

Project Name: IoT in Rural Areas

Sensing Public Spaces, Fields and the Environment; improving Resource Management and Rural Well-Being



Location:

Peri-urban: Dharamshala, India;
Rural – Bylakuppe, Karnataka, India

Description :

Two project implementation areas, a rural/agricultural one and a municipal/peri-urban, where we will deploy, test and collect data from a number of IoT systems.

In the rural site the project will focus on issues such as precision agriculture (water regime, nutrients, weather and possibly pests), water systems monitoring and management, and weather data collection.

In the Peri-urban site, which has been selected as one of India's first "Smart Cities" the project will explore the installation, utilization and benefits of IoT in assistance to garbage collection and possible monitoring and improvements of electricity systems (street lights, etc.) real-time weather data collection and reporting, and other IoT implementation to be explored together with the municipal authorities.

Project Promoter:

AirJaldi Networks - Rural Broadband PVT. LTD.

Project Objectives:

1. To demonstrate how IoT systems contribute to addressing environmental, public health and economic concerns,
2. To deploy IoT sensors and devices,
3. Study, propose improvements and publically share findings on this work, and
4. To highlight the of World Wi-Fi Day initiative.

Finance:

Given the framework proposed – two physical locations, four of five systems, 15-months project. Estimation of the overall project cost to be around \$100K.

Looking for funding of \$55K for equipment (sensors, related devices, systems, connectivity Wi-Fi and/or other means).

Participants can fund multiples of \$5K.