

Build a smart trash bin management application in the city.

Nguyen Duc Phuc

Abstract: In the context of increasingly severe environmental pollution, this topic focuses on building a smart trash bin management application to enhance the efficiency of waste collection and treatment in the city. The objective of the research is to develop an automatic monitoring system that helps reduce the amount of accumulated waste and improve the urban environment. The approach includes theoretical research on IoT technology combined with experimental deployment of the application in a pilot area. It is expected that the application of this system will not only bring significant economic benefits but also contribute substantially to the sustainable development goals of the city.

Keywords: Smart trash bin management application, IoT (Internet of Things), urban environment, sustainable development, automatic monitoring