



SMART SCHOOL BUS WITH IOT

Anwaar almamari, Moza almamari, Jawaher alshidi, Anna alsaidi

Information Technology Department

University of Technology and Applied Sciences, Shinas, Oman

66J1630@shct.edu.om, 66S161543@shct.edu.om, 66J17126@shct.edu.om,

66S1654@shct.edu.om

ABSTRACT

Nowadays, technology becomes the most important things in our life. Technology make our life easier and comfortable so we decided to implement IOT in our smart application (**Smart Bus with IOT System**). So, the Internet of Things (IOT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

With the advent of Internet of Things (IOT) technologies such as (GPS location trackers sensors, Pi camera, RFID, Thing Speak (cloud storage), Temperature sensor). Students will be less forgetful on the bus, ensure their safety and gain the trust of their parents. It also makes it easier for the driver to quickly deliver students to their homes.