WebContent/unnamed.jpg')*;background-repeat:*no-repeat*;background-size: *cover*;">

<table width=*"100%"*>

<tr height=*"90px"*>

<td width=*"40%"*><center><img src=*"https://nkstudios.in/kce/new/wp-content/uploads/2020/01/KCELogo.png"* alt=*"image not found"* height=*"70px"* width=*"60%"*></center></td><td width=*"20%"*><center><a href=*"tel:+91-4222619005"* >+91 -4222619005 <center></td><td width=*"20%"*><center><a href=*"mailto:info@kce.ac.in"*> info@kce.ac.in <center></td><td width=*"9%"*><center><a href=*"CollagePage.html"* > About us</center></td>

</tr>

</table>

<table border=*"0"* width=*"100%"* bgcolor=*"#ecf0f1"* cellpadding=*"0"* cellspacing=*"0"*>

<tr height=*"80px"*>

<td width=*"15%"*><a href=*"https://kce.ac.in/profile/"*><center>ABOUT US</center></a></td>

<td width=*"12%"*><a href=*"https://kce.ac.in/department-of-information-technology/"*><center>ACADIMICS</center></a></td>

<td width=*"15%"*><a href=*"https://kce.ac.in/courses-offered/"*><center>COURSES OFFERED</center></a></td>

<td width=*"15%"*><a href=*"https://kce.ac.in/campus/karpagam-innovation-centre/"*><center>CENTER OF EXCELLENCE</center></a></td>

<td width=*"15%"*><a href=*"https://kce.ac.in/placement/overview/"*><center>PLACEMENT</center></a></td>

<td width=*"10%"*><a href=*"https://kce.ac.in/media/photo-gallery/"*><center>MEDIA</center></a></td>

<td width=*"15%"*><a href=*"https://kce.ac.in/contact-us/"*><center>CONTACT US</center></a></td>

</tr>

</table>

<h1>ABOUT US</h1>

<table>

<tr>

<td width=*"30%"*><p class=*"bb"*>KCE was established with the vision of providing cutting edge technical education and to create proficient engineers. The college is accredited by NAAC with â˜Aâ™ Grade, TCS, Wipro and NBA . KCE strives to impart quality education and an excellent career start to all its students.</p>

</td><td width=*"30%"*><img src=*"https://kce.ac.in/new/wp-content/uploads/2020/01/about-img-home1.jpg"* alt=*"img-home"*></td>

<td width=*"30%"*>

<table>

<tr><td><center></center></td></tr>

<tr><td><center></center></td></tr>

<tr><td><center></center></td></tr>

<tr><td><center></center></td></tr>

</table>

</td>

</tr>

</table>

<br><br>

<img width=*"300"* height=*"87"* src=*"https://kce.ac.in/new/wp-content/uploads/2020/03/kce-logo-footer-white-300x87.png"*>

<p>Myleripalayam Village,<br>

Othakkal Mandapam Post,<br>

Coimbatore - 641032,<br>

Tamilnadu, India.</p>

<a href=*"https://www.facebook.com/WeKCEians/"* target=*"\_blank"*>FaceBook<br>

<a href=*"https://twitter.com/wekceians/"* target=*"\_blank"*>Twitter<br>

<a href=*"https://www.youtube.com/kictv/"* target=*"\_blank"*>YouTube<br>

<a href=*"https://www.instagram.com/wekceians/"* target=*"\_blank"*>Instagram</a><br>

Copyright Â© Concept by <a href=*"http://irepute.in/"* target=*"\_blank"*>repute</a>

