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EMERGENCY MEDICAL SERVICE (EMS)

Prince Kumar Sahu[1], Suman Kaiwart[2], Anshu Kumari[3], Samriddhi Tandan[4], Afrin Qureshi[5]

[1] *Assistant professor, Computer Science and Engineering Department & Govt. Engineering College Bilaspur.*
[2]*Student, Computer Science and Engineering Department & Govt. Engineering College Bilaspur.*
[3]*Student, Computer Science and Engineering Department & Govt. Engineering College Bilaspur.*
[4]*Student, Computer Science and Engineering Department & Govt. Engineering College Bilaspur.*
[5] *Student, Computer Science and Engineering Department & Govt. Engineering College Bilaspur.*

Abstract - "The first wealth is health". In today's world every single person is facing health related issues. They want to consult with the verified doctors, need a good hospital for the treatment and so on. And sometimes it even gets tough for situations like Covid to visit a doctor or hospitals in person. And it is also hard to know which doctor or which hospital is best suitable and affordable for them. Is there any online platform which provides all the information and reviews about the local medical world?

After the big pandemic of COVID we all have lost many either our relatives or known to us. In situations like these it gets tough to survive and look for medical help from a distance. And the biggest problem that an individual goes through is lack of information or knowledge regarding medical services near by them according to their requirement. So here we are with a project that proves to be of great help to everyone in need. By providing people with exact or say real data of their nearby hospital or emergency medical services they need. They can even consult doctors directly with our web application and get their prescription online as it's not possible for everyone to reach doctors in situations like COVID.

Key Words*: *EMS, COVID

1.INTRODUCTION

Our project is **EMS** based on hospital resources and support. EMS stands for "Emergency Medical Services". Through our web application we'll provide our user or say any other common person who wants to get a better reach of medical services or hospitality which they can afford financially and which are available in their locality. Our web application provides a platform for even local private doctors as well as well established hospitals to get better reach of patients and maintain and manage all the data related to medication, hospitality and management in online mode.

1.1 MOTIVATION

Health is wealth with this quote we want to describe our project. After the big pandemic of COVID we all have lost many either our relatives or known to us. In situations like these it gets tough to survive and look for medical help from a distance. And the biggest problem that an individual goes through is lack of information or knowledge regarding medical services near by them according to their requirement.
So here we are with a project that proves to be of great help to everyone in need. By providing people with exact or say real data of their nearby hospital or emergency medical services they need. They can even consult doctors directly with our web application and get their prescription online as it's not possible for everyone to reach doctors in situations like COVID.

1.2 OBJECTIVE AND SCOPE OF THE PROJECT:

1.2.1 Objective

Objective of our project is to provide easeness to the lives of many people who somehow get deprived of various medical facilities because of financial problems or lack of availability.
And in context to hospitals as well as local private clinics it provides them a medium to store, manage and maintain data online digitally and can reach their patients online.

1.2.2 Scope

1. Working with real time changes that are made to any local hospital's database regarding doctors and the hospitality they provide. Any changes made to the hospital repository will reflect straight to our patient panel.
2. This web application is also useful from a business point of view. If a local doctor who's not associated with any big organization wants his clinic's hospitality to reach more people then in that case our web application will be helpful to him. We will provide him the platform where he can prescribe his patients. For that he will have to pay a minimal charge as a platform charge.
3. Our web application can be helpful for the hospitals too as it's a heavy task for the hospital to maintain and manage a large dataset of hospital facilities and doctors manually on a regular basis. Our web application will give an individual platform to each hospital to maintain and manage their data.

3.2 Proposed System:

The development of this application contains the following activities:

● The application maintains the personal information of Admin Address and contact details.

● This application is overall user friendly and easy and flexible to understand.

● Authentication is provided for this application. Only the Registered members can access.

● The application has the access control to data with respect to admin.

3.3 Objectives of Study:

Special objectives of this project consists of:

● An application with one set solution to both the problems, of finding a better hospitality within better space locally and in their financial range.

● Hospital panel can attend all the appointments made by the patient and provide them medicatin in online mode too as well as with generation of digital prescription.

● Users can login through their Username and Password, once they are Registered Successfully.

. ● The information entered by the user will be authenticated by the Admin, whether it is True or not.

● Admin may reject the data/information if found irrelevant.

