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Mood Analyzer Using AI

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Abstract: ***In this project we are creating a Mood Analyzer using AI software which can be accessed by people. With the rising trend of depression among youngsters and working professionals, the issue of health has taken a serious hit. The reasons for depression may make you feel as though work, school, relationship, lack of social life and overlooking the interests and hobbies to focus more on work. Depression, even the most severe cases, is a highly treatable disorder. With mood analyzer software the public can check their depression easily and they can solve their problem by themselves. . This computer software is safe and protective for the user because there will be no leakage of any generous of information***
Keyword: Depression, Mental Stability, Social Media, Suicidal etc.

I. INTRODUCTION

Depression is common among different age groups and it is a very serious mental illness that affects our mental states. Everybody feels sometimes low or down in their lives. When people sometimes feels blue or sad, but these feelings are usually fleeting and pass within a couple of days. When a person has depression first affects the mood of the person which persists for longer period when it becomes the main symptom of depression. It affects the body like you feel low energy, creating wrong thoughts like suicide etc. depression is a quite common disorder, which can happen to anyone at any age . Depression may make you feel as through work, school, relationship and other aspects of your life. You feel constantly sad or you lose your interest in all activates even those you previously enjoyed. during this times, you also experience sign of depression like a change in appetite that sometimes leads to weight loss or gain or oversleeping or a slowdown in talking and performing tasks or conversely, loss of energy and feeling tired much of the time or problems on making decisions, feeling of worthlessness, inappropriate guilt other sign can include thoughts of death or suicide plans or attempts, a loss of sexual desire etc. Even though the trend of depression is rising among people, many people avoid psychologists.

II. MODULES

In this system there are two different interfaces, one is for the public which is the public portal in which registration can be done by the public sector and then comes the other portal which is the admin portal which is controlled by hospital organization.

A. So if any user has to make an appointment then this is the best system where he/she can make it online through the public portal, where they will first do the registration and then will make an appointment.
B. The records are kept stored for further guidance.
C. All the depression or any types of mental disorder will be stored and all the details about the patient will be there.
D. So in this system they can know about the patients who are always critical and need attention about it.
E. In the public portal they only provide a username so that whenever they login again they do not have to do this again and again and their profile is created after the registration and it is stored.
F. Now, comes the admins portal controlled by the hospital organization who look after all the appointments which have been submitted by the user and they update the user's appointment status.

III. PURPOSE OF THE SYSTEM

The main purpose of developing Mood Analyzer using AI software is so the public can check their depression easily and they can solve their problem by themselves. With the rising trend of depression among youngsters and working professionals, the issue of mental health has taken a serious hit. The reasons for depression among such people is quite straight-forward and is caused due to peer pressure, heavy work-load, lack of social life and overlooking the interests and hobbies to focus more on work. Even though the trend of depression is rising among people, many people avoid psychologists. It affects the body like you feel low energy, creating wrong thoughts like suicide etc. Depression is a quite common disorder, which can happen to anyone at any age .

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A. Scope

The proposed system will be beneficial in a number of ways. The "Mood Analyzer Using AI" is actually about automating the whole process of appointment booking system in Hospitals. The Mood Analyzer Using AI Application will save a lot of time and also gives us relief to stand a long queue to get a appointment. Mainly this system focus on security and services to the layman so that they can fetch their details whenever they require it is one of the main motto of this system. Since the purpose of this system is to identify, monitor and notify various individuals in need of mental health care, this helps in avoiding many unfortunate incidents they may occur.

IV. FEASIBILITY STUDY

Feasibility study is an analysis and evaluation of a proposed project to determine if it is feasible technical, economically, timely and operationally. Feasibility study for the project is conducted to analyze whether the proposed project is possible/ feasible to be developed within scheduled time, available resources, within estimated budget. After feasibility study is done, it is evaluated whether to proceed with the project or not. There are three main factors , which determine the feasibility of the project. They are discussed below:

A. Operational Feasibility Study

Operational feasibility measures to which extent the proposed system resolves the problems identified in the starting phase of the project; how the project intends to fulfil the requirements identified during scope definition and how the system makes use of the opportunities identified during scope definition.
The project will be operationally feasible undoubtedly as the main motive is to solve the problems of those who face problems in nowadays environment which are faced by masses

B. Technical Feasibility Study

Technical feasibility is conducted to verify whether the project is feasible to be developed within the available resources or not. The technical feasible takes into account the technical requirements for the project, the technical resources required by the project for its successful and efficient completion. The specific technical resources to be available for completing the project successfully are hardware and software requirements.

