**PROJECT DESIGN PHASE –I**

**PROPOSED SOLUTION**

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| **DATE** | **4 NOV 2022** |
| **TEAM -ID** | **PNT2022TMID26869** |
| **PROJECTNAME** | **Proposed Solution forIOT Based Smart waste Management System forMetropolitanCities** |
| **MAXIMUMMARKS** | **2 Marks** |

PROPOSEDSOLUTIONTEMPLATE:

Projectteamshallfillthefollowinginformationinproposedsolutiontemplate.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to besolved) | To develop economic waste managementsystemforeachvillageandcity |
| 2. | Idea/Solutiondescription | This system can be used to detect the garbage level and weight. |
| 3. | Novelty/Uniqueness | Trash talker, Image processing technique, using rasparry pi camera, pick up hand, convey or belt  ,hand sensor smart bins,giving notification bysectoralarm. |
| 4. | SocialImpact/CustomerSatisfaction | By implementing this we can make ourenvironmentcleanandcontrolthe spreadingof  infectiousdiseasesfromgarbage |
| 5. | Scalabilityofthe Solution | Image processing technique , Conveyor belt,pick up hand, Trash talker and sensors are usedto separatethewastes,control theoverflowof  wasteandgivesalarmtothe respectivesector. |