2. Tools And Methods

2.1 Software requirement specifications Software specifications

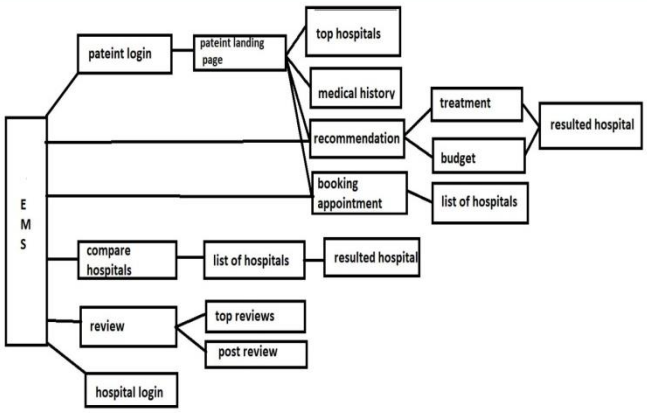
1. Operating System : Windows 10
2. Font end : Html, Css, Javascript, Ajax, Bootstrap
3. Back end : PHP, CodeIgniter, SQL
4. Database: WinScp

2.2 Hardware Specifications

Processor : X86 Compatible processor with 1.7 GHz Clock speed
RAM : 4GB or more
Hard disk : 512 GB or more
Monitor : VGA/SVGA
Keyboard : 104 Keys
Mouse : 2 buttons/ 3 buttons11

2.3 DATA FLOW DIAGRAM:-

A data flow diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination.Data flowcharts can range from simple, even hand-drawn process 20 overviews, to in-depth, multi-level DFDs that dig progressively deeper into how the data is handled. They can be used to analyze an existing system or model a new one. Like all the best diagrams and charts, a DFD can often visually "say" things that would be hard to explain in words, and they work for both technical and nontechnical audiences, from developer to CEO. That's why DFDs remain so popular after all these years. While they work well for data flow software and systems, they are less applicable nowadays to visualizing interactive, real-time or database-oriented software or systems.



2.4 Choice of Methodology:

We will use the agile model for our project. The agile SDLC model combines iterative and incremental process models with a focus on process adaptability and customer satisfaction by rapidly delivering working software products.

Agile Methods break the product into small incremental builds. These builds are provided in iterations. Each iteration typically lasts from about one to three weeks.

