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| Book Name: | **Intelligent IoT Systems: From Research to Real-World Solutions** |
| Manuscript Number: | **Ms\_BPR\_6282.1** |
| Title of the Manuscript: | **Smart Water Management Using IoT: An Integrated Approach to Conservation and Automation** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | Designed for straightforward installation and compatibility with standard residential water tanks, the system allows for sensor calibration and threshold adjustments through the Blynk interface, enhancing its adaptability. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **No addition is required its enough to deal the abstarct** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes** water management system that leverages the Internet of Things (IoT) to keep tabs on water levels in tanks, spot potential leaks, and automate the collection of rainwater in homes. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Yes** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Good |  |
| Optional/General comments | The proposed IoT-based water management system seamlessly integrates water level monitoring, leak detection, and rainwater harvesting automation into a unified and efficient framework. By leveraging the ESP32 microcontroller and cloud connectivity through Blynk, this system offers a budget-friendly, real-time, and user-friendly solution for residential and small-scale water conservation. Testing has demonstrated impressive accuracy and reliability across various modules, even when offline, proving its effectiveness for smart home and urban applications.  Replace the esp 32 by advance controller for future implementation |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)*  No issues |  |

**Reviewer details:**

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