# BLOCKCHAIN BASED SOLUTION TO SECURE IOT

## Abstract:

Our idea is to make IOT a secure one with the help of blockchain technology. The internet of things (IOT) enabled a common operating picture (COP) across the various applications of modern day living. We all know that the COP is achieved through the advancements seen in wireless sensor network devices that were able to communicate through the network thereby exchanging information and performing various analysis. In internet of things, the exchange of information and data authentication is only done through the central server not by any other source there by leading to the security and privacy concerns. Chances of device spoofing, less reliability, false authentication in data sharing could happen. To address such security and privacy concerns, a central server concept is eliminated and blockchain  technology is introduced as a part of IOT. In this paper we shall see about blockchain, internet of things and its development, future trends and it's applications.