4. RESULTS

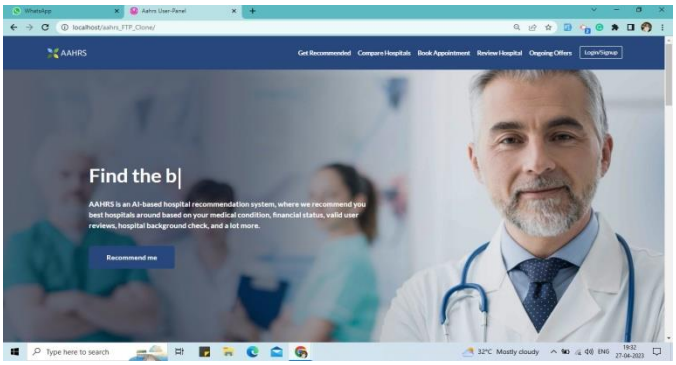


Fig 4.1: Home page

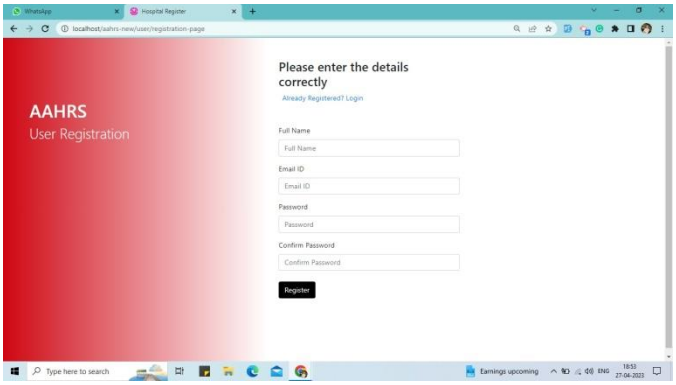


Fig 4.2: User Registration

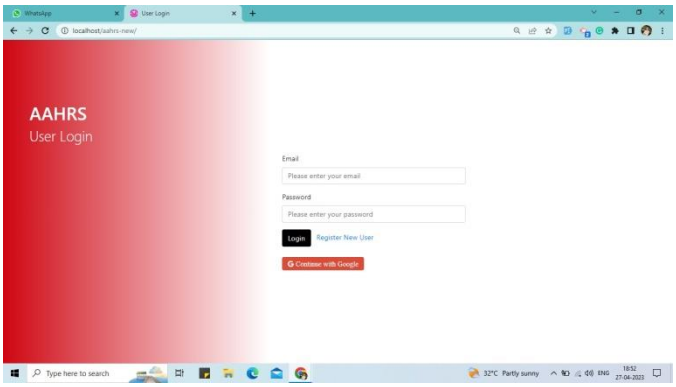


Fig 4.3: User Login

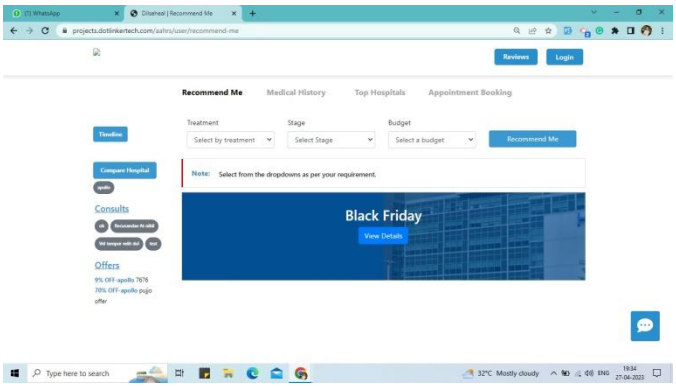


Fig 4.4: Recommend me

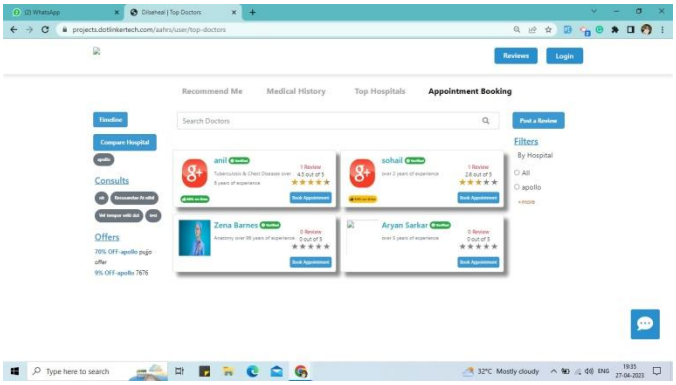


Fig 4.5: Appointment Booking

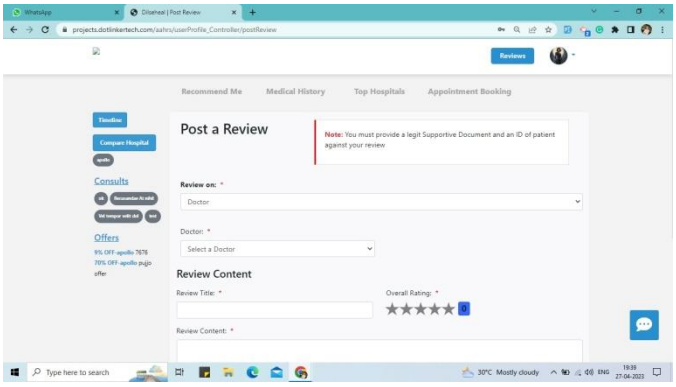


Fig 4.6: Review Section

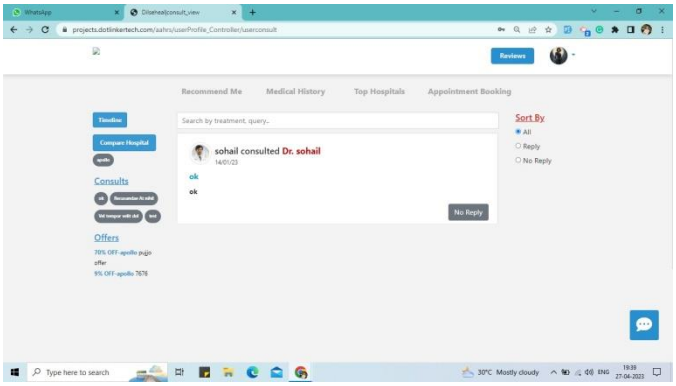


Fig 4.7: Consult Dashboard

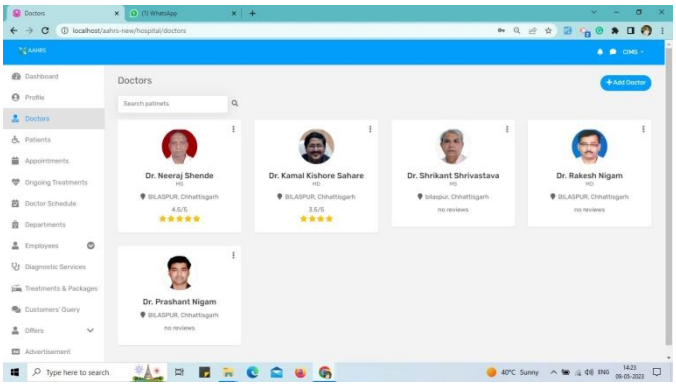


Fig 4.8: Hospital Doctors

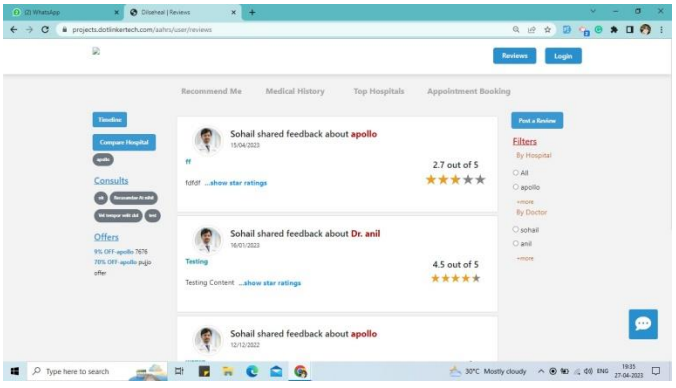


Fig 4.9: Doctors Feedback

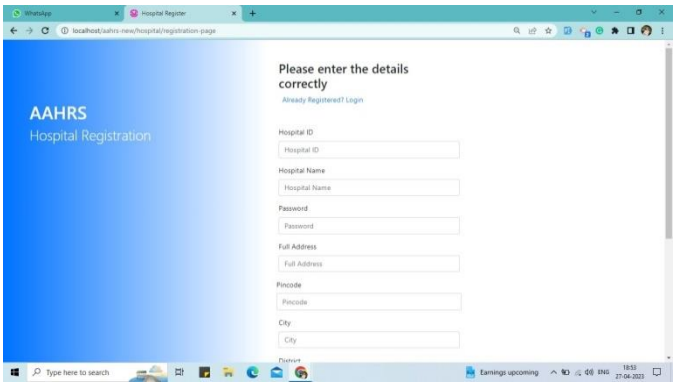


Fig 4.10: Hospital Registration

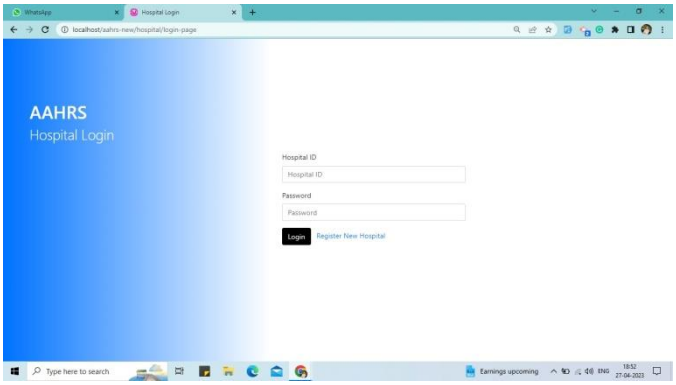


