V.S.B.ENGINEERING COLLEGE, KARUR

Department of Computer Science and Engineering

IBM NALAIYA THIRAN

LITERATURE SUYVEY

TITLE : FERTILIZERS RECOMMENDATION SYSTEM FOR DISEASE PREDICTION

DOMAIN NAME :AGRICULTURE

LEADER NAME : PARTHIBAN A

TEAM MEMBER NAME :KAUSIK T,MOHAMED AASHIQ S,PRABU S

MENTOR NAME :Mr. MANIKANDAN T(AP/CSE)

PROBLEM STATEMENT:

Agriculture is the backbone of every country in the world. In India, most of the rural population still depends on agriculture. The agricultural sector provides major employment in rural areas. Furthermore, it contributes a significant amount to India's gross domestic product (GDP). Therefore, protecting and enhancing the agricultural sector helps in the development of India's economy. In this work, a realtime decision support system integrated with a camera sensor module was designed and developed for identification of plant disease. Results demonstrate that the performance of the extreme learning machine is better when compared to the adopted support vector machine classifier. It is also observed that the sensitivity of the support vector machine with a polynomial kernel is better when compared to the other classifiers. This work appears to be of high social relevance, because the developed real-time hardware is capable of detecting different plant diseases.