Aim: Diagnosis of Disease – Diabetes

Common factors that affect the chances of getting Diabetes:

1. Family History
2. Blood Pressure
3. Number of Times Pregnant
4. Abnormal BMI
5. High sugar in food intake

Data:

Primary Data:

1. Health reports of patient.

Secondary Data:

1. Data collected from patient’s family history.
2. Using several public datasets for training our model.

Objective:

1. Cost the accuracy of diabetes test.
2. Early prediction
3. To provide a cost-effective solution for detecting/treatment for diabetic patients.
4. To detect the type of Diabetes i.e. Type I or Type II

Algorithm:

Existing:

Advanced Sigmoid Classifiers/SVM

Proposed:

Convolutional Neural Networks(CNN)

Summary/Conclusion:

1. Considerable part of human population is under the grip of diabetes which is incurable.
2. If not managed well, diabetes can lead to health hazards. Hence, early detection of diabetes is extremely crucial.