Fig 4.11: Hospital Login

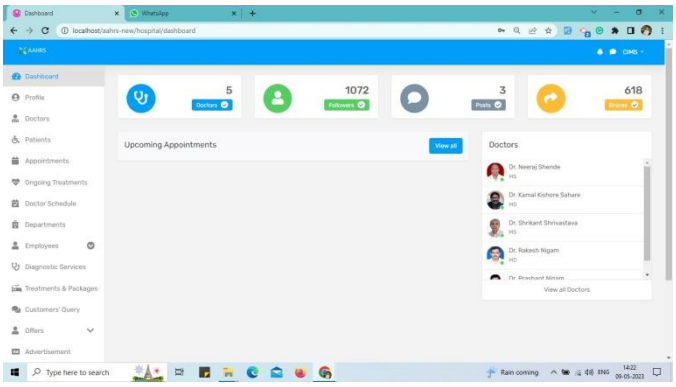


Fig 4.12: Hospital Dashboard

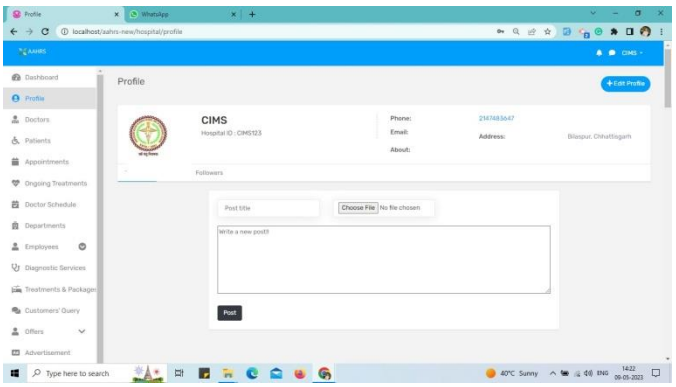


Fig 4.13: Hospital Profile

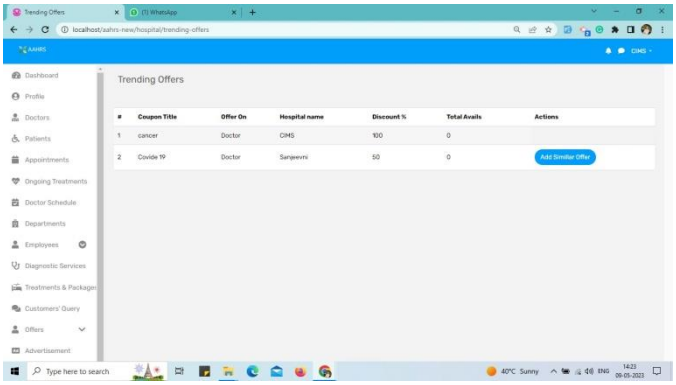


Fig 4.14: Hospital Trending Offers

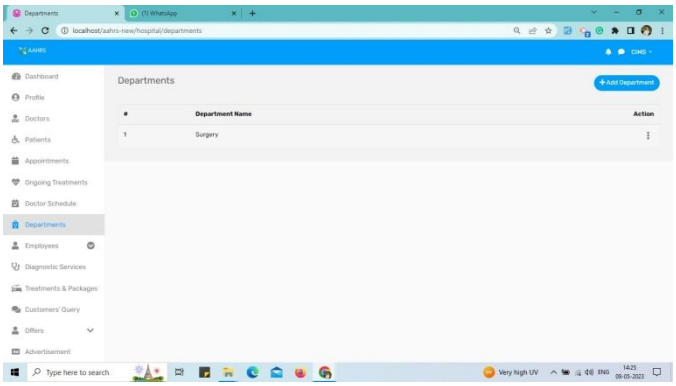


Fig 4.15: Hospital Departments

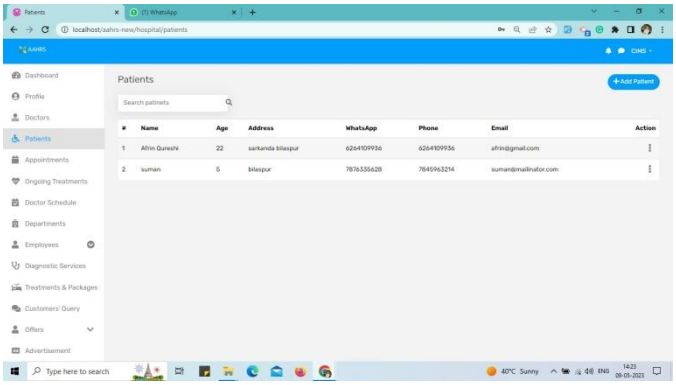


Fig 4.16: Hospital Patients Record Page

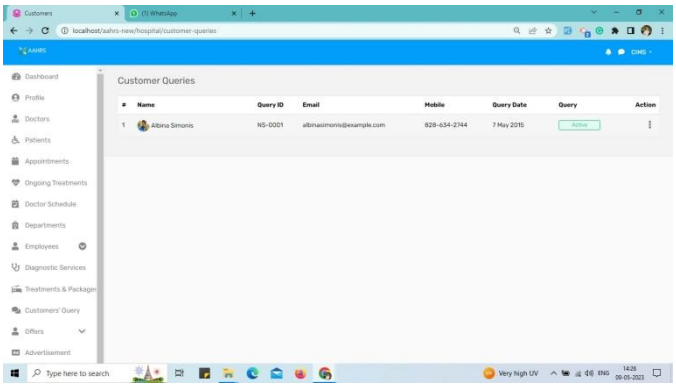


Fig 4.17: Customer Queries

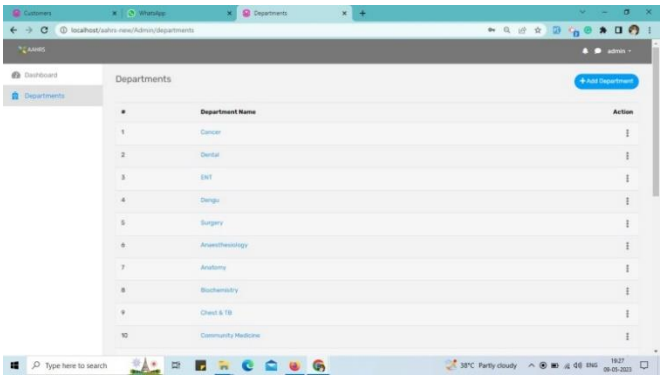


Fig 4.20: Admin Department

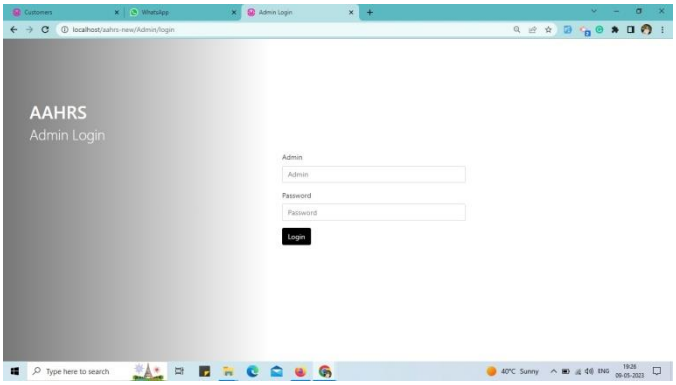


Fig 4.21: Admin Login

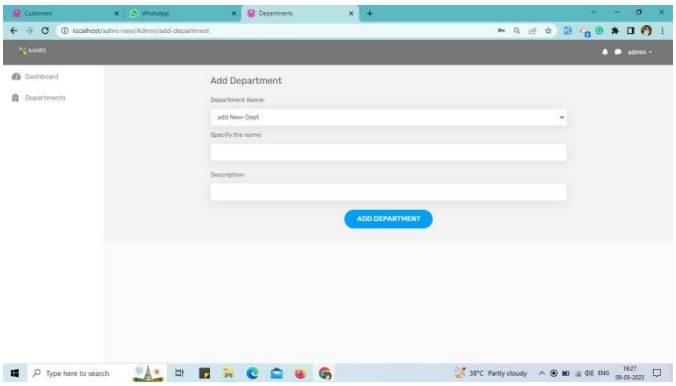


Fig 4.22: Admin Dashboard

CONCLUSIONS

Our aim was to provide people access to all the details related to local hospitals and private clinics. And all the benefits related to hospital and medical expenses and comparison based on them. Our web application also provides a digital website to hospitals for attending their patients based on appointments digitally. Proves to be of great help for both user person as patient as well as hospitals and doctors as admin.

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We feel short of words to express our heartfelt thanks to all family members and friends and all those who have directly or indirectly helped our team during our course.

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BIOGRAPHIES

Prince Kumar Sahu is currently an assistant professor at Government Engineering College Bilaspur Chhattisgarh. He is also project guide and mentor of our team.

Suman Kaiwart is student of 8th semester in Government engineering college Bilaspur. Currently pursuing B.tech in Computer science and Engineering Department.

Anshu Kumari is student of 8th semester in Government engineering college Bilaspur. Currently pursuing B.tech in Computer science and Engineering Department.

Samriddhi Tandan is student of 8th semester in Government engineering college Bilaspur. Currently pursuing B.tech in Computer science and Engineering Department.

Afrin Qureshi is student of 8th semester in Government engineering college Bilaspur. Currently pursuing B.tech in Computer science and Engineering Department.