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Care.Com

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Abstract: *'Care.com', is involved in providing healthcare and specialist consultation services around. They intend to automate disease prediction, doctor recommendation and appointment management. 'Care.com' is an enterprise product built to provide healthcare solutions taking into consideration the requirements of patients, doctors and hospitals. It helps users fast track disease prediction, manage appointments and identify suitable specialists in a single system. The product also provides easily accessible and simple tools for patients to capture healthcare details and receive prediction results for Cardiology, Oncology, Hepatology, Psychiatry and Nephrology. All these together shall help users to focus on the specific healthcare needs of each patient. In 'Care.com', the solution is developed using machine learning and Django technologies to cater healthcare requirements. Care.com shall be able to provide quality healthcare support and services to their users using this solution..*

Keywords: Disease Prediction, Doctor Recommendation, Appointment Booking, Machine Learning, Healthcare Management

I. INTRODUCTION

In the current generation people are suffering with different types of physical illness, most of the cases are happening due to unhealthy lifestyle and lack of proper medical consultation. When we approach a medical help we may not know the exact disease condition, so that the medical practitioner cannot identify the correct specialist and the patient may again go for different medical tests. "Care.com" is a perfect solution for the problem. This project helps users to predict diseases, identify suitable doctors and manage appointments through a single healthcare platform. The user can share healthcare details and the doctor can identify the actual health condition. This project also creates a platform to improve healthcare consultation and specialist accessibility for patients.

Care.com is a new idea in the healthcare industry. It is very useful for the common people. This project helps users to identify diseases at an early stage and find suitable specialists for proper treatment. Hence they can easily use healthcare prediction and appointment services for future use. This system is very helpful to provide disease prediction and doctor recommendation services using machine learning technologies. It is just because some diseases may become serious without proper diagnosis, the doctors can identify the proper treatment and provide better healthcare support for patients.[1][2]

II. BACKGROUND

Technologies used in this project:

Python is a popular programming language used for web development, machine learning and artificial intelligence applications. It provides simple syntax, code readability and supports healthcare prediction modules. Python is used in this project for disease prediction, doctor recommendation and healthcare management services.[2]

Django is a high-level Python web framework used for developing secure and scalable web applications. It supports authentication systems, database management and web application security. Django helps to manage appointment booking, patient records and healthcare services efficiently within the Care.com platform.[3]

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MongoDB is a database management system used to store patient details, doctor information, appointment records and healthcare prediction data. It provides flexibility, scalability and efficient data handling for healthcare management applications.[4]

Machine learning libraries such as Scikit-learn, Pandas and NumPy are used for healthcare dataset analysis and disease prediction. These libraries support intelligent healthcare prediction and recommendation systems used in this project.[5]

III. EXISTING SYSTEM

How it Actually Works

Now in many areas patients visit different hospitals and doctors for medical consultation and treatment. Most of the healthcare systems only provide basic consultation services and patients may not know the exact disease condition at the correct time. When a patient needs specialist consultation, they may again visit different hospitals and go for repeated medical tests. This may increase time, cost and difficulty for both patients and doctors. The patient may also face problems in identifying suitable specialists and managing appointments properly. This may lead more problems to both patient and doctor.

Drawbacks of the Existing System

- Time consuming and costly
- Difficult to identify suitable specialists
- Repeated medical tests and consultations
- Lack of intelligent disease prediction • Do not work properly.

