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(54) Title of the invention : IOT BASED RAIN WATER HARVESTING SYSTEM FOR WASHING MACHINE BY USING RASPBERRY PI

(51) International classification	:A47J0031460000, G06Q0050160000, B01J0019100000, E03B0007020000, A61K0031135000	(71)Name of Applicant : 1)SWAMI VIVEKANANDA UNIVERSITY Address of Applicant :Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal 700121, India West Bengal India
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(57) Abstract :

Water is an essential human need. In July 2010, the United Nations General Assembly explicitly recognized the human right to water and sanitation and acknowledged that clean drinking water and sanitation are essential to the realization of all human rights. Contaminated water does not only taste bad, it could be deadly. Water-related diseases affect more than 1.5 billion people every year. Unfortunately, there is limited awareness of the possibility of contamination in the house water tanks, and more should be done to educate consumers on the importance of maintaining a hygienic water tank. In this project a system is proposed to remotely sense, record, and report the quality of water stored in reservoir. The system sends alert messages to the landlord. When one of the quality parameters is lower than the standard values and the water of the reservoir tank can also be used by the help of the dc motor valve controller by which the water is supplied to the washing machine. The whole process will be controlled by the smart phone.

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