</html>

**Screenshots**

**index page**

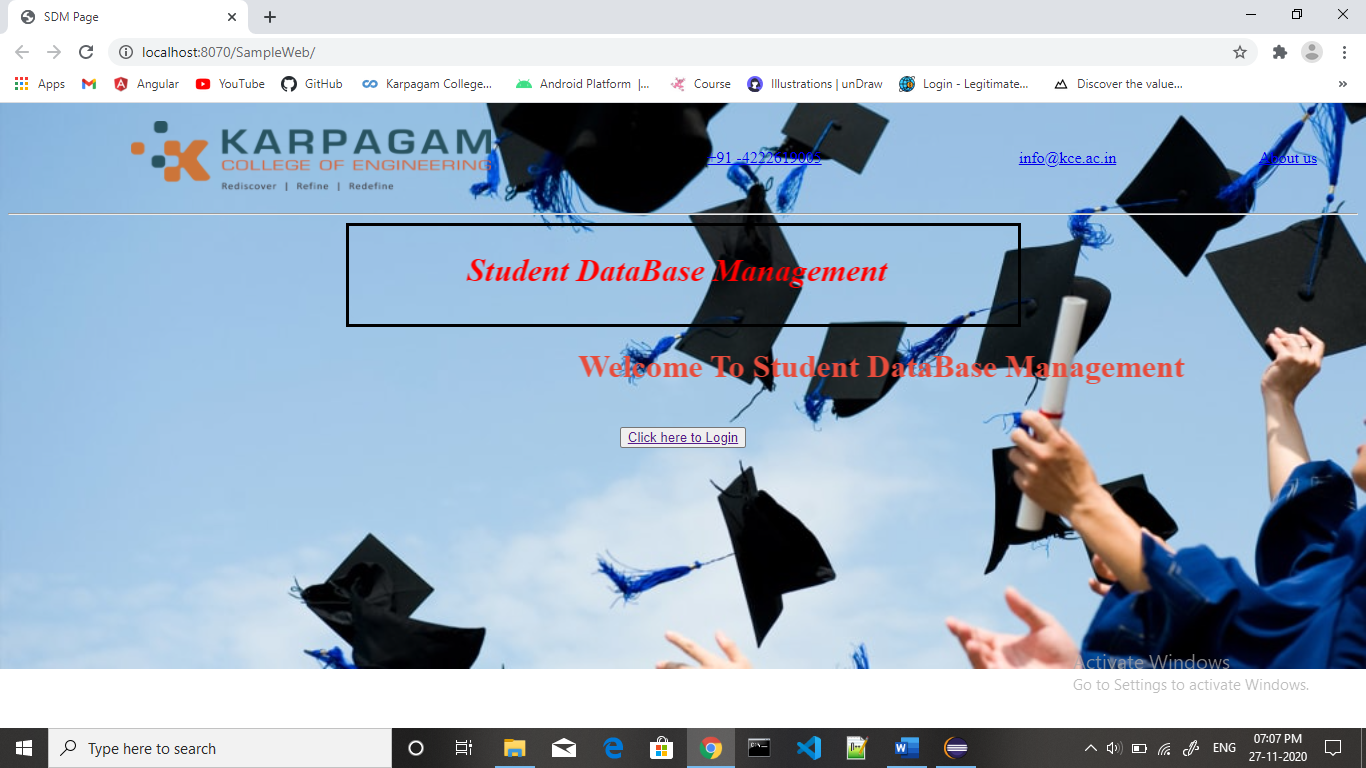


Fig No 4.2.1

**Login page**

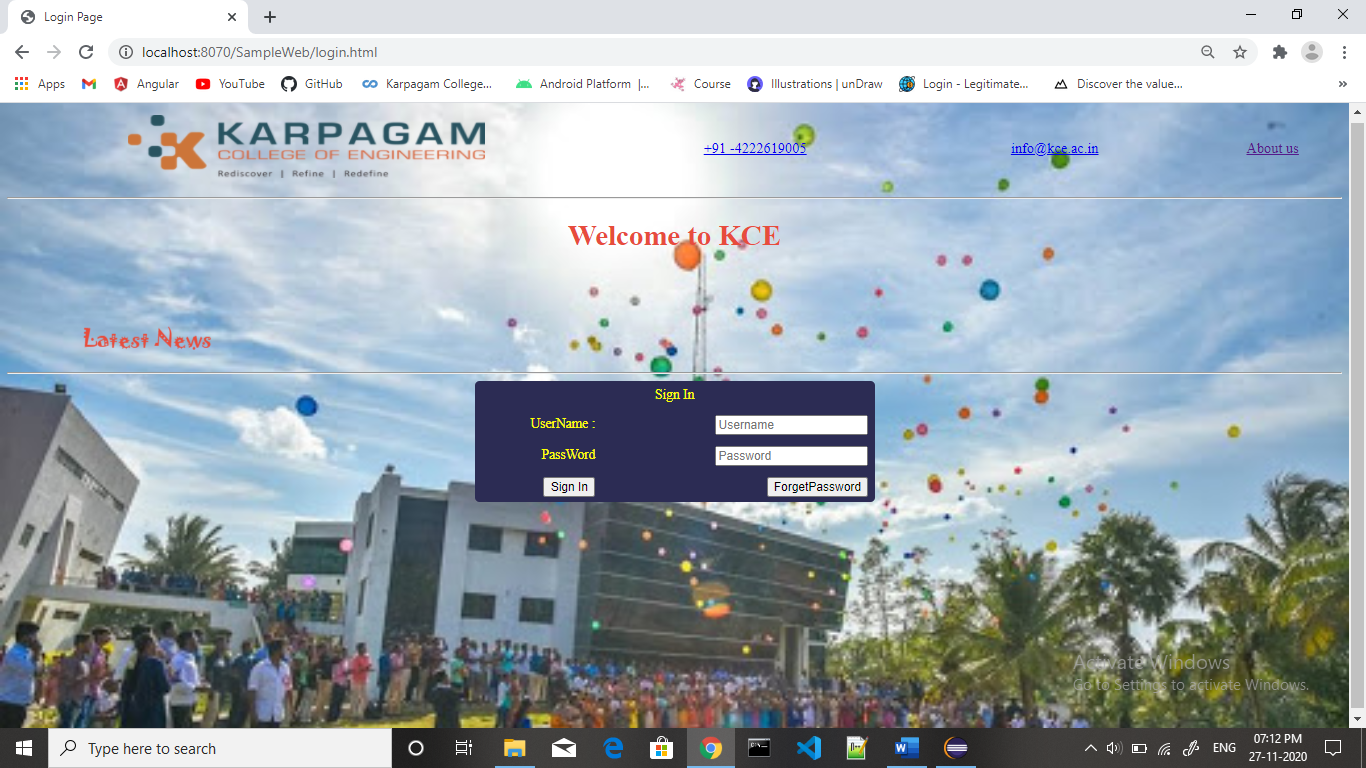


Fig No 4.2.2

**Admin Page**

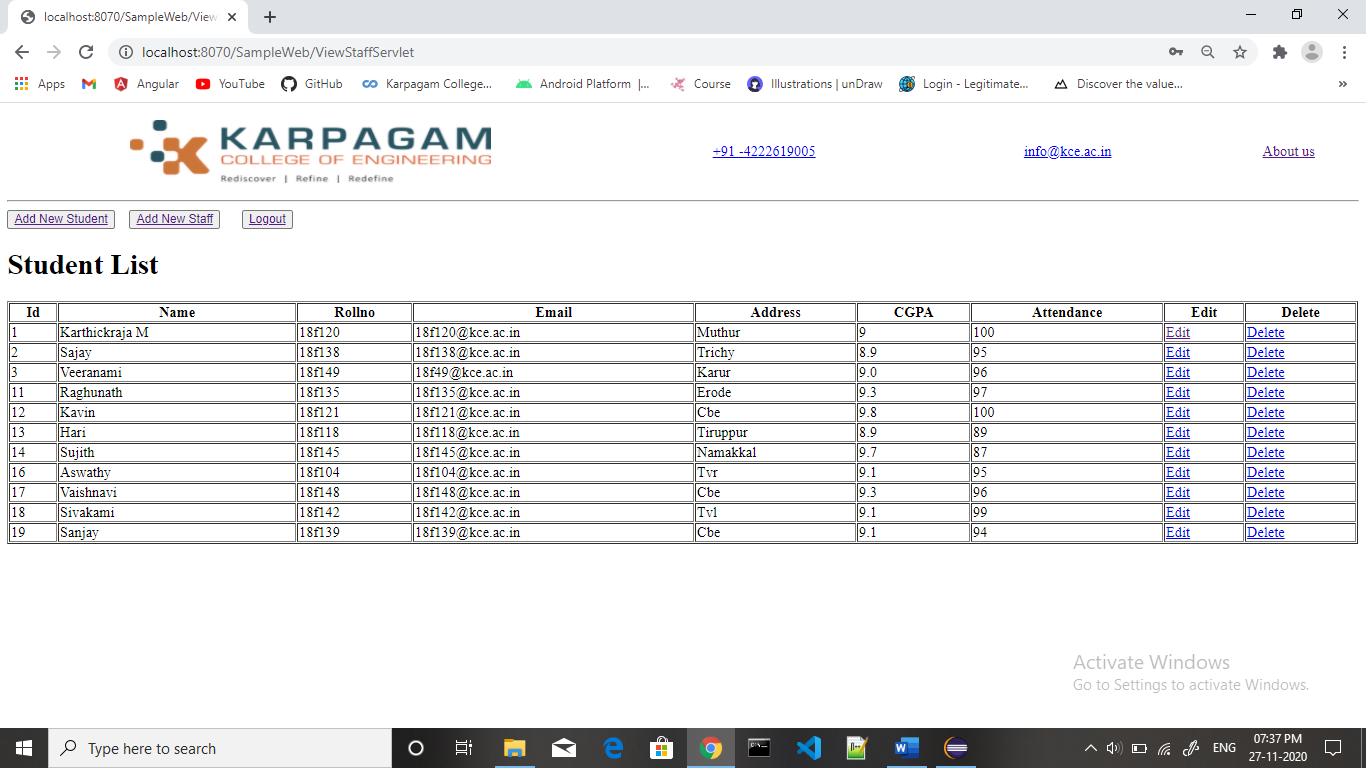


Fig No 4.2.3

**AddStudent Page**

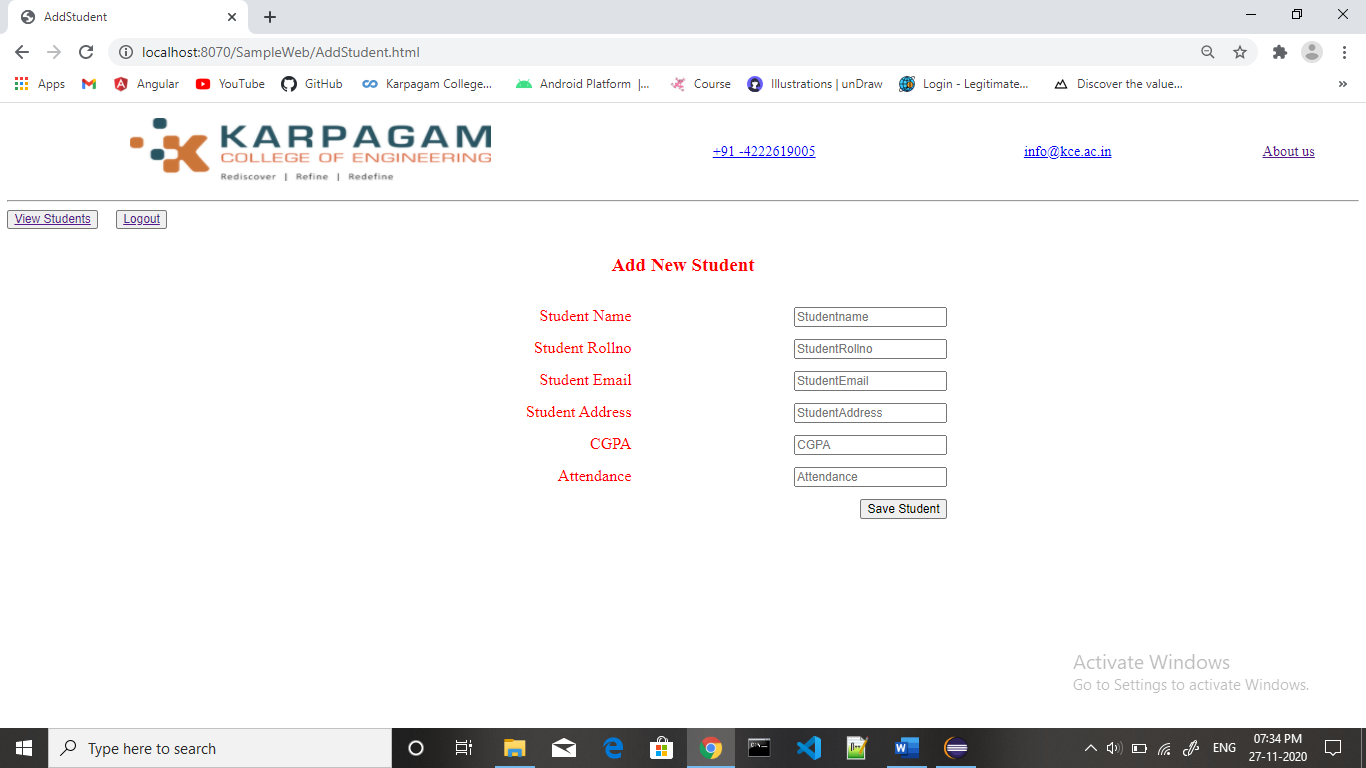


