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(51) International classification	:G06Q0050060000, G06Q0010200000, G06Q0020320000, H04L0009400000, H04L0067020000	(71) <b>Name of Applicant :</b> <b>1)NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b> Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. Uttar Pradesh India
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(57) Abstract :

The invention discloses an IoT-based platform (100) for smart water leakage detection. The system integrates flow sensor (101), pressure sensor (102), humidity detector (103), microcontroller (105), and communication module (104), connected to a cloud server (106). Real-time alerts are delivered via mobile app (107) and web dashboard (108). Predictive analytics improve detection accuracy, ensuring water conservation, reduced damage, and preventive maintenance.

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