Abstract

Internet of Things (IoT) is derived from IT (Information Technology) and OT (Operational technology). Ultimately, IoT is using the information technology to control the physical devices of manufacturing sector for better resource utilization and creating new revenue through new products and services. IoT is a global network, which consists of objects, capable of collecting massive data in accurate and speedy manner, processing that data & then sharing that data with other connected devices for real time action. Industrial Internet of Things (IIoT) is an application of IoT in manufacturing sector. IIoT will rapidly transform gas, mining, oil, agriculture, healthcare sectors. IIoT is the torch bearer for fourth industrial revolution, named Industry 4.0. This paper shows that java is the single positioned platform to cater the needs of IoT applications. In addition, this paper makes use of IoT world forum survey to provide opportunities and challenges in adaption of industrial internet in systematic manner. This paper reviews the current progress of industrial internet & provides a summary of state-of-art of Internet of Things (IoT) in industries.
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Index Terms

Computer Science Programming Languages

Keywords

Internet of Things (IoT), JIoT, Industrial Internet of Things (IIoT), Wireless Sensor, Industry 4.0.