

MAGNETIC INDUCTIONBASED WIRELESS UNDER GROUND SENSOR NETWORKS(WUSN)COMMUNICATION

SUNDARI B¹ and **THIYAGARAJAN S²**

^{1,2}Assistant Professor,

^{1,2}Dept of Electronics and Communication Engineering,

^{1,2}Peri Institute of Technology, Chennai, India.

nishasundari659@gmail.com and samthiyagarajan@gmail.com

1. ABSTRACT

Wireless Underground Sensor Networks (WUSNs) constitute one of the promising application area of the recently developed wireless sensor networking techniques. WUSN is a specialised kind of WSN that mainly focuses on the use of sensors at the subsurface region of the soil. For a long time, this region has been used to bury sensors, usually targeting irrigation and environment monitoring applications without wireless communication capability. In recent years, the communication in mining places has been suffering interferences. This project is mainly focused in providing communication reducing those interferences. The proposed method provides communication through the underground soil medium. The methodology comprising of MI probes helps in transmission and reception of data (text).


Dr. R. PALSON KENNEDY, M.E., Ph.D.

PRINCIPAL

PERI INSTITUTE OF TECHNOLOGY
Mannivakkam, Chennai - 600 048.