E-WASTE MANAGEMENT

What is E-Waste?

E-Waste is just scrap material and parts salvaged from electronics or commercial products. Some of these things can actually be reused or turned into an awesome art.

Effects on Environment & Human Health

Disposal of e-wastes is a particular problem faced in many regions across the globe. Computer wastes that are landfilled produces contaminated leachates which eventually pollute the groundwater. Acids and sludge obtained from melting computer chips, if disposed on the ground causes acidification of soil. For example, Hong Kong a thriving area of illegal e-waste recycling is facing acute water shortages due to the contamination of the water resources

Context

KBN College has 300 computers with good configuration to support present educational needs. Before 2017 – 2018 academic year the disposed computers are sold out to electrical e-waste vendors but from 2017-2018 academic year the dept. of computer science started recycling disposed computers into e-crafts. These e-crafts are not for sale but these are used for different purposes in the college

- ❖ Prepared e-crafts are exhibited and some of them are distributed to school children of AMBAPURAM village to encourage them to learn computers

- ❖ Articles like pen stands are distributed to all the depts. of college

- ❖ Old monitors and CPUs are used as houses for sparrows and other birds

- ❖ Remaining scrap is used for hands on training for students of Hardware and Networking

- ❖ All the parts of the computers are exhibited on Intel Foundation day and knowledge is given to nearby schools about history of computer and functioning of computer parts

Use of E-Waste Management

Since e-waste is not biodegradable, recycling E-Waste can save the earth

Letter E-Craft

Arranged unused CPUs into letters. **K B N** indicates our college name **KAKARAPARTI BAVANARAYANA COLLEGE.**

Making ROBOT

With mouses our students designed a small sample robot

Making Snow House

With broken white keys of keyboard our students made a snow house

Dress to Doll

With keyboard keys our students made a dress to a doll

Making chimes

With damaged DVDs our students made chimes