C. Economic Feasibility Study

The main purpose of conducting economic feasibility is to identify the financial benefits and costs associated with the project development. As for any system, if the estimated benefits equal or surpass the expected costs that are calculated for the system then the project would be economically feasible. Since the proposed system programming environment is based on android which is an open source platform, there is less investment in the development portion. And any software or program that is produced needs to be tested which can be done without much investment. Only required investment would be a physical device to test the system.

V. DISCUSSION

A. In this system there are two different interfaces, one is for the public which is the public portal in which registration can be done by the public sector and then comes the other portal which is the admin portal which is controlled by hospital organization. So if any user has to make an appointment then this is the best system where he/she can make it online through the public portal, where they will first do the registration and then will make an appointment .The records are kept stored for the further guidance.

B. All the depression or any types of mental disorder will be stored and all the details about the patient will be there. So in this system they can know about the patient who are always critical and need attention about it .In the public portal they only provide a username so that whenever they login again they do not have to do this again and again and there profile is created after the registration and it is stored.Now, comes the admins portal this controlled by the hospital organization who look after all the appointment which have been submitted by the user and they update the user's appointment status.

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VI. SYSTEM ANALYSIS

We will do the analysis with the help of two modules. User module is the part which we have to analyse. It is not compulsory that the user or person have the proper knowledge about the computer, so the main focus of our is designing and the software is user friendly. Secondary focus is that we have to provide security to the user or admin. We also have to provide privacy to the members Lastly, we will give the proper information to the user's. Users must complete the validation and verification process completely only then the registration form completes.

During the analysis of our whole application, we tend to discover a number of the increases that would have an effect on our application whereas developing and additionally whereas exploitation.

A. *These are Those Risks*

1) *Technical Risks:* First the applying stricken with the matter of the browser as a result of it's trusted browser technology because the web site goes to be opened at the user facet within the browser wherever any user will use any of the browsers offered these days. Our project is developed underneath the information documentations list of varied hardware products of the user and in keeping with their wants.
2) *Project Risks:* As this application is developed for mental checkup appointments, privacy has been given special importance. Privacy could be a basic demand expected by the users of this application. In our project there's terribly less demand of budget as a result of thus concentration here is on the pc and also the web access once this project is employed because the real application so economical risks doesn't matter such a lot in our application
3) *Political Risks:* There is no ought to worry concerning the political problems here as a result of it's simply an internet site wherever the political problems might not occur.

VII. CONCLUSION

The documentation presents the proposed system's report, how the system went through various phases during its development. The developer started with the background study of the system where he has inferred the problems faced by a user in today's environment in context of booking a ticket. The background study phase is followed by the literature review which is a kind of research to gather knowledge in the current area of study to develop a successful system.

The developer has conducted both primary and secondary research. It is concluded that to gather the desired information about the proposed system, the developer had to go through various steps. Questionnaire and Interviews are the data gathering techniques that have been used to identify the need of the target people, the employees within an organization. Questionnaires have got filled by the staff/ employees while interviews have been conducted by the administrators and the highly-authorized persons.

The analysis of the questionnaire and interviews and focus groups have helped the developer to have a complete knowledge and understanding of the security measures of an organization as the users were taken from different industrial sectors. Also, the technical knowledge has been gained by taking the interview from the software developers and software designers. Their opinions have been evaluated to get an in-depth knowledge of the technologies and the databases on the basis of which the developer has decided to use MySQL as databases. In this way, the research part for the proposed project has been completed.

Then comes the implementation phase that covers the implementation approach to be followed by the developer to implement various modules of the system starting with a module that has lower priority and moving towards the higher priority modules. Other than that, a user manual as well as technical manual is provided that guides the user about the flow of the system and how to use the system and installation instruction respectively.

At last the final project is critically evaluated to come to a conclusion, how the system can benefit its end-users and how much the project is successful from the user's point of view.

