

WASTE MANAGEMENT ERD REPORT.

INTRODUCTION

This report shows an ERD for a waste management system. The ERD represents data structure and relationships between entities in the system.

ENTITIES

Residents: Represents people who generate waste.

Waste: Represents the waste generated by residents

Waste Management Facilities: Represents facilities that provide waste management services.

Waste Collection Services: Represents services that collect waste from residents.

Waste Disposal Methods: Represents methods used to dispose waste.

Community Participation: Represents community involvement in waste management activities.

Policy Interventions; Represent policies and interventions aimed at improving waste management.

RELATIONSHIPS

Residents-Waste (one to many): One resident generates multiple waste items.

Waste-Waste Management Facilities (Many to One): Multiple waste items are disposed at one facility.

Waste Management Facilities-Waste collection services (One to Many): One facility provides services to multiple waste collection services.

Community participation-Residents (One to Many): One resident participates in multiple community activities.

Policy Intervention-Waste management facilities (One to Many): One policy intervention affects multiple waste management facilities.

FOREIGN KEYS

Waste: ResientID references Residents.

Waste Collection Services: FacilityID references Waste Management Facilities.

Community Participation: ResidentID references Residents.

Policy Interventions: FacilityID references Waste Management Facilities.

1. Informed decision making: It supports informed decision making in waste management policy and practices.
2. Improved data management: Efficient storage and use of waste management data.
3. Improved data analysis: Ability to analyze data and identify trends.

Conclusion

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The waste management ERD provides a unique framework for understanding the relationship between entities in a waste management system. The ERD enables effective data management, analysis and decision making in waste management.