**SSN College of Engineering, Kalavakkam**
**Department of Computer Science and Engineering**
**VI Semester - CSE 'C'**
**UCS1611  INTERNET PROGRAMMING LAB**

**Academic Year: 2020-2021**                    **Batch: 2018-2022**

**Faculty: Dr. A. Beulah**                    **Due Date: 11.3.21, 17.3.21**


**Exercise 4: Java Servlets and MySQL**

I.      Create a HTML file with following form fields:
   a.  Employee ID
   b.  Employee Name
   c.  Designation
   d.  Department
   e.  Basic Salary
   f.  Phone Number
   g.  Address
   h.  Date of Birth
   i.  Gender
   j.  Marital Status
   k.  Submit (Button, onclick submit the form details to a servlet)
   l.  Reset (Button, onclick)

Write a servlet program which reads all form details, finds the gross pay based on basic pay and designation. The servlet returns all details (a-j, gross pay) in table format to the client.

II.      **Patient Management System (PMS)**

Develop a Patient Management System (PMS) in a Hospital that maintains the patient records.

Specifications:

   a.      Admin only can access the patient records.

b.   Admin has to authenticate himself with the credentials to access the patient details.

c.   The first page is the login page (login.html) where the admin should enter the credentials .

d.   If login fails, display an alert "Login Failed, enter the correct details", clear the username and password textbox  and focus the control  back to the username of login.html

e.   Perform the authentication using JavaScript, use hardcoded username and password in login.html

f.   On successful login, it should be redirected to homepage (homepage.html) of PMS.

g.   The homepage.html should display the following:

# Patient Details

Add Record
Update Record
Delete Record
View Record
Search a Record

h.   Clicking the links should invoke its corresponding html file from where the information is submitted to the corresponding Servlet. For example, The html file for Delete Record is:

**Delete the Patient Entry**

Patient ID: [                    ]

Submit

i.   On Submit, it should invoke DeleteServlet. The DeleteServlete should delete the record from the Database and displays "Record Deleted" in a new webpage with a view button as follows:

## Record Deleted

View

j.   When "View" button is clicked it invokes the "ViewServlet" to display all the records in the database.

k. Similarly, perform ADD, UPDATE, VIEW and SEARCH using **corresponding html** and **Servlet**

l. UPDATE is invoked if phone number or Address of the patient is changed

m. SEARCH for particular patient based on Patient ID

n. After each operation ViewServlet should be invoked to view the changes in the Database

**Database Name:**Patient_Details

**Table Schema:**Name, age, ID, gender, address, marital status, Date of Visit,