REFERENCES

[1] https://ieeexplore.ieee.org/xpl/conhome/8376163/proceeding.
[2] https://ieeexplore.ieee.org/document/8389299.
[3] GBD 2017 Disease and Injury Incidence and Prevalence Collaborators. (2018). Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. The Lancet. DOI.
[4] Wang et al. Use of mental health services for anxiety, mood, and substance disorders in 17 countries in the WHO world mental health surveys. The Lancet. 2007; 370(9590):841-50

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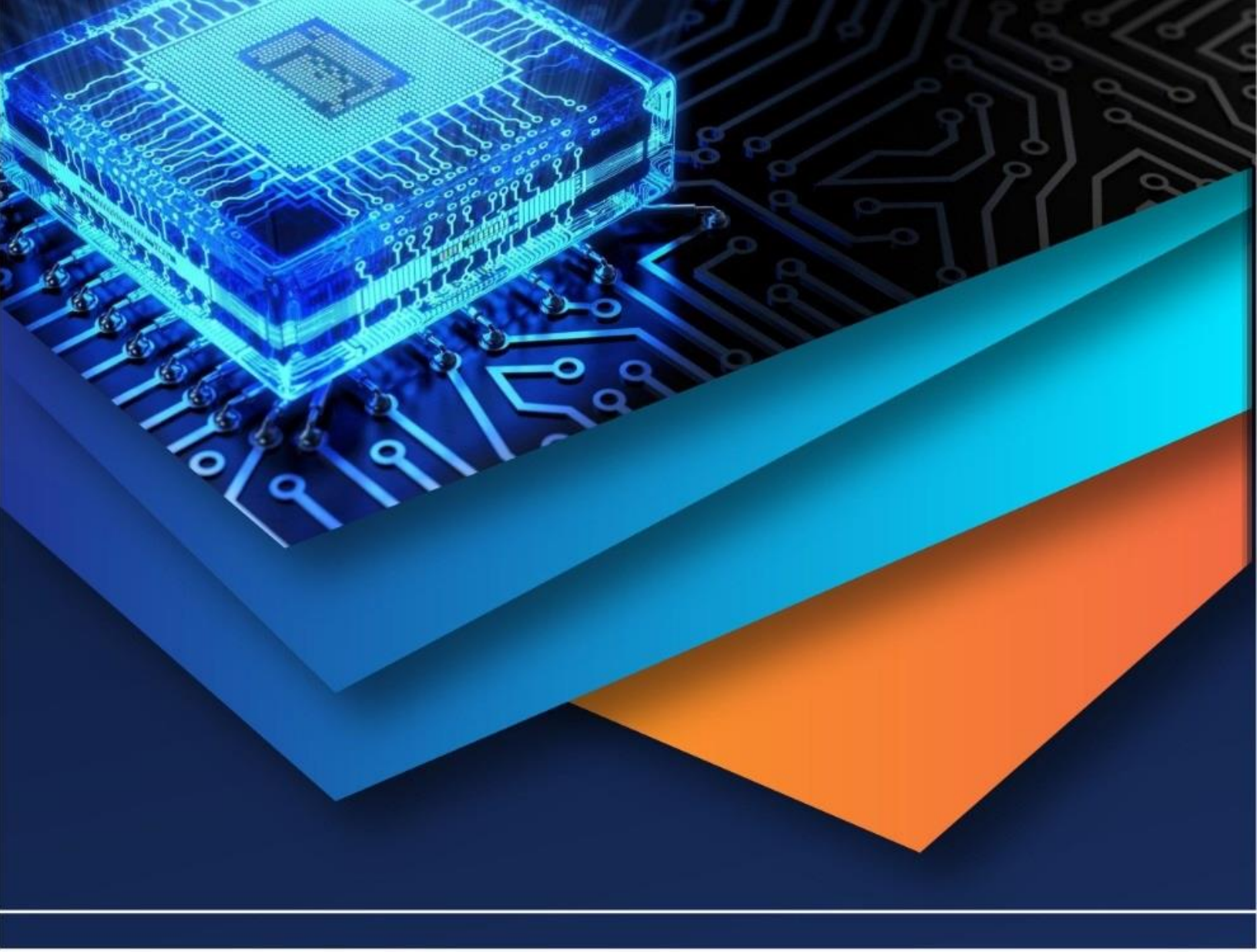

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