

HOME AUTOMATION

PROBLEM STATEMENT:

To design a home automation system that is capable of learning and executing daily routines at an economical cost.

ABSTRACT:

Home automation is a topic which gaining popularity day by day, because of large advantages. One can achieve home automation by simply connecting home appliance electrical devices to the internet or cloud storage. The reason for this surge demand of network enabled home automation is reaching the zenith in recent days for its simplicity and comparable affordability and also make people save electricity, because most of the people due to work tension they forget to turn of the electrical appliances so in order to save power we use this home automation. Platforms based on cloud computing help to connect to the thing's surroundings everyone so that one can find it easy to access anything and everything at any time and place in a user-friendly manner using custom defined portals. Hence, cloud act as a front end to access IOT. Here we are assuming a system which can control devices through wireless based network or cloud-based approach. In project we use IOT based home automation system which goal is to develop a home automation system that gives the user complete control over all remotely controllable aspects of his or her home. The automation system will have ability to be controlled from a central host PC, the internet, and also remotely accessed via a packet PC with a windows mobile based application.

BLOCK DIAGRAM:

