

Date:-

## Experiment-1

### Hospital Management System

**Aim :-** To develop and deploy a simple Hospital Management System (HMS) as a Software-as-a-Service (SaaS) application using a Cloud Service Provider for managing patient, doctor, and appointment records online.

#### PROCEDURE :-

1. Select a cloud service provider such as AWS / Microsoft Azure / Google Cloud.
2. Create a cloud account and configure virtual server or app service.
3. Design the HMS web application with modules for patients, doctors, and appointments.
4. Develop the frontend using HTML/CSS/JavaScript and backend using PHP/Node.js/Python.
5. Set up a cloud database service like MySQL / Firebase / Cloud SQL.
6. Deploy the application code to the cloud hosting environment.
7. Test the SaaS application through a web browser with multiple user logins.

#### OUTPUT :-

The screenshot shows the 'Hospital Management System' application running in a web browser. The top navigation bar includes tabs for 'Development', 'View as', 'Upgrade', 'Edit this application', and 'Help'. The main content area is titled 'All Doctors' and displays a table with three rows of data. The columns are labeled 'doctor name', 'Number', 'Date', and 'Email'. The data entries are:

| doctor name          | Number        | Date        | Email                     |
|----------------------|---------------|-------------|---------------------------|
| Ganesh reddy         | +917891234560 | 04-Feb-2026 | gani@gmail.com            |
| Narendra kumar reddy | +919876543210 | 05-Feb-2026 | nari@gmail.com            |
| Soma sekhar reddy    | +918919733413 | 04-Feb-2026 | pothusomasekhar@gmail.com |

The left sidebar contains navigation links for 'Doctors' (selected), 'Patient Details', and 'Receptions'. A blue button labeled 'All Doctors' is highlighted. The overall theme is dark with light-colored text and icons.

The screenshot shows a web-based Hospital Management System (HMS) interface. The top navigation bar includes links for 'Hospital Management System' (with a logo), 'Development' (highlighted in yellow), 'View as', 'MySelf...', 'Trial expires in 11 days', 'Upgrade', 'Edit this application', and 'Help'. On the left, a sidebar menu lists 'Doctors', 'Patient Details' (selected and expanded), 'patient details', and 'All Patient Details' (which is highlighted in blue). Below the sidebar is a table titled 'All Patient Details' with columns for Patient Name, Address, Phone, and Email. The table contains three rows of data:

| Patient Name     | Address  | Phone         | Email              |
|------------------|--|---------------|--------------------|
| sunihith reddy   | Khajipet, kadapa, Andhra Pradesh, 516216, India                                | +918106234579 | sunihith@gmail.com |
| suresh reddy     | MITTAMEEDAPALLI,CK.DINNE, kadapa, Andhra Pradesh, 516216, India                | +916579879812 | suri@gmail.com     |
| somasekhar reddy | 5/32,MITTAMEEDAPALLI,CK.DINNE,KADAPA,AP, kadapa, Andhra Pradesh, 516216, India | +918919733413 | bfs@gmail.com      |

## RESULT :-

A simple cloud-based Hospital Management System was successfully deployed and accessed via the internet. The SaaS model enabled centralized data management, remote access, and scalable healthcare services.