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(57) Abstract : ABSTRACT IOT BASED SMART WATER MONITORING & DISTRIBUTION SYSTEM FOR AN APARTMENTS As we know water is so precious for human being as well as for the complete nature without which it will not be possible to survive. Even though lot many efforts have been taken by government through various schemes and it is becoming difficult day by day to save water for future and make efficient utilization of it. In this proposed work, an IoT design for water monitoring and control approach which supports internet-based data collection on real time bases. This proposed system shall implement in highly populated residential buildings like hotels, lodge, hostels, dominery, apartments, shopping malls etc. And also, this system can provide a complete survey and the usage of water by every individual room. This system addresses that the flow rate measuring and scheming the supply of water in order to limit the water wastage and approach the water conservation and also this system can measure the quality of water distributed to every household by using ph and flow rate sensors. The system has been designed in such a way that it will monitor the available water level continuously. System has been implemented by using embedded system and communication will takes through IoT.

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