Smart Solution for Eco Pollution

Varada, Vinay Kumar (School: BGK ZPH School)
Nalla, Mohan Durga Manikanta (School: BGK ZPH School)

Every year millions of saplings were sold in India by the nurseries. Although the saplings contribute to environmental conservation, the black plastic bags in which these saplings grow causes a threat to human and animal life. So we found a simple eco-friendly solution to replace these plastic bags with our eco-friendly flower pot. For the preparation of the pot we use natural materials like groundnut husk, neem leaves, fenugreek seeds, coconut coir. To test the durability of the pot we gave the pots to the nurseries and our neighbors. Based on their response and our observation we discovered that the pot would last for more than 10 months .After testing the pot durability under rain, we painted the pot with the natural paints available in our area to prevent it from getting wet and damaged. Before planting the saplings, we tested the NPK of the soil and did the soil analysis. After planting the saplings along with the pot, the pot got decomposed within one month. Further testing the soil, the report showed that there is no growth of harmful bacteria and soil reaches its ideal NPK value. Our observations and reports showed that our pot is not only used to replace the polythene bags but also useful for increasing the fertility of the soil and plant growth.

Awards Won:
Fourth Award of $500