

Review Paper on Smart Systems

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Abstract –Nowadays, technology has become an inseparable part of human lives. Technologies are smart enough to respond to human commands, provide protection to them and their accessories. Smart systems provide functionalities that of humans and are able to execute them much more efficiently than us. Smart systems search for multiple solutions for a particular problem and based on their intellectual capability and available knowledge base and are able to process solutions from solution set to give optimized output to the user.

Keywords: *Smart Systems, Artificial Intelligence, Knowledge Base, Database.*

I. INTRODUCTION

What are Smart Systems? Smart Systems are machines which are adaptive in nature. These systems can predict possible outcomes for particular problem with help of their previously solved problems which are stored in knowledge base. Smart devices imitate the functionalities provided by human such as Sensing, Actuating and Control in order to specify and analyze the situation in adaptive and predictive manner. Smart systems have their own views and viewpoints and can perform comparison between different views. Smart Systems are deployed based on their networking capabilities, their computational power and energy efficiencies. These devices have become an integral part of our day-to-day lives. From using smart phones to smart assistants to big cognitive computational machines we are surrounded by Smart systems. The main crux part of the smart systems is that their whole computational capabilities are based on Artificial Intelligence (similar to mimicking a human brain) with the help of neural networks and Fuzzy logic. Smart systems are Smart assistants to human beings. Smart systems have led to increase in demand and production of many industrial goods and services and has also reduced the error rate when compared to human labor.

II. EXISTING SYSTEM SURVEY

Existing system



Fig 1.1 Amazon Echo

A. Amazon Echo:

Amazon Echo is a voice based home automation system. Echo has no GUI. The device has a hassle free voice based user interface. It uses Natural Language Processing (NLP) to process the inputs and gives the output that the user has requested. It provides weather reports, news reports, setting reminders and alarms, plays requested music, answers your questions, reads the news for you, gives live traffic information and reads audiobooks from Audible, gives info on local businesses, provides sports