

AI Enhanced Recycling



Team Name : Binary Brigade
Presented By : Roshan Santhosh

BASIC DETAILS OF THE TEAM AND PROBLEM STATEMENT

ORGANIZATION NAME : AICTE – MIC

PS CODE : SIH1482

PROBLEM STATEMENT TITLE : STUDENT INNOVATION
[AI Enhanced Recycling]

TEAM LEADER NAME : ROSHAN SANTHOSH

THEME NAME : SMART AUTOMATION



Idea/Approach Details

AI-enhanced recycling involves using artificial intelligence (AI) to improve various aspects of the recycling process, from collection and sorting to processing and waste management. Here's a step-by-step guide on how to implement AI-enhanced recycling:



Collection of wastes

Sorting

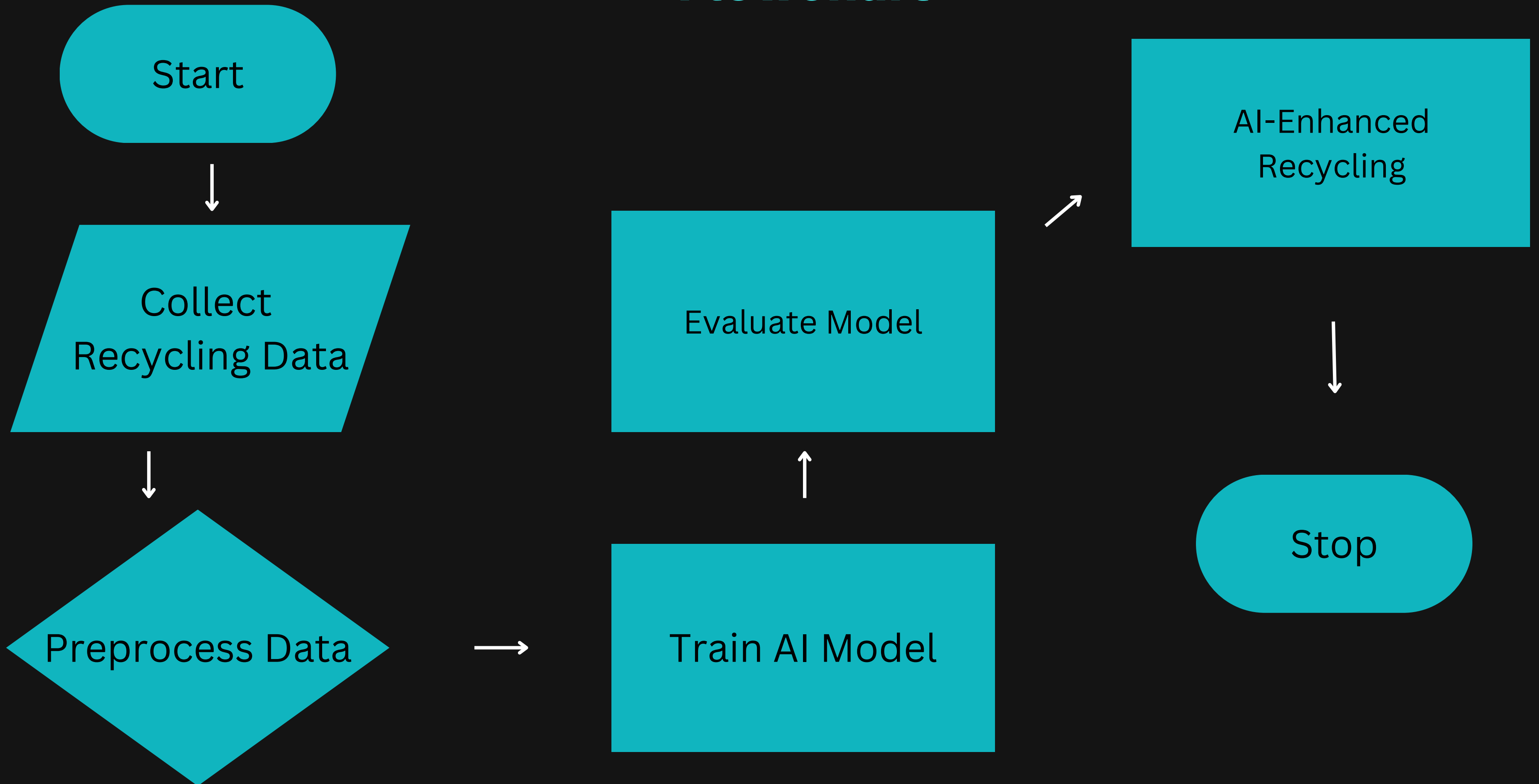
Material Identification (AI-Enhanced)

Decision-Making (AI) & Seperation

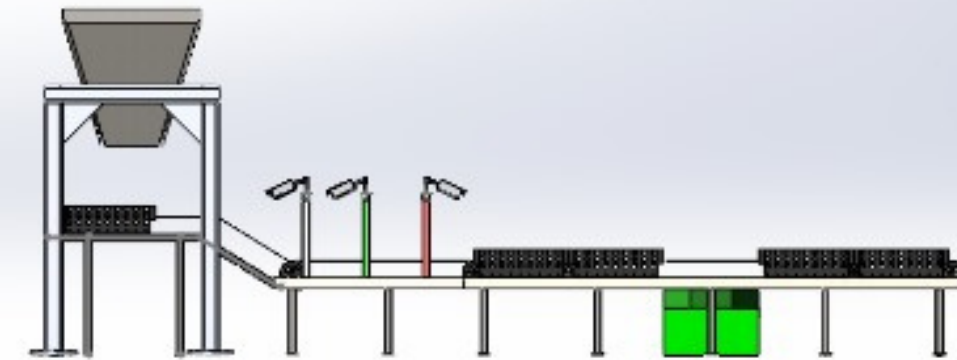
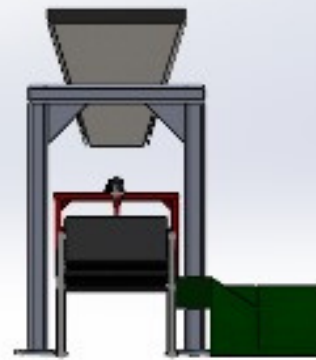
Distribution

