# A Review Paper on the E-Waste Facility Locator

**Dr. Khatri A. A., Prof. Bangar A.P., Prof. S. B. Bhosale,**
**Mrs. Doke S. K., Mrs. Kurhe H. S., Mrs. Maniyar A.A.**
JCEI's Jaihind College of Engineering, Kuran, Maharashtra, India
shrutidoke998@gmail.com, harshadakurhe41@gmail.com, aribamaniyar01@gmail.com

**Abstract:** E-waste, or electronic waste, is one of the fastest-growing waste streams globally, posing significant environmental and health risks due to hazardous materials like lead, mercury, and cadmium. Effective disposal and recycling of e-waste is essential to mitigate these risks and promote sustainable practices. This project aims to develop an E-Waste Facility Locator, a web-based application that helps users locate authorized e-waste disposal and recycling facilities near them. By integrating geographic data and user inputs, the system will allow individuals and organizations to search for nearby facilities based on location ,type of waste, and operational hours. The incorporated communication features make interactions between users and facility administrators more convenient through sending notifications and messages. Detailed planning, market analysis, and incorporation of regulatory compliance measures were done prior to the development of the platform itself. Its usability and security were tested for its reliability and safety for users. Following this, strategic deployment with focused marketing strategies ensured maximum user adoption and engagement. The E-Waste Facility Locator platform, in providing a single, easily accessible solution for e-waste management, aims at enhancing operational efficiency in e-waste recycling, mitigating environmental impacts, and promoting a culture of responsible electronic waste disposal. This abstract represents the purpose, functionality, and the methodologies involved in the development and deployment of the platform

**Keywords:** convolutional neural network, e-waste, image classification, machine learning, waste separation