

Domain : Artificial intelligence (AI)

Batch No.C15



G. Narayanamma Institute of Technology & Science (For Women) (Autonomous)

Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

<GN-R-18> (2022 - 2023) II B .Tech II Sem Hobby Project

on "Waste segregation"

Abstract

Waste segregation refers to the process of identifying, sorting of various components of solid waste namely Plastic, Glass, Metal, paper ,organic waste , etc .Waste segregation is an essential step to boost the process of recycling .This project proposes **Waste segregation** system with web services using Artificial intelligence (AI) .The main concept of this project is at present situation waste is not segregated ,when collected from households . Even though we are in the modern era, many people still do not know how to distinguish between organic and recyclable waste. It is because of this that the world is facing a major crisis of waste disposal . So a lot of workforce and effort are needed to separate this waste. So the idea is that waste segregated should be done at the earliest stage possible, and decrease the possibility being contaminated by other waste things and make this waste segregation process more productive at house holds itself. The proposed project is aimed to use Image Processing and detects the type of waste material.

H/W & S/W Requirements

H/W : Operating System(Windows 10), Processor(64-bit, four-core, 2.5 GHz minimum per core),
RAM(24 GB for developer and evaluation use), Hard disk(80 GB for installation).

S/W : HTML ,CSS ,Java Script , My sql , Image Processing.

*Dept R&D: ~~Yes~~/No

* If No : GNITS



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