Study of Smart Home Automation in Customized Way by using Context and Rule-Based Services

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