IV. PROPOSED SYSTEM

The project “Care.com” helps every individual to identify diseases and find suitable doctors through a single healthcare platform. The user can enter healthcare details and receive AI based disease prediction results efficiently. The system can recommend suitable specialists and help patients to manage appointments properly. There is direct interaction between patient and doctor through the healthcare platform. So the user can identify health problems easily and can achieve better treatments from suitable doctors. The user can also improve healthcare consultation services and specialist accessibility through our site.[4][5]

A) Advantages

1. Interaction will be easier.
2. Less time consuming.
3. Cost effective.
4. Works properly..

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V. RESULTS AND DISCUSSIONS

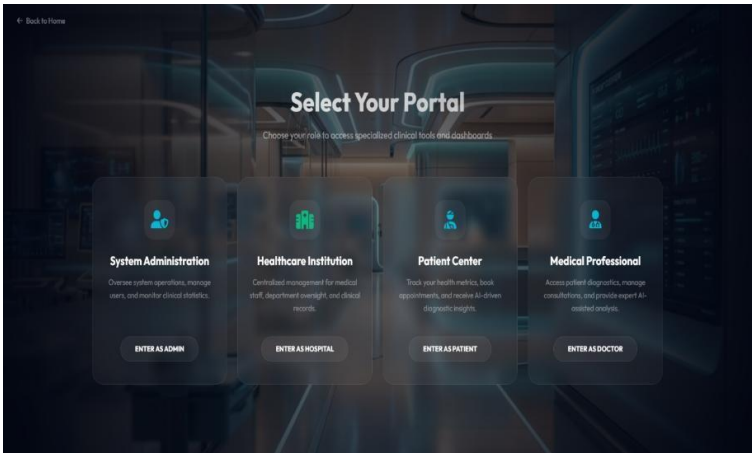

Figure 1:Home page

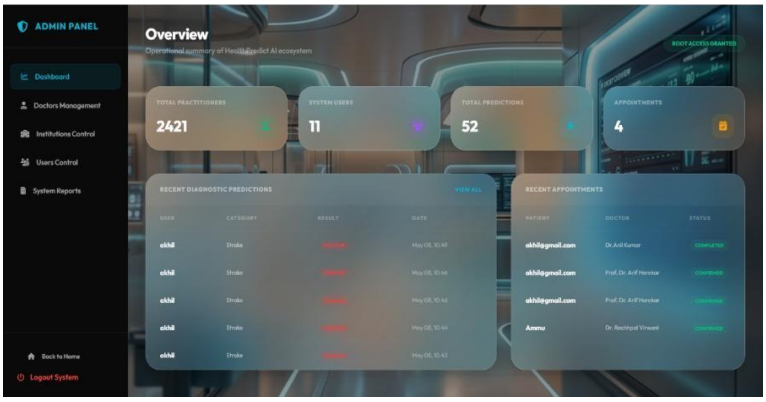

Figure 2:Admin dashboard

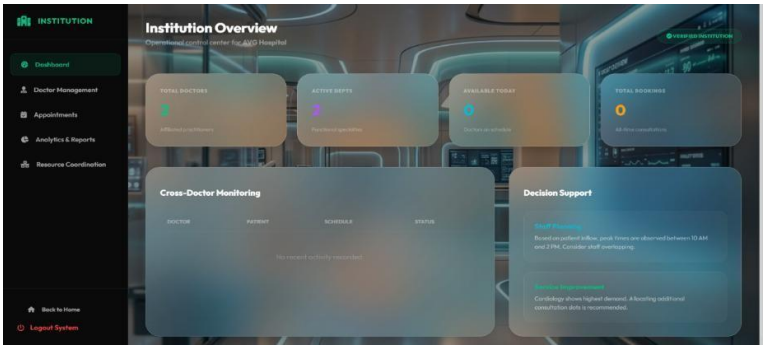

Figure 2: Hospital dashboard

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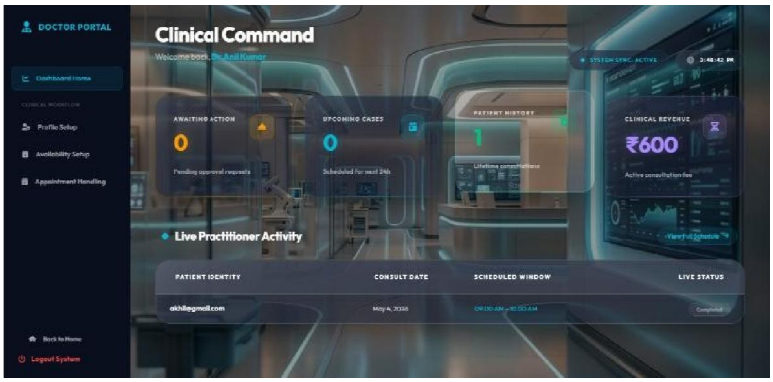

