PROJECT PROPOSAL

TEAM SHIELD

Divya Shivakumar: lon342

Utkarsh Singh: udg538

Vincent Davis: qmq086

Abdulqader Almasabe: zgk283

PREDICTION OF CHRONIC KIDNEY DISEASE USING SOFTWARE APPLICATIONS AND THEIR TECHNIQUES

Chronic kidney disease has become a global health issue and is an area of concern. Current medical system requires more time for CKD prediction as it requires more time for diagnosis, consultation, experience etc. Identification of Chronic kidney disease in early stages is the challenging factor in the current medical sector. This Software predominantly focuses on detecting life threatening diseases like Chronic Kidney Disease (CKD) using Classification algorithms. Proposed system is automation for chronic kidney disease prediction using classification technique ―naïve bayes‖ and―C4.5‖.In addition to this we can also detect the CKD using Transformers and by training neural networks.

- Proposed system is a medical sector application.
- Proposed system area of concern is CKD (chronic kidney disease).
- Proposed system is automation for CKD prediction.
- Proposed system predicts chronic kidney disease using classification techniques naïve bayes and ―C4.5.
- Proposed system predicts CKD based on the past patients records.

This is a real time which application consists of 4 modules , and the patient has access to his treatment records .

OUTCOME

The main aim of this project is to detect whether the patient has chronic kidney disease or not purely using software application. This Automated predictive result minimizes Patient expenses in hospitals for tests and other costly procedures for diagnose.

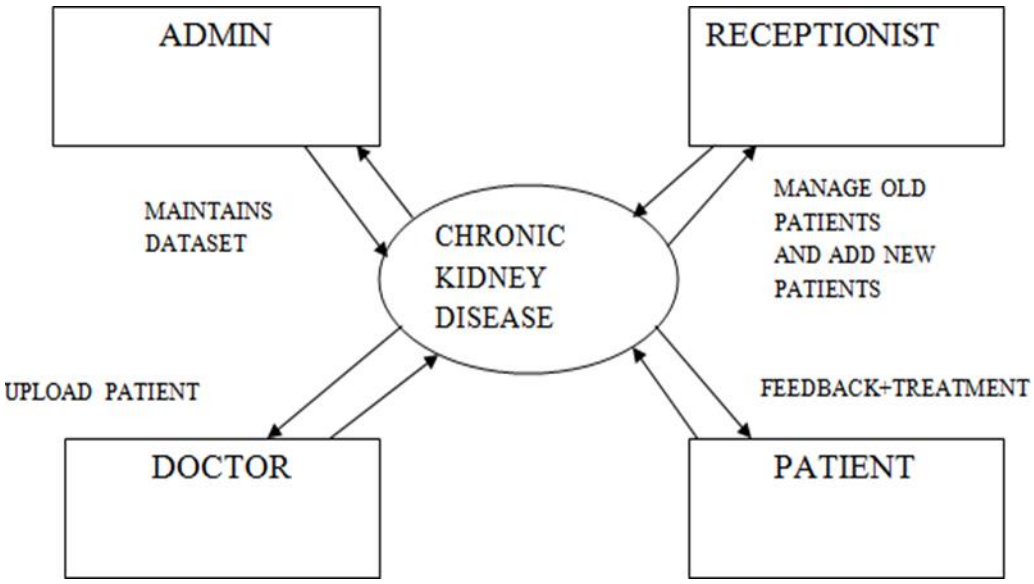

Figure 1: Schematic Representation of CKD Application