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| Date | 02 November 2022 |
| Team ID | PNT2022TMID22857 |
| Project Name | Project – Smart Waste Management System For Metropolitan Cities |
| Maximum Marks |  |

**LITERATURE SURVEY**

**SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES**

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| **S. N O** | **TITLE OF THE PAPER** | **AUTHOR NAME** | **YEAR OF PUBLICATION** | **REMARKS** | **OUTPUT** |
| 1 | IOT based smart waste  bin monitoring and municipal solid waste management system for smart cities | Muhammed irfan, Abdullah saeed, Al wadie , adam | 4-June/2020 | Environmental Pollution.  Improper collector and disposal mechanism | Collect  the waste effectively. Detection of fire in waste material.  Wirelessly connected  with the  central hub  Of transmit the info about the bins filling level with existing collection.  Avoid the  overflow of bins. |

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| 2 | Smart garbage segregator and IOT based waste collector system | Mrigank goel, Amogh harsh goyal,  Preeti dhiman, Vikas deep, Purshottam sharma | 05-March/2021 | All wet waste are not used for urban agriculture, organic farming. | It segregates the metallic dry and wet waste.  It also convert that it can be further used in urban agriculture, organic farming. It alert the waste management Center through IOT system |

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|  |  |  |  |  | whenever any of the metallic or dry garbage Bins is full to avoid serious environment hazards |
| 3 | A novel  strategy for waste prediction using machine Learning algorithm with IOT based intelligent waste management system | G.Uganya, D.Rajalakshmi, Arun Radhakrishnan Ramya , Yuvaraja teeka, -raman | 10-Feb/2022 | Low cost Method  High accuracy Complicated method Because of using machine learning algorithm | Automatic method, predicting the possibility of waste things. The waste capacity ,gas level, metal level monitored continuously Using IOT based  dustbins. Tested by random forest algorithm gives the  accuracy of  92.15% and give time consumptions of 0.2 ms. |