Abstract

Smart cities, smart villages, everything getting smart and so are the hackers. Networking has an important significance in the modern world of technology and securing it is as important as implementing it. The authors have proposed a Secured GPS Localization(SGPSL) protocol for the purpose of securing the location of the sensor nodes without compromising the resources. SGPSL provides two level security, first at the network authentication level and other at sensor level. To minimize the resource utilization mitigation is carried out. SGPSL is compared with existing GDOP[17] technique. It is observed that the bandwidth, and the energy consumed by the proposed work is 16%, and 19% respectively lesser then GDOP. The time secured is 5.3% lesser too.

References


Index Terms

Computer Science Security
Keywords

GPS, Localization, WSN, GDOP, Encrypt, Secured Localization