

# PROJECT DEFINITION DOCUMENT

1. **Name of the project:** E-waste-management
2. **Domain of the project:** Environment Protection
3. **Description of the project:**

Electronic waste is the major growing concern of the world. Emergence of newer technologies and exponential growth of electronic usage leads to major accumulation of e-waste. There is need of an application easily accessible to individual and organization for efficient e-waste management in the form of recycle, reuse and refurbish. Hence, we choose e-waste management as our project.

The focus of our project e-waste management is to develop such a system that can be used to properly collect e-waste, recover and recycle material by safe methods, sell and buy electronic waste, dispose of e-waste by suitable techniques, and raise awareness of the impact of e-waste.

## 4. Scope of the project:

We are primarily trying to achieve following things:

- Collect e-waste from people or organizations
- Analyze whether e-waste can be recycled, refurbished or resale.
- Recycle the e-waste
- Resell the parts and products to the required organizations who want to recycle the products on their own (for example: Apple company recycles its own products).
- Enable people or organization to buy recycled products and sell old products.
- Analysis of the amount of natural resources recycled by the reports generated at each level of the system.
- Achieve maximum reusability by having an interaction between different networks (e.g.: countries like US, India, China, Singapore etc.) in an ecosystem.

## 5. Conclusion:

Our application would be of great use providing an interactive interface to the user; showcasing lifecycle of e-waste management. Reusing natural resources and reducing the use of toxic components by recycling electronic goods leads us to environmental protection. Thus, tackling e-waste management; one of the most major concerns of society.