

DOCTOR APPOINTMENT SYSTEM: Engineering College Prospective

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Abstract

The purpose of Doctor Appointment System is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. Doctor Appointment System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information

Keywords: — *Student performance, Machine Learning, RF,SVM.*

Introduction

In our daily life we face a lot of problems. Disease is one of most common issues for a person's life. If anybody is ill and wants to visit a doctor for checkup, he or she needs to visit the hospital and waits until the doctor is available. The patient also waits in a queue while getting appointment. If the doctor cancels the appointment for some emergency reasons then the patient is not able to know about the cancelation of the appointment unless or until he or she visits the hospital. So, it's necessary to get a consultation with Doctors whenever we got affected with various diseases. As the internet is now available for everyone therefore anyone can use the online appointment system to overcome such problems and inconvenience for the patients. Vision of this project is to create doctor patient handling management system that will help patients to book doctor appointment and fulfil their prospects. In this system doctors are allowed to manage their booking slots in online, patients can make their appointment to book empty slots too. This is the system of reservation for counselling by patients name. This system manages different kinds of doctors at a time and patients can choose their expected one for booking. The system also remains of the blood donor module which is allowed for blood donation registration as well as finding blood group for future use.

II.EXPLORATORY DATA ANALYSIS (EDA)

To study and observe the behaviour of data, attributes ,relationship between attributes and target variable are graphically visualized ,so that pattern of data is keenly studied and to explore the dependency and weightage of attribute so as to extract reliable features to develop a reliant model with robust features. The primary plots that are visualized:

- Individual attributes plot against its frequency [to observe the data].
- Attributes against target variable („FinalGrade“)[to study the dependency and weightage]

III. LITERATURE SURVEY

As a patient we face many difficulties when we want to get an appointment for a doctor in their chambers or places. When people get affected by illness they need to visit a doctor for checkup but they have to visit their chambers or hospital to get appointment. It is a lengthy process and wasting people's time. Sometimes people do visit doctor's chamber for health check but the doctor is not available some various reason. It's the only way to get to know when people just visited their places. It harasses people a lot. Besides people need an ambulance service to carry on patient to hospitals. Merely, people need to visit hospitals or clinics to hire ambulance, it is a time consuming process. Our motivation is

IV. PROBLEM STATEMENT AND OBJECTIVE

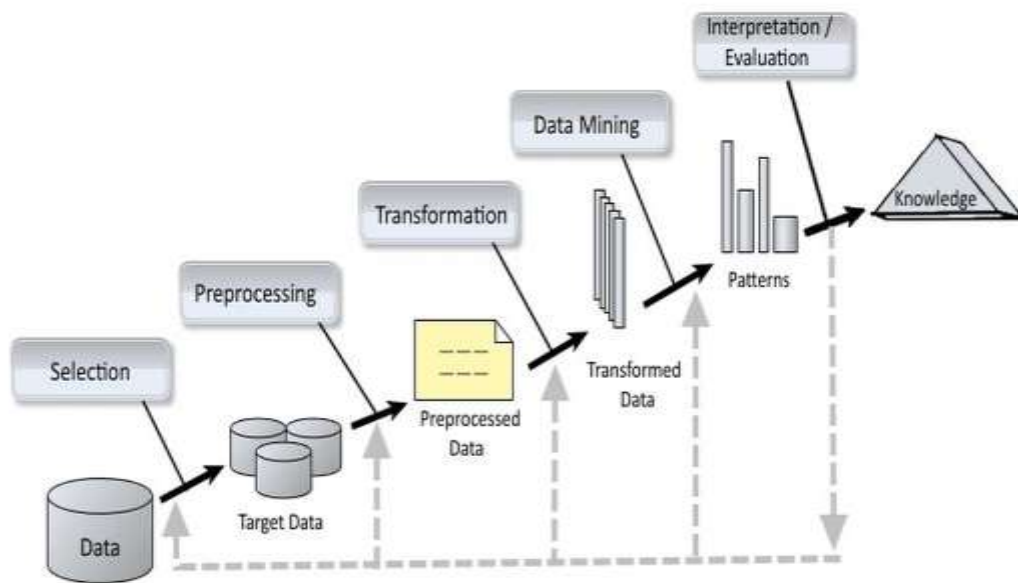
Presently people are making appointments manually. This is a time consuming process, patient has to physically go to the clinic in order to make appointment. Some clinics provide the opportunity to make appointments by placing a phone call. But in this case, people are often left unattended. By analyzing the existing system, some of its drawbacks are listed. 1. Time consuming. 2. Lack of efficiency. 3. Needs to be physically present at the clinic. 4. .Can't make appointments in advance for long intervals.

2. Objectives

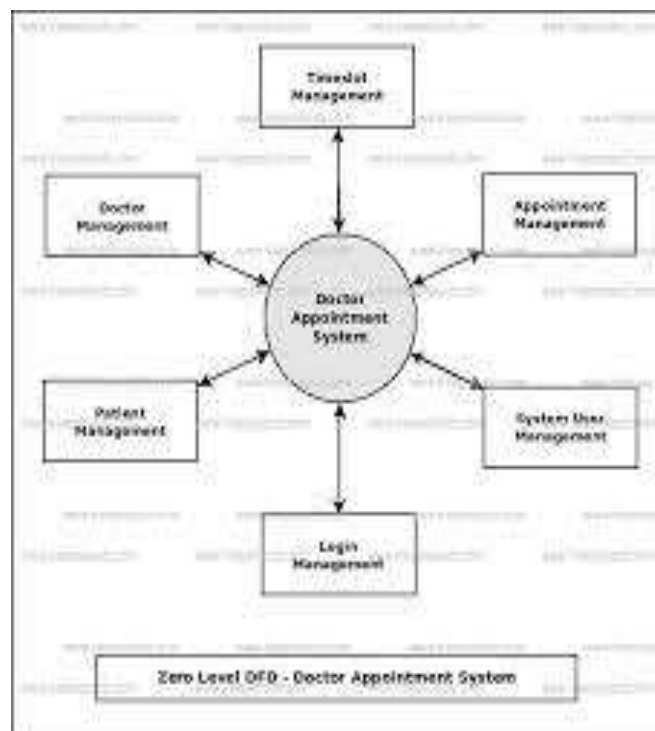
V. PROPOSED SYSTEM

Proposed system will overcome the drawbacks of existing system. Existing system is manual and available appointment applications are not user friendly. Proposed system is computerized and user friendly. The proposed system has many advantages. MERITS OF PROPOSED SYSTEM : The use of proposed system will avoid the problems of the existing system and we also get a new system for managing information under the Clinic Appointment System. The proposed system offers: ● Manual work which is time consuming can be reduced.

VI. ARCHITECTURE DIAGRAM



VII. FLOW CHART REPRESENTATION



VIII. CONCLUSION

Doctor and patient appointment system is a very exciting topic to work. After going through the work, we faced many challenging tasks. Day by day healthcare system become an important part of our society. So we have decided to build this system. We researched so many system that showed us the direction how to develop our system. We interact with the people that what type of problem they facing. They were very happy to take this system as it is give them some relief in modern age. Despite everything we achieved, we faced many challenges to finish this project. After all it's an online web-based system so in real life both doctor and patient need to follow the using rules otherwise its goal will be failed

REFERENCES

HTML, CSS, PHP : <https://www.w3schools.in> • Bootstrap : <https://getbootstrap.com/> • Front Awesome : <https://fontawesome.co>