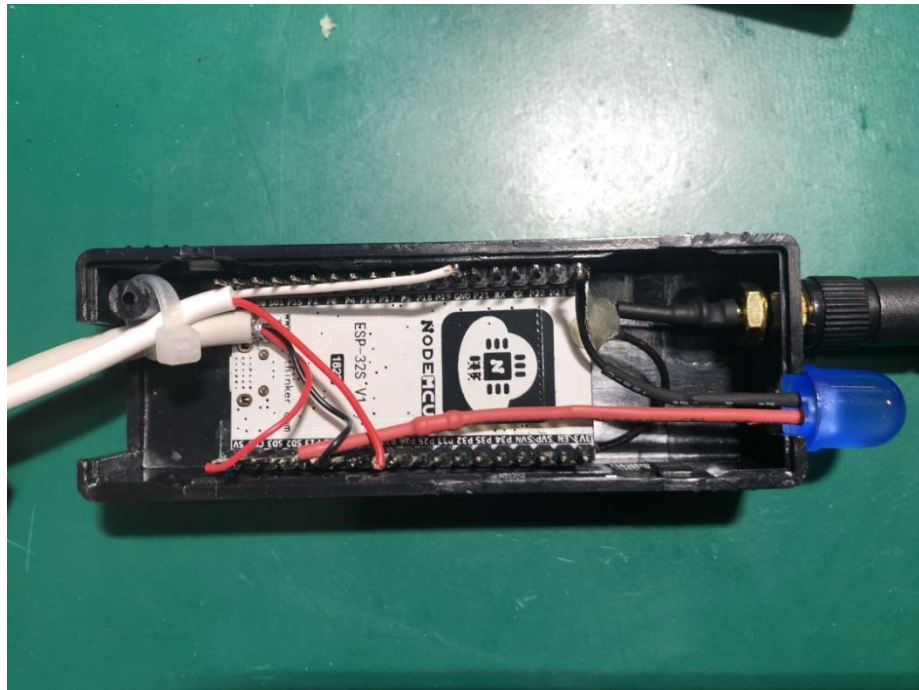


2020 Projects and Design projects (IRACC)

Underground water leakage detection system

The proposed system helps us to identify leakage in underground pipelines. The data collected from the accelerometer sensor is converted into matrices using MATLAB and graphs are plotted of both the accelerometer sensors. The sensor with highest number of peaks which is greater than a threshold value is closer to the leakage.



Automation of STTP in FISAT

The automation of the sewage treatment plant in the camps has been carried out as four sections, which includes Level indication and automatic motor switching, Alternative switching between two motors, Control panel installation and Ph measurement and control system. The proposed system has been successfully applied to a waste water treatment plant and has realized optimal control, operation and management. Production cost and quality of waste water have been decreased and improved greatly.

