Best Practice 1:

Title of the practice: Best out of waste

Goal: Recycling of Electronic wastes(E-waste)

Context: Recycling of Electronic wastes(E-waste) to SAVE The Planet Earth from pollution. E-waste recycling is the reuse and reprocessing of electrical and electronic equipment of any type that has been discarded or regarded as obsolete. Recycling of e-waste is a growing trend and was initiated to protect human and environmental health mainly due to the widespread environmental pollution impacts of e-waste.

The E-wastes are converted into usable appliances or equipment.

Through various forums such as "Techno-Trix" Electronics project competition, Exhibitions and workshops the interested students identified the areas of recycling the electronics waste and then converting/ modifying these into user-friendly equipment.

Practice: Since 2012, the practice of Recycling of Electronic waste is being in force.

The projects are:

1. Discarded mobile chargers are converted into Night Bulbs
2. Home made LED Bulb
3. Best out of waste rechargeable emergency clock
4. Emergency charger with LED bulb
5. Unscrewing Gun
6. Portable Mobile charger

These Best out of waste "Products" are in households use.

Evidence: The activity was extended to various groups in the college.

The groups comprising of students, teaching and non-teaching staff executed this activity with enthusiasm.

This is a small contribution of ATSS CBSCA team towards making the Mother Earth Green.

Problems Encountered and Resources Required:

- Initially the idea generation took time. As the time elapsed, students took interest in vital ideas generation. Then efforts are taken to convert the ideas into beautiful outcomes.

- The required E-wastes were arranged by students. The competent persons who are experts for supporting the ideas of the students for Best out of E-waste are arranged. They guided the teams for bestoutcome of usable products.

Best Practice 2:

Title of the practice: Fire Disaster Management

Goal: Awareness and training to students, staff to save themselves/surroundings from Fire disasters.

Context: In day to day life Fire accidents may happen due to rapid industrialization, space constraints, climate change, and uneducated man power.

To prevent fire accidents, awareness is one of the best measures. Under **Student Development Cell** various fire safety awareness related training activities are organized.

Practice: Since 2016, Following activities are being organized.

1. Organizing seminar related to Fire Disaster Management.
2. Demonstration of usage of Fire Extinguishers.
3. Awareness about Fire hazards (Electrical/Chemical/Gas)
4. Organizing CRPF teams for hands on demonstration related to Fire hazards and safety measures.
5. Short films shows related to Fire accidents and their consequences.
6. Presentations by the competent persons.
7. Display of Fire Disaster Management instruction boards in college campus.
8. Safety week celebration.

Evidence: All the activities/sessions were very well received by fellow team members.

These sessions are very much useful in day to day life of every human being.

All the staff, students of ATSS CBSCA acquired awareness of Fire Disaster Management.

This is an effort made by **Student Development Cell of ATSS CBSCA** for building awareness in students for Fire Disaster Management. This enables the students to prevent fire accidents and take preventive/ required actions in emergency situation.

Problems Encountered and Resources Required:

- The competent persons related to fire disaster management were identified and arranged time to time for awareness and training.

- The Fire Extinguisher devices are installed at various locations in college campus.

ATSS COLLEGE

Best Practice 3:

1.Title of the practice: Project competition-Technotrix

2.Goal:

1. To encourage students to develop an electronic project.

2. To have brief knowledge on electronics projects and concepts.

3. To provide a platform to students to reuse a E-waste material for development of projects.

3.The context:

College runs two programs under science namely BSC(CS) and MSC(CS). In the curriculum they learn many concepts about electronics such as sensors, amplifiersdesigning. They also learn how to reuse E-waste material for developing innovative projects. Students feels it easy and interesting to get knowledge through practical approach. So, teachers use various innovative methods while teaching these concepts.

One of such idea was to conduct project competition -Technotrix where students will develop an electronics project.

4.The Practice:

TechnoTrix competition is conducted in following ways:

1.Notices re displayed that gives information about competition rules, date of registration.

2.Sudents are asked to register for their project in group of maximum 4.

3.On the day of competition students set up their project in electronics lab.

4.Judges visit all projects. Students demonstrate about projects in brief.

5.Students are also required to submit one page report about their project.

6.On the basic of judges remark and their records submitted winners are announced.

5.Evidenance of success:

This innovative activity provides a platform to students to explore their ideas to develop electronics project. The way students developed project was excellent. It helped students to have brief knowledge on electronics projects and concepts.It also provides a platform to students to reuse a E-waste material for development of projects. They felt motivated to participate in TechnoTrix of next year with more innovative ideas.

This is the evidence of its success.

6.Problems encountered,and resources required:

Number of students participated in competition were huge so we need to arrange more space.

After making that arrangement competition was conducted smoothly.

7.Resourses Required:

The resources required are:

1.Place for setting project

2.Judges to evaluate projects.

3.Electronics subject teacher to evaluate project report.