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(71)**Name of Applicant :**
1)Periyar Maniammai Institute of Science and Technology
Address of Applicant :Periyar Maniammai Institute of Science and Technology, Thanjavur, India. ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. G. Preethi
Address of Applicant :Assistant Professor (SG), Department of Computer Science and Applications, Periyar Maniammai Institute of Science & Technology, Thanjavur. ---------- ----------
2)Dr.S.Manimozhi
Address of Applicant :Assistant Professor, Department of Computer Science and Applications, Periyar Maniammai Institute of Science & Technology, Thanjavur. ---------- ----------
3)Dr. V. Srithar
Address of Applicant :Assistant Professor (SG), Department of Computer Science and Applications, Periyar Maniammai Institute of Science & Technology, Thanjavur. ---------- ----------
4)Dr. P. Aruna
Address of Applicant :Associate Professor, Department of Software Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur. ---------- ----------
5)Dr.M. Sharmila Begum
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur. ---------- ----------
6)Dr. M. Chandrakumar Peter
Address of Applicant :Assistant Professor, Department of Software Engineering, Periyar Maniammai Institute of Science & Technology, Thanjavur. ---------- ----------
7)Dr. D. Maghesh Kumar
Address of Applicant :Associate Professor, Department of Software Engineering, Periyar Maniammai Institute of Science, Thanjavur. ---------- ----------

(57) Abstract :
Both human beings and the rest of the natural world depend on water to stay alive. To ensure that residents have access to the safe, high-quality water they need, we have created an automated water quality control system that uses the Internet of Things. We've developed a gadget that utilizes many sensors to determine not just the water's pH but also its pressure, flow rate, temperature, and other attributes. We propose using a sensor with a smart interface to monitor water pollution, leaks in water pipelines, and the locations of water storage reservoirs. The water quality has been tracked using a pH sensor, a tank level detector, and a leak detection in the pipes. It has been possible to monitor the water's temperature thanks to the sensor. Throughout each and every test, the ultrasonic sensor is used. The equipment may be charged by connecting it to a laptop computer or a mobile phone. With the aid of this gadget, which can be deployed in smart buildings, we can gather and analyses the water-use patterns of building inhabitants. This will help us save a lot of water that would otherwise be wasted.

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