

Department : Civil

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Group No: 2

Guided By

**MISS. DARSHANA  
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## **SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA**

### **Project Title**

### **“EVALUATION OF SOLID WASTE MANAGEMENT SYSTEM OF UNJHA CITY TO SUGGEST SUITABLE MANAGEMENT STRATEGIES”**

#### **Abstract:**

Solid waste management is one among the basic essential services provided by municipal authorities in the country to keep urban centers clean. However, it is among the most poorly rendered services in the basket—the systems applied are unscientific, outdated and inefficient; population coverage is low; and the poor are marginalized. Waste is littered all over leading to insanitary living conditions. Municipal laws governing the urban local bodies do not have adequate provisions to deal effectively with the ever-growing problem of solid waste management. With rapid urbanization, the situation is becoming critical. The urban population has grown fivefold in the last six decades with 285.35 million people living in urban areas as per the last Census. The need for genuine and organized initiatives of waste management in the rural or undeveloped areas has been regularly voiced in India. With the emerging concern on large quantity of the waste being produced in the form of solid waste, the concept of waste management becomes one of the key focuses of sustainable development principles. Waste reflects an imperfect human system of production & consumption. Being engineer it becomes principal responsibility to make conscious efforts to improve living quality standards of the livelihood place through technical skills. With increasing population, the waste produced will definitely increase along with the increase in Unjha City population. It is necessary to implementation of effective Solid Waste Management System to dispose of waste in an eco-friendly manner in order to reduce the environmental impacts. To test our skills and give something to our city, this project is aimed to design effective Solid Waste Management strategies of Unjha City. In this study, emphasis is laid on the study of components of municipal solid waste, collection, segregation and treatment and disposal processes of Unjha Municipal Corporation. Every municipality is concerned about how to manage the waste once it is generated. But no one thinks in the direction of generating less waste. Unjha Municipal Solid Waste consists of more than 15 types of solid wastes. Out of 10.8 MT of waste generated daily in the city of Unjha, over 1.25Mt is recyclable waste. Still only a small quantity of this valuable waste is retained before it gets dumped at the disposal site. This reflects that proper management strategies should develop for human welfare and city development, which is the key objective of the study.

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