**IOT BASED SURVEILLANCE USING HEXAPOD**

**ABSTRACT:**

The innovation of robot helps humans in lot of risky platforms including surveillance in human inaccessible zones. Most of the existing robots in this field are not compactable to the external environmental conditions as it is using wheels for the motion in terrain platform. To overcome this Hexapod which acts as a better solution to move in those terrain platforms with its leg can be used. The Hexapod is interfaced with a wireless camera for continuous surveillance. It use ZigBee module to send the data to cloud and the data is received through the IOT based device. The surveillance camera attached to the Hexapod continuously sends the images or videos to a distant source thus making it safer for humans to easily access the area. The Hexapod can easily move over the terrains with its legs and thus more efficient than other robots. This robot can be suitable in the defense field for surveillance in dangerous zones and also it can be used by the archaeologist to explore small caves or such difficult places for them to access, such that this hexapod can move into those places and capture the exact scenario.