Abstract

The domain of the Internet has extended from computers to different types of heterogeneous and homogeneous sensors leading to connectivity of almost everything and making it smart. This has resulted in the development of Internet of Things (IoT). This paper attempts to give a brief description of the IoT system, its general architecture, the different layers of IoT architecture and the technologies used for the development of an IoT System. The main objective of the paper is to give recent advances in applications of various types in different domains. The application domains covers are Home Automation, Healthcare Sector, Smart Parking, Agricultural Areas, Wearable Devices and Fleet Management.

References

2. Daniele Miorandi, Sabrina Sicari, Francesco De Pellegrini and Imrich Chlamtac, "Internet
of things: Vision, applications and research challenges”, Ad Hoc Networks 10, 1497-1516, 2012

5. Article Title : http://www.dataversity.net/brief-history-internet-things/, Accessed date : 21/09/2017
24. Rashmi Singh, "A Proposal for Mobile E-Care Health Service System Using IoT for Indian Scenario", Journal of Network Communications and Emerging Technologies (JNCET), Volume 6, Issue 1, Jan-16
25. Pooja Kanase and Sneha Gaikwad, "Smart Hospitals Using Internet of Things (IoT)", International Research Journal of Engineering and Technology (IJRJE), Volume: 03 Issue: 03, Mar-16
26. Sara Amendola, Rossella Lodato, Sabina Manzari, Cecilia Occhiuzzi and Gaetano Marrocco, "RFID Technology for IoT-Based Personal Healthcare in Smart Spaces", IEEE Internet of Things Journal, VOL. 1, NO. 2, Apr-14
34. Jose O. Payero, Ali Mirzakhani-Nafchi, Ahmad Khalilian, Xin Qiao and Rebecca Davis,


38. Rajalakshmi P and Mrs. S. Devi Mahalakshmi, “IOT Based Crop-Field Monitoring And Irrigation Automation”, 10th International Conference on Intelligent Systems and Control (ISCO), Coimbatore, 2016


55. R. Kumar and H. Kumar, "Availability and handling of data received through GPS device: In tracking a vehicle", 2014 IEEE International Advance Computing Conference (IACC), Gurgaon, pp. 245-249, 2014


Index Terms

Computer Science
Information Sciences

Keywords