**PROJECT DESCRIPTION**

The proposed system is using a Database for storing information. In regular database systems, sometimes because of existence of huge data it is not possible to fulfill the user's criteria and to provide them with the exact the information that they need to make a decision. These huge record sets can be processed and learned for better and automated medication. So, this can be done with machine learning systems to evaluate the patient, diagnose them and to prescribe them with medicine. With big data growth in biomedical and healthcare communities, this can be overcome by providing more accurate analysis. So, using machine learning algorithms effective prediction of diseases can be done and providing with precise medicine for the disease.

This system built using machine learning is developed with huge number of patient records. So, with these huge record sets a machine can be built which can learn those data, cluster them, classify them and extract them whenever in need. So, by using various machine learning algorithms we can train a System with those data. So, it does something more than a normal database system which can only be referred rather than making a study over those data. Entirely for the prediction of the human diseases and prescribing solution. So, the entire activities of the system must be under the surveillance of an expert Doctor who have a detailed knowledge in the field of medicine.

The interaction between the patient, admin and prescription service is planned to be organized through a web portal. The patient visits the website for taking the necessary treatment of the infected diseases. In order to do this, the patient approaches the admin for the basic procedures to proceed with the treatment. The patient details and symptoms are registered that they are suffering from. It generates a unique ID after the submission of the registered form. The PHR’s are stored in the cloud database where it is provided with the security to the patient’s records as they contain the sensitive information. With reference to the ID the patient consults the doctor where the particular patient record is retrieved from the database. The patient’s details are stored in the cloud database where it is provided with the security to the patient’s records as they contain the sensitive information.

Here we have built an AI system where we can give our symptoms so that it can give us the disease and the drug prescription for the disease. Various details are given to this application so it can process those data for optimal outcome. Mostly the application gets the symptoms and issues of the user. Once the input is given the processing of the data takes place to identify the disease and to give the drugs for the appropriate disease. So here to get the accurate disease prediction we use Naïve Bayes and NLP algorithms which are associated with the patient’s details. So, with these result the user can take immediate action and for further treatment can consult the doctor.