K.R. MANGALAM UNIVERSITY

THE COMPLETE WORLD OF EDUCATION

E-WASTE MANAGEMENT

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What is E-Waste Management?

Discarded electronic devices that are no longer usable, including computers, phones, TVs, appliances, and even small electronics like batteries.

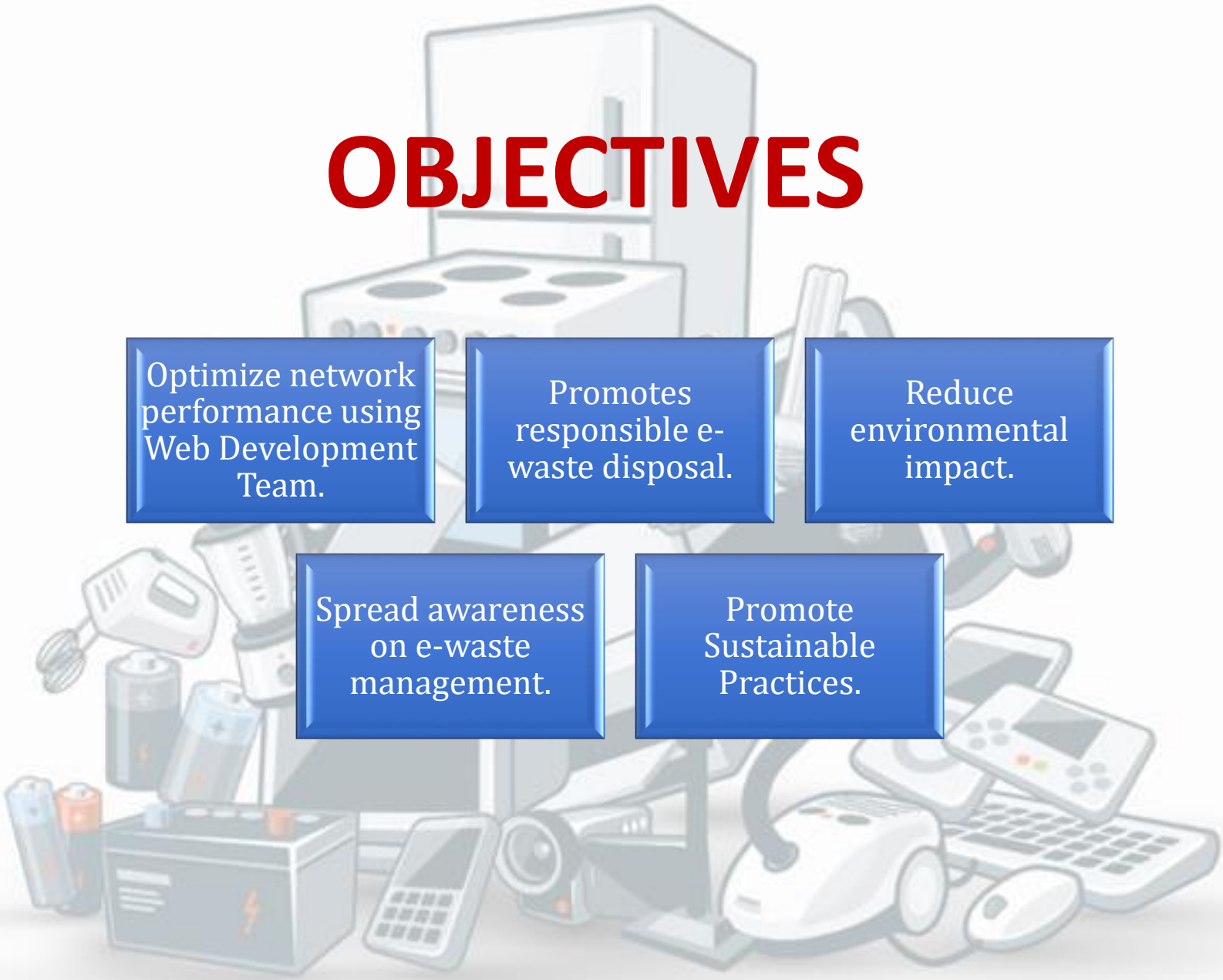
Importance of addressing E-Waste

Environmental impact	*Improper disposal can contaminate soil and water with toxic chemicals present in electronics.*
Health concerns	*Exposure to toxic materials from e-waste can lead to health issues like respiratory problems and developmental issues.*
Resource depletion	*Recycling e-waste helps conserve valuable resources like metals used in electronic manufacturing.*

Key problems associated with e-waste:

Rapid generation	*The rapid pace of technological advancements leads to frequent replacement of electronic devices, generating large volumes of e-waste.*
Informal recycling	*In many regions, e-waste is often handled by informal sectors using unsafe methods that release harmful pollutants.*
Lack of awareness	*Many people are unaware of the proper disposal methods for e-waste, leading to improper disposal practices.*

OBJECTIVES



- Optimize network performance using Web Development Team.
- Promotes responsible e-waste disposal.
- Reduce environmental impact.
- Spread awareness on e-waste management.
- Promote Sustainable Practices.

