



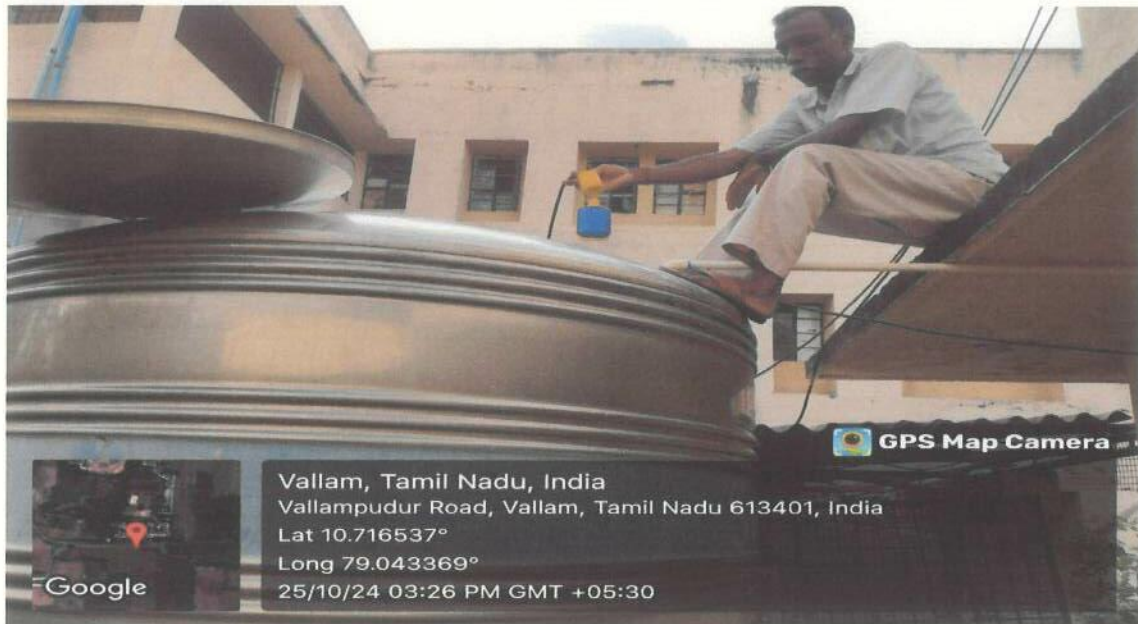
PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE & TECHNOLOGY (PRIST)

Declared as DEEMED-TO-BE-UNIVERSITY
U/s 3 of UGC Act, 1956

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures.

4. Sensor based energy conservation:

The institution has the facility for sensor-based energy conservation using an automatic water level sensor to prevent overflows in tanks, mitigating damage and waste. These sensors measure the dielectric constant of the water, which changes with the water level. A capacitor's plates are partially submerged in the water, and as the water level changes, the capacitance changes accordingly. The change in capacitance is measured and converted into a water level reading. Integration of these sensors with control systems enables process automation, enhancing operational efficiency and reducing manual intervention.



REGISTRAR

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