Abstract

People get the easier life, security, alertness with help of smart home which is based on Internet-of-Thing. Using real time monitoring of home one can access electric devices, switches, and other connected devices with or without help of smart mobile devices. Different sensors deployed at home monitor and read sensed information. Embedded sensing technique and user's historical data in the home have to be used for rule based service customization. In order to handle incoming context form sensors and to give appropriate response accordingly, Fuzzy Inference System (FIS) can be used in decision making purpose for customization of services.

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**Index Terms**

- Computer Science
- Control System

**Keywords**

- Smart Home
- Internet-of-things
- Context
- Context Awareness
- Rule-based Services
- Decision Making

Fuzzy Inference System