**Temperature Monitering System using Wireless Sensor Network**

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Abstract:

Wireless Sensor Networks represent a new generation of real-time embedded systems with significantly different communication constraints from the traditional networked systems.

The power of wireless sensor networks lies in the ability to deploy large numbers

of tiny nodes that assemble and configure themselves. The most straightforward application of wireless sensor network technology is to monitor remote environments for low frequency data trends. For example, a chemical plant could be easily monitored for leaks by hundreds of sensors that automatically form a wireless interconnection network and immediately report the detection of any chemical leaks. Unlike traditional wired systems, deployment costs would be minimal. Instead of having to deploy thousands of feet of wire routed through protective conduit, installers.

Here we are using Temperature Sensor which are placed at nodes and planted at various places so that they can sence the temperature and can be transmitted to the base station.