IDEATION PHASE LITERATURE SURVEY

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| Date | 3 September 2022 |
| Team ID | PNT2022TMID043251 |
| Project Name | Smart Waste Management System For Metropolitan Cities |
| Maximum Marks | 4 Marks |

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| SI:N O | TITLE OF THE PAPERT | AUTHOR | METHODOLO GY | MERITS | YEAR OF PUBLICATI  ON |
| 1 | Smart waste bin Managemen t | Parthasar athi Manickar aja | Uses the Ultrasonic sensorto level the dustbin and also uses the GSM  Module | Provides an alert message once the level has reached to the authority | 2022 |
| 2 | Smart waste manage ment using IOT | Tejashree Kadus | Technolo gy used is a load cell and aWi- Fi module | Segregate thewaste in the dustbin and provides and alert  message | 2020 |
| 3 | Smart waste managem ent systems using machine learning | David Rutgvist | Uses automated machine learning for a real life smart waste managemen t | It focuses on problems of detection of emptying of a recycling container using sensor measurem  ents | 2019 |

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| 4 | Real time solid waste bin monitoring system framework using wireless sensor  network | Thiyaga priya dharshini | Smart bin based ona microcontr oller based platform Arduino which is interfaced with GSM  Module | Waste manageme nt efficiency and itavoids lumping of wastes | 2019 |
| 5 | Smart waste collectio n system | Muhamd JavedRa mzan | Technolog y based on sensor based collection and uses route  Algorithm | It identifies the status of waste bin levels along with the location to replace the  bin | 2018 |
| 6 | Waste manage ment and tracking | B Keerthana | Technology based on ZigBee. | Less expensive Lock based System with acknowledg mentalert  system | 2017 |
| 7 | Smart Recycle Bin | Mohd Helmy Abd Wahab, Aeslina Abdul Kadir | A Conceptual Approach of Smart Waste Management with Integrated WebBased System | At the time of trash disposal, the material to be recycled could be identified using  RFID technology | 2015 |