Figure 4: Doctor dashboard

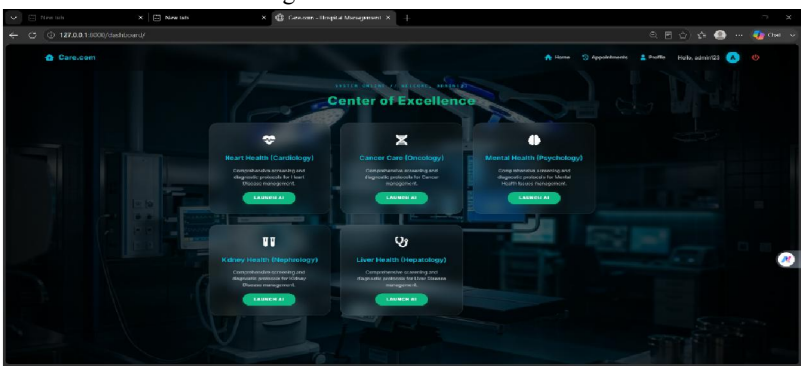

Figure 5: patient dashboard

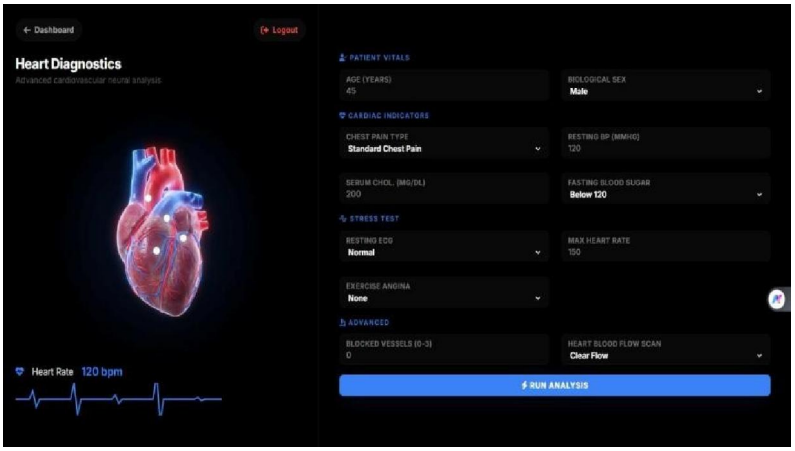

Figure 6: cardiology prediction

VI. CONCLUSION

In the current generation people are suffering with different types of physical illness, most of the cases are happening due to unhealthy lifestyle and lack of proper healthcare support. When we approach a medical help we may not know the exact disease condition, so that the medical practitioner cannot identify the correct specialist and the patient may again go for repeated medical tests. “Care.com” is a perfect solution for the problem as we mentioned above the project Care.com helps users to predict diseases, identify suitable doctors and manage appointments through a single healthcare platform. The user can share healthcare details and the doctor can identify the actual health condition. This project also

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creates a platform to improve healthcare consultation and specialist accessibility for patients. Care.com is a new idea in the healthcare industry. It is very useful for the common people. This project helps users to identify diseases at an early stage and find suitable specialists for proper treatment.[1]. Hence they can easily use healthcare prediction and appointment services for the future use. Our proposed system is very helpful to provide disease prediction and doctor recommendation services using machine learning technologies. It is just because some diseases may become serious without proper diagnosis, the doctors can identify the proper treatment and provide better healthcare support for patients.[5]

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