Fig No 4.2.4

**AddStaff Page**

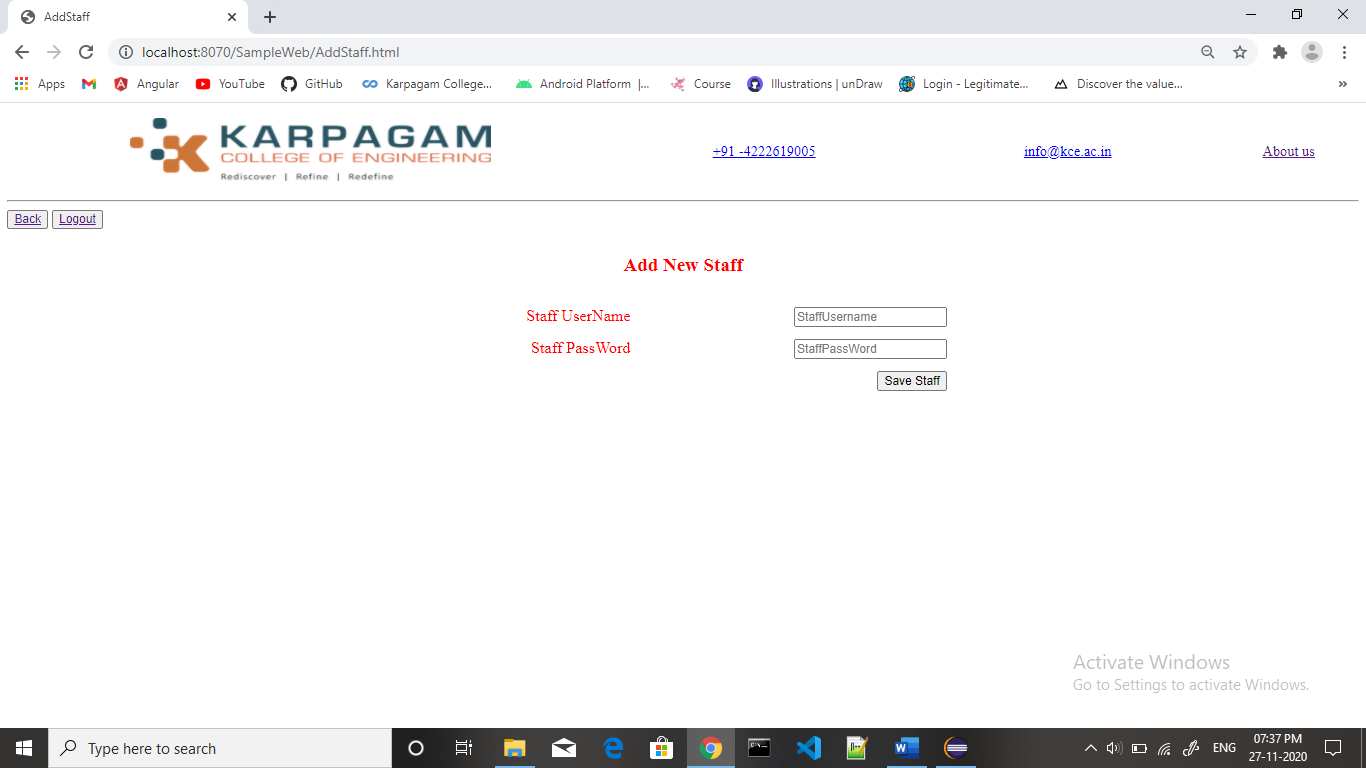


Fig No 4.2.5

**EditStudent Page**

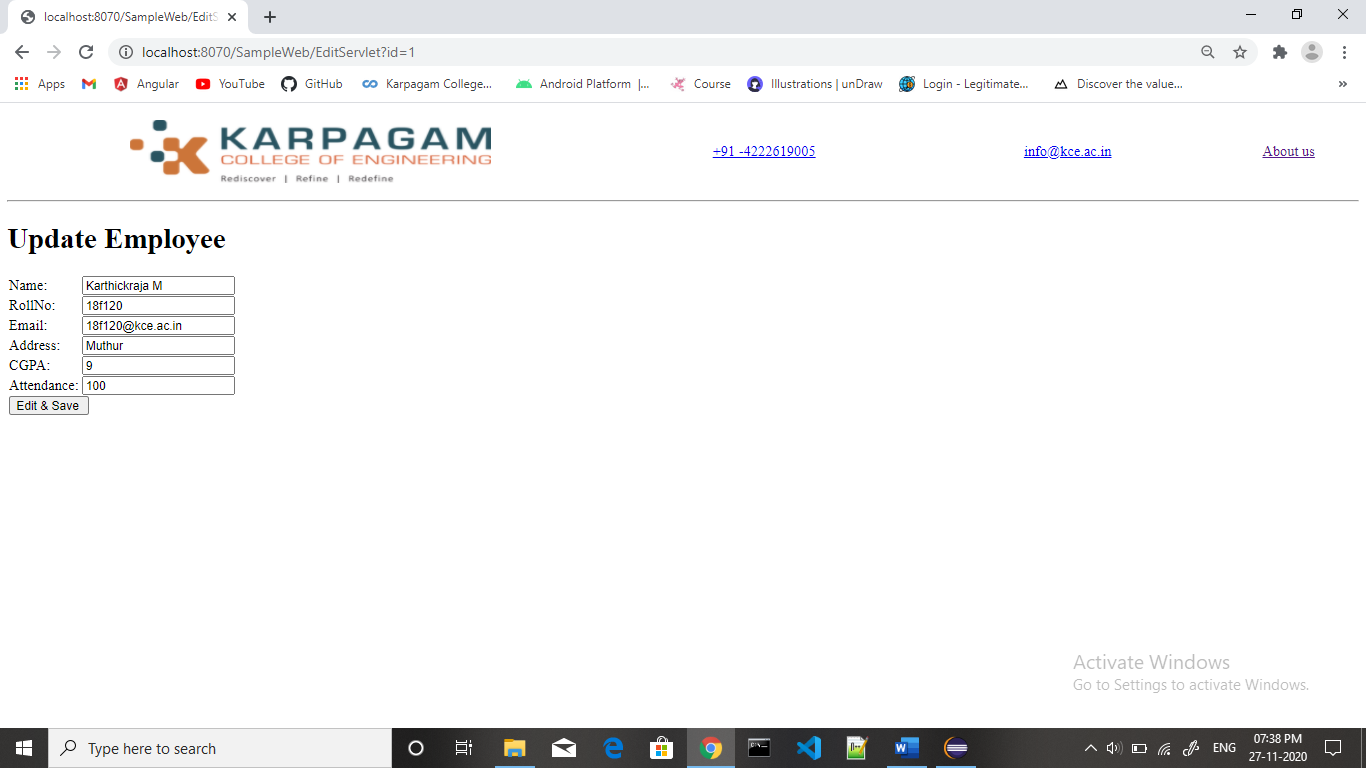


Fig No 4.2.6

**Staff Page**

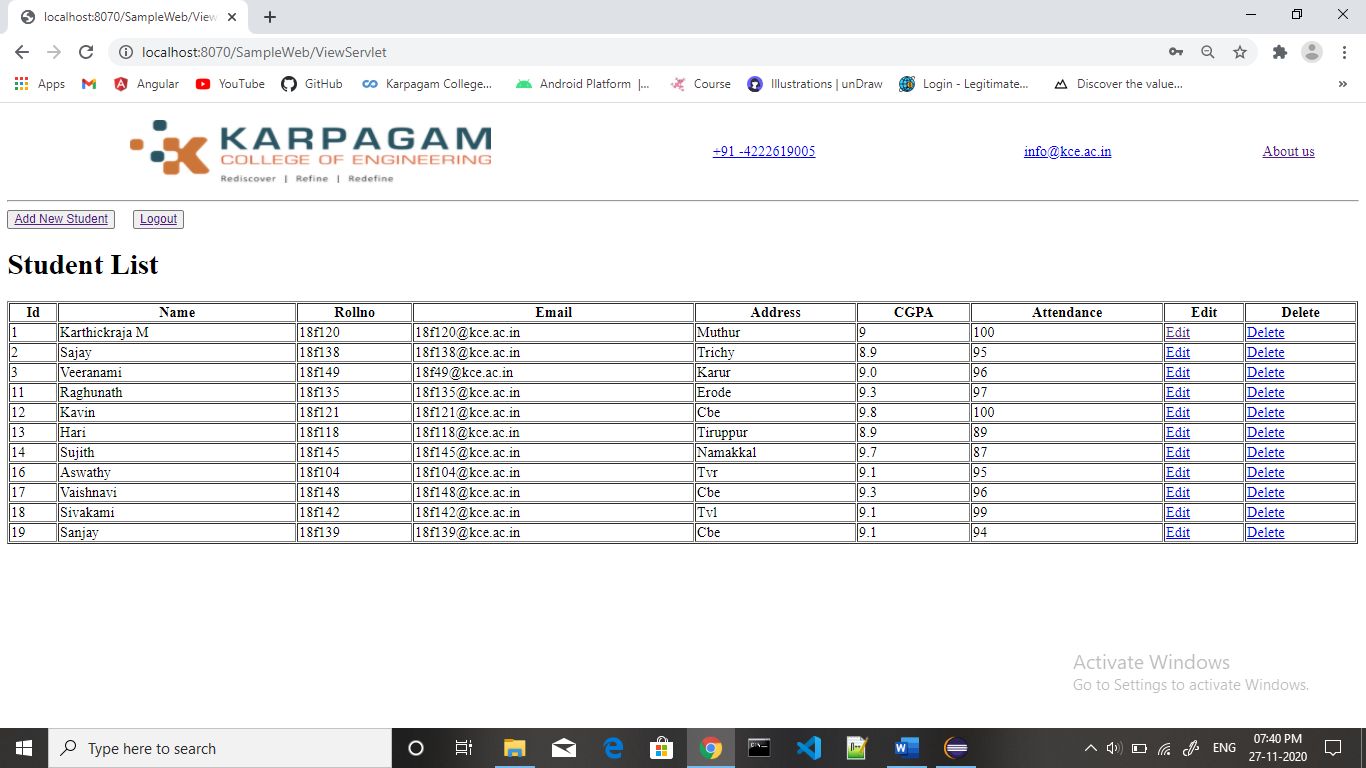


Fig No 4.2.7

**Student page**

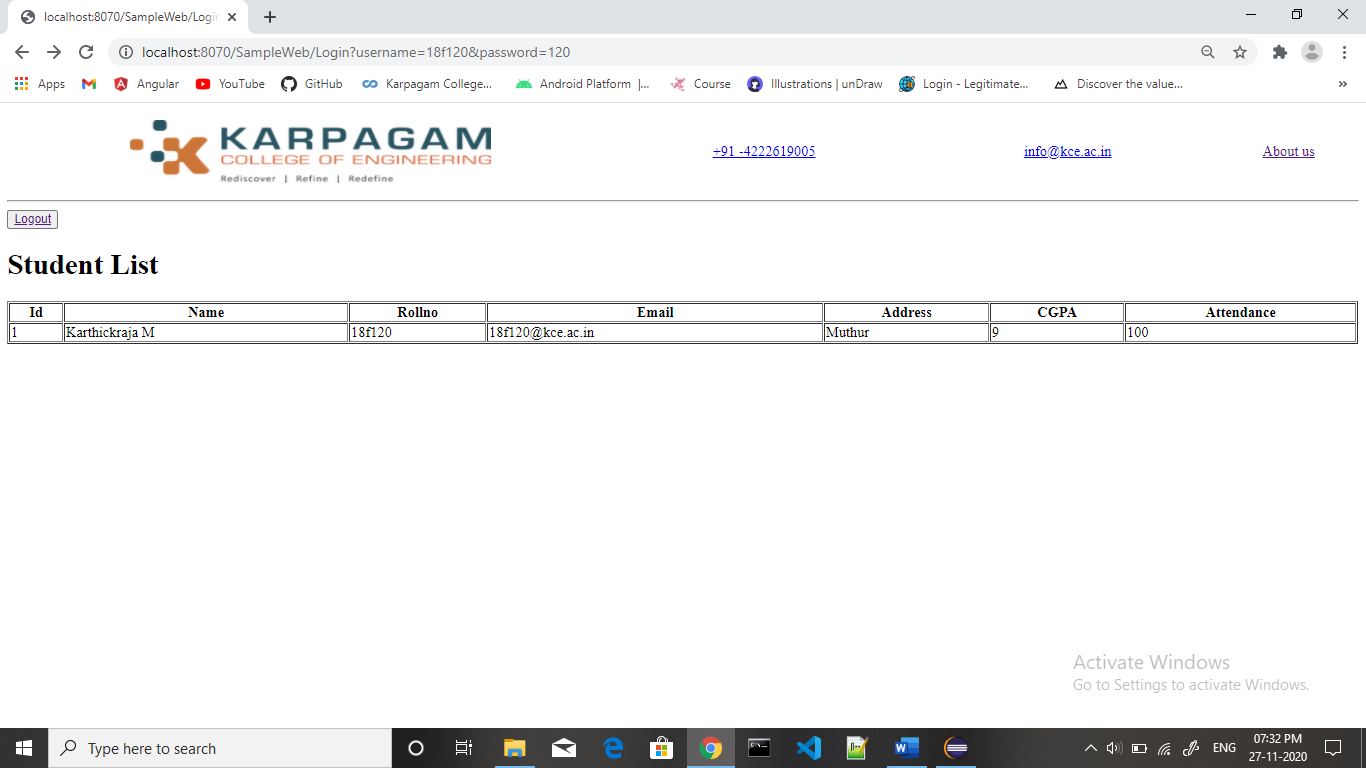


Fig No 4.2.8

**CONCLUSION**

Simplicity is never simple. As we have seen in this project, the process of creating a user- friendly and straightforward platform that facilitates the administrator’s job is one filled with complexity. From understanding user requirements to system design and finally system prototype and finalization, every step requires in-depth understanding and commitment towards achieving the objectives of the project. Although the student data management module is not fully integrated to the system and used on real time, the system prototype demonstrates easy navigation and data are stored in a systematic way. Overall, efficiency has improved and work processes simplified. Although all the objectives have been met, the system still has room for improvement. The system is robust and flexible enough for future upgrade using advanced technology and devices.

**FUTURE SCOPE**

Student Management System can be used by educational institutions to maintain their student records easily. Achieving this objective is difficult using the manual system as the information is scattered, can be redundant and collecting relevant information may be very time-consuming.This system helps in maintaining the information of pupil of the organization. It can be easily accessed by the manager and kept safe for a long period of time without any changes.

**REFERENCES**

<http://www.stackoverflow.com>

<http://www.tutorialspoint.com>