

The Impact of IoT Concept on Smart Petcare Applications

WLSV Liyanage, N Wedasinghe, WAAN Wanniarachchi

Department of Information Technology, Faculty of Computing, General Sir John Kotelawala Defence University, Ratmalana, Sri Lanka

Abstract. Pets require extra care and special attention. This job is not as easy as it used to be, owing to today's busy lifestyle. The interaction between human and physical machines and machinery in the real world is drawing further attention, with the use of a normal and logical approach. According to this concept, life, and living well, has become a rising demand. Thus, how to raise pets easily has been the main challenge lately. The question that led to this research was "How does the IoT concept impact smart Petcare applications?" The purpose of this research paper was to examine the IoT concept characteristics and innovations of the latest smart Petcare applications. Implementing smart pet homes would ensure greater comfort and peace of mind for pet owners, especially when pets are unattended. Before implementing this smart pet home concept, one should study the existing features and facilities. This Research explores the impact of the IoT concept on smart Petcare applications potential of the machine, connectivity, and control systems across the Internet of Things, technology to facilitate human contact with pets.

Keywords: *Petcare, Internet of Things, Smart Petcare System, Monitoring Systems*