

IBM PROJECT – PNT2022TMID26856

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LITERATURE REVIEW

| S. NO | TITLE | YEAR& AUTHOR | METHODOLOGY | ADVANTAGES |
|-------|---|--|---|--|
| 1 | Assessment of municipal solid waste management system in Lae city | Year: 2021 Author: Willie Doaemo, Sahil Dhiman, Alexander, Borovskis, Wenlan Zhang, Sumedha Bhat, Srishti Jaipura, Mirzi Betasolo | 3 core waste management hierarchy system (3CWMH) | The primary collection of MSW will create new jobs. |
| 2 | An IoT Enabled Smart Garbage Management System for Effective Waste Utilization Strategy in Cities | Year: 2022 Author: Mr. Sandeep Bhatia, Mr. Vinay Ahlawat, Dr. Soniya Verma | Intelligent garbage management system. | It reduces environmental pollution |
| 3 | Waste Management System Using IoT-Based Machine Learning in University | Year : 2020 Author : Tran Anh Khoa, Cao Hoang Phuc, Pham Duc Lam, Le Mai Bao Nhu, Nguyen Minh Trong, Nguyen Thi Hoang Phuong, Nguyen Van Dung, Nguyen Tan-Y, | waste management by predicting the probability of the waste level in trash bins | The system can be built cheaply, simply, and effectively |

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| | | Hoang Nam Nguyen and Dang Ngoc Minh Duc | | |
| 4 | IoT Based Smart Garbage And Clearance System | Year : 2022 Author: Ms.K.Aiswarya Assistant Professor/ECE, SRM TRP Engineering College | System in which Smart bin it integrates the idea of IoT with wireless sensor network. | a single location instead of four bins for the four different types of garbage, one large bin can be placed. |
| 5 | Smart City Waste Management through ICT and IoT driven Solution | Year : 2021 Author : Dipak S. Gade & P. S. Aithal Post Doctoral Research Scholar, Department of Computer Science and Engineering, Srinivas University, Mangalore, India | Dedicated websites for Smart Waste Management. | It is highly recommended to develop the full- fledged system as per stated requirements and building blocks. |
| 6 | Pathways to sustainable waste management in Indian Smart Cities | Year: 2020 Author : V.R. Sankar Cheela, Ved Prakash Ranjan, Sudha Goel, Michele John, Brajesh Dubey | The study areas were selected to cover all the categories from the smart cities. | Door-to-door collection of waste is being implemented. |

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| 7 | Smart Garbage Bin – A Waste Management System | Year : 2020 Author : Nayan Patel, Omkar Mugdum, Tirthesh S. Pawar, Deepshikha Chaturvedi, Shashikant S. Radke | Smart Dual Dustbin Model for Waste Management in Smart Cities . | users with metro smart cards can easily access these bins |
| 8 | Smart Waste Management System using IOT | Year :2020 Author : Tejashree Kadus, Pawankumar Nirmal, Kartikee Kulkarni | All smart dustbins can be accessed from anywhere and anytime . | Low implementation cost |
| 9 | Development of an IoT System for Efficient Classification and Management of Solid Waste in Indian Cities | Year : 2019 Author : S.Loganayagi, C.Jeyabharathi | The dustbins are organized at various places. The smart clean dustbin is associated with web . | Automatic sensing system is designed using efficient status of dustbin monitoring system |

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| 10 | Garbage Management of Smart City Using IoT | Year : 2017 Author : Ms.Ankita Khedikar , Ms.Monika Khobragade, Ms Neha Sawarkar, Ms. Nikita Mahadule , Ms.Snehal Khasbage,Ms. Sonika Kolhatkar, Prof. Tikesh Harinkhede | In this project humans and vehicles were used to do that work and here we are using automatic technique to detect garbage level in Garbage can. | Ease of operation Low maintenance cost |
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