Feedback Loop (AI Learning)

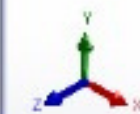
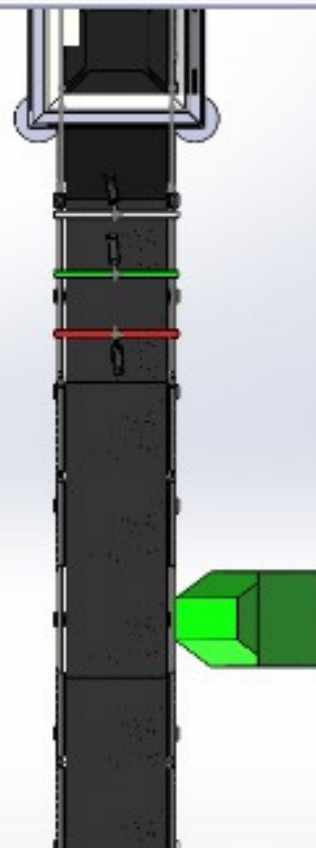
Flowchart



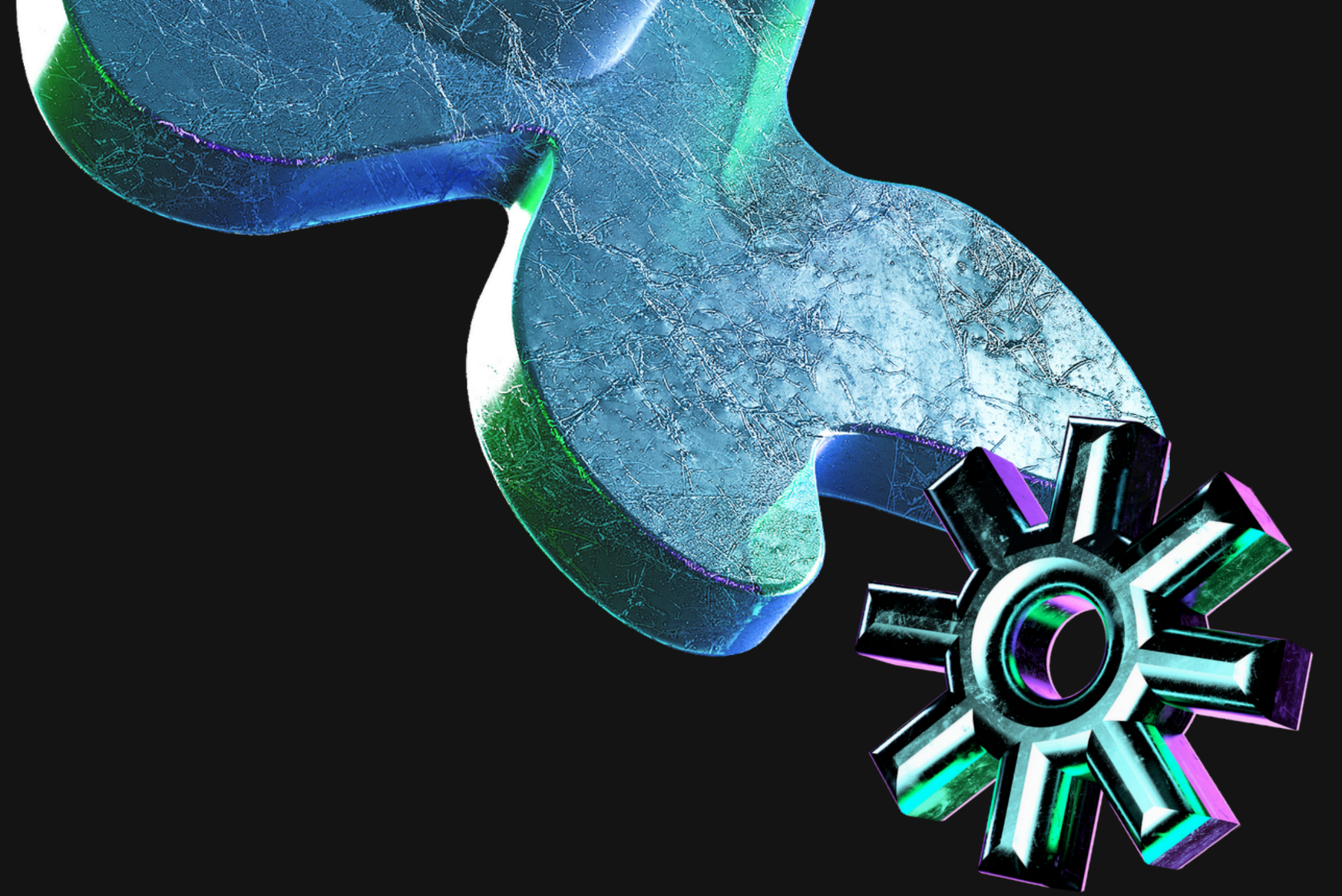
3D Model



Left



Isometric



Do you have
any questions?



TEAM MEMBER DETAILS



TEAM LEADER NAME: ROSHAN SANTHOSH

BRANCH : B.E

Stream : MECH

Year : II

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Thank You