METHODOLOGY ADOPTED:

The current system of diagnosis is based on urine examination using the serum creatinine level. Many medical methods are used for this purpose, such as screening, ultrasound method.

During the screening, patients with hypertension, cardiovascular disease in the anamnesis, diseases in the past and patients who have relatives with kidney disease are examined.

This technique involves calculating an estimated GFR from the serum creatinine level and measuring the urinary albumin-to-creatinine ratio (ACR) in the first morning urine sample.

This paper focuses on machine learning techniques such as ACO and SVM by minimizing features and selecting the best features to improve prediction accuracy.

PROPOSED METHOD:

A proposed framework for developing a prediction enginelearning models and their comparison .The main goal of current research is to design a machinelearning techniques to predict CKD using associative and classification algorithms.

The proposed technique generatesclassification association rules (CARs) to determine techniqueswith a high percentage of correctly classified cases andidentified classifiers may facilitate early diagnosis of CKD and a comparative analysis of the proposed technique is performed. using other state-of-the-art techniques.It briefly describes different stages:

(i). Data set selection phase:

The data set is selected predict CKD for data analysis and effective knowledge. Enough data is needed to implement the machine learning technique for the selected data set. In this set experiments, CKD data are obtained from UCI machine learning repository.

(ii). Pre-processing and transformation phase:

Data set is prepared in file format with attribute 16attributes. The data set is converted to binomial format implement associative techniques. Moreover, it is missing records, duplicate records and unnecessary fieldsremoved for standard data format.

(iii). Feature Selection Phase:

The most promising featureof the CKD dataset are selected using the WEKA pro toolbetter results. Feature evaluators and search methods are used for this purpose. A function based on correlation the selection subset evaluator is used as function evaluator, and a greedy stepwise search method is used.