TEAM ID : PNT2022TMID14142

Date	15/10/2022
Team ID	PNT2022TMID14142
Project Name	Smart Waste Management System For Metropolitan Cities
Maximum Marks	4Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- ⭐ Find the best tech solution to solve existing business problems.
- ⭐ Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- ⭐ Define features, development phases, and solution requirements.
- ⭐ Provide specifications according to which the solution is defined, managed, and delivered

Solution Architecture Diagram:

A smart city is city development to manage
multiple information and communication technology in order to make a solution for any problem in the city.

To overcome this challenges we proposed efficient routing using Enhanced Route Selection (ERS) Algorithm which will

It provides hygienic, efficient and economic solid waste storage, collections , transportation and treatment or disposal of waste without polluting the atmosphere

In smart cities, the IOT embedded smart waste bins that are capable of monitoring the waste state inside the bins

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GSM Module

Navigation system

Municipal Corporation