Problem Statement

- The growing use of electronics leads to increased e-waste. Many people lack proper disposal methods. Toxic materials in e-waste pose health and environmental risk. A structure system for collection, recycle, and awareness is necessary.
- Our website now offers a repair option, allowing you to fix your product instead of selling it at a low price due to minor damage. This help you save money and keep your product. Our app provides step-by-step repair guidance , a unique feature not available in any other buy-and-sell platform.

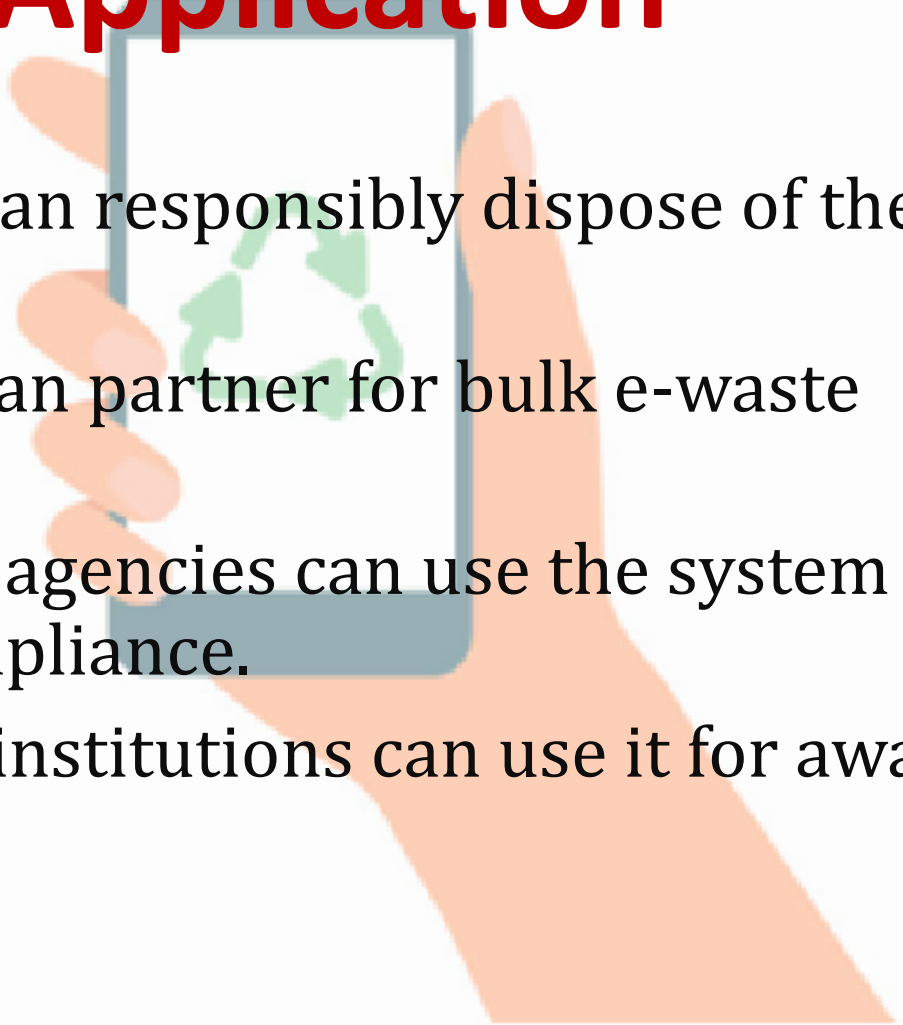
METHODOLOGY

1. User submit e-waste recycle rates .
2. Scheduling of pickups or drops-offs.
3. Categorization of waste (electronics, batteries, appliances).
4. Collaboration with certified recyclers.
5. Awareness campaigns for responsible disposal.

EXPECTED OUTCOME

- Increased e-waste recycling rate .
- Reduction in environmental pollution .
- Enhanced user awareness about responsible disposal.
- Compliance with e-waste regulations.
- Job Creation ,collaboration with recycling centers can create employment opportunities in collection , repair, and recycling sector.

Application



1. Individuals can responsibly dispose of their e-waste .
2. Businesses can partner for bulk e-waste recycling.
3. Government agencies can use the system for regulatory compliance.
4. Educational institutions can use it for awareness programs

Challenges and Limitation

- Lack of user awareness about e-waste disposal.
- Logistics and transportation challenges.
- Limited access to certified recycles in some regions.
- Compliance with evolving environment regulation.

Conclusion

Proper e-waste management is essential for a sustainable future . This platform aims to bridge the gap between users and recycles , ensuring eco-friendly disposal.

References

LinkedIn
https://www.linkedin.com

QUESTION and ANSWERS

Feel free to ask any questions regarding e-waste management and our proposed system .