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| **Department** | **COMPUTER SCIENCE AND**  **ENGINEERING (Artificial**  **Intelligence and Machine**  **Learning)** |
| **Title of the Mini Project** | **“Digitalized System For Educational Institutes”** |
| **Date** | **14/3/23** |

**ABSTRACT**

The main focus of this project is to develop a web-based digitalized system for educational institutes. Digitalized system for educational institutes is a web based software designed to manage entire operations of an institution. It is simple yet powerful one joint point integrated platform that connects department like Administration, Exam cell, Student section, Faculty, and parents etc..,

The module Administration deals with the personal information of every person in the Institution and responding to the students requests for various certificates. The Student module contains the information about fee dues , transportation , notes , and more. The Faculty module includes course dealing with , notes gallery, department belongs to, and few more. The Exam cell mainly performs to segregate the information into independent- data like exam schedulers, notifications, results and others.

**MOTIVATION:**

The website will be designed to Developing a web site digitalized system for educational institues is are markable endeavor that has the potential to revolutionize the way educational institutions operate. By incorporating this innovative solution, we can bring about numerous benfits and positive changes with in the educational ecosystem

**OBJECTIVES:**

The main objective of our work is to develop a website called “**PREDICTION OF HEART DISEASE** **USING BIOINSPIRED ALGORITHMS ITS MOTIVATION**” that allows patient to know their current condition.

***Objective-1: The primary objective of this system is to streamline and automate various administrative tasks, handling certificate requests,and coordinating instituation-wide***

***Objective-2:*** Ensure Data Security and Privacy

***Objective-*3: Improve Data Management and Analytics**

***Objective-*4: By Providing data on student performance,attendance,and course schedules,the systemamis to help educational institutes optimize resources allocation**

**METHODOLOGY:**

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|  | * **Data Collection**: The first step in the methodology is to collect a large and diverse dataset of heart disease-related features. These features may include clinical data such as blood pressure, cholesterol levels, and medical history, as well as data from diagnostic tests such as ECG and echocardiography. * **Data Preprocessing**: The collected data is then preprocessed to remove any noise, missing values, or irrelevant features. This step is crucial to ensure the accuracy and reliability of the model. * **Feature Selection**: Once the data is preprocessed, feature selection techniques are used to identify the most relevant features for predicting heart disease. This helps to reduce the dimensionality of the dataset and improve the efficiency of the model. * **Model Development**: The selected features are then used to train a bio-inspired algorithm model such as genetic algorithms, particle swarm optimization, or artificial neural networks. The model is optimized using a training dataset and validated using a separate validation dataset. * **Performance Evaluation**: The performance of the developed model is evaluated using standard evaluation metrics such as sensitivity, specificity, accuracy, and area under the curve (AUC). The model is also compared to other existing models or traditional diagnostic methods. * **Deployment**: Once the model is developed and validated, it can be deployed in clinical settings to aid in the early detection and diagnosis of heart disease. |

**CONCLUSION:**

* This web application is mainly useful for each and every person in the college/ institution.
* Admin is the main person who decides to work on this web application.
* The main intention behind this web application is to provide the services of college/ institution with less manpower.
* This application is helpful for providing interaction between user and institution

without any intermediaries.

**FUTURE WORK:**

In recent times, Digital transformation plays a vital role in the society. Manual processing of

any work takes a longer time and requires a huge amount of energy. Making an

institution/college into digitalization helps each and every person in various aspects, so now we

have developed an application for user to access the services provided by the institution in

easier way. In future, we can add a few more modules like attendance tracker, library

management and many more.

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| Guide Comments: |
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