LITERATURE SURVEY

Team ID	PNT2022TMID53005
Project Name	Smart Waste Management For Metropolitan Cities

S.No.	Title	Conference/Journal	Author	Inference
1.	"IOT Based Smart Waste Management System."	Department of Computer Science and Engineering, Sri Eshwar College of Engineering, Coimbatore, India : Date of Conference: 19-20 March 2021, 03 June 2021	N Gayathri : A R Divagaran : C D Akilesh : VM Aswin : N Charan:	In this paper with the help of cloud computing and IOT sensors we are implementing only in premises where an RFID card is provided, this will help us in saving the cost as well as the for creating the individual records of the management, and this will create a larger impact on the individual food excess at the working surroundings.
2.	**"**Internet of Things based Intelligent Waste Segregation and Management System for Smart Home Application"	2022 7th International Conference on Communication and Electronics Systems (ICCES), 2022, pp. 1737-1743, doi: 10.1109/ICCES54183.2022.9835844.	M. Bhuvaneswari, K. Tansin, S. T. Ahamed, N. T. Sri Ram and S. V. Prasath	The domestic garbage separator functions as a smart bin, separating waste into three categories: wet, dry, and metallic .The garbage bin module is also connected to the centralized control unit of the smart home to alert the user about the garbage bin. The garbage bin is then replaced to recycle it. To minimize trash size and make recycling easier, the inlet can be modified to include a crusher mechanism
3.	"Smart Waste Bin: Mechanical and AI Based Waste Segregation."	2022 Second International Conference on Artificial Intelligence and Smart Energy (ICAIS), 2022, pp. 63-66, doi: 10.1109/ICAIS53314.2022.9742806.	M. Zubair, Y. Mathur, H. Rathore, P. Gupta and S. Banerjee,	In this paper a waste bin is proposed, where two technologies, Conventional and Advance are clubbed and made over a single platform to be utilized as a support system to each other. Since smart doesn't mean to put sensors and automate the process but as of now, the smart indicates the intelligence. The proposed waste container uses a Computer Vision which is a subpart of Artificial Intelligence, to make the process of segregation effective.

4.	“Smart Bin For Waste Management System”	2019 5th International Conference on Advanced Computing & Communication Systems (ICACCS), 2019, pp. 1079-1082, doi: 10.1109/ICACCS.2019.8728531.	S. Sreejith, R. Ramya, R. Roja and A. S. Kumar	In this paper controller is interfaced with the IR sensor, gas sensor and Rain sensor.IR sensor screens the dimension of the canister persistently. The threshold level is made for IR Sensor. When it reaches the threshold level it will automatically close the top door of the bin, then it moves the bin to the garbage collecting area by means of two-axis robot. When it reaches the area it will open the side door of the bin to dispose the wastes in the bin for a particular time. After the bin gets empty it automatically closes the side door of the bin and it return back to its place and opens the top door again.

				Decision trees and regular neural networks are all compared with the ensemble model and the latter outperforms the remaining.
5.	"Prediction of Graduate Admission using Multiple Supervised Machine Learning Models"	" *2020 SoutheastCon*, 2020, pp. 1-6, doi: 10.1109/SoutheastCon44009.2020.9249747.	Z. Bitar and A. Al-Mousa	In this paper Regression, Classification and Ensemble learning are employed. Linear, Support Vector, Decision tree and Random Forest regression were compared using the R^2 coefficient and Decision tree was found to be the most accurate regressor. Similarly for classifiers Logistic regression, Support vector classifier and Decision trees are used and Decision trees and SVC were found to be equally accurate and with high accuracy. The Ensemble methods employed are voting classifiers, Bagging, AdaBoost and Stacking on common sub-models.