

ROYAL COLLEGE OF EDUCATION AND RESEARCH FOR WOMEN

REPORT ON EDUCATIONAL VISIT

NAME OF THE PROGRAM: RECYCLING AND COMPOUNDING EXPO.

DATE: 11TH SEPTEMBER 2025.

VENUE: BOMBAY EXHIBITION CENTRE, NESCO, GOREGAON, MUMBAI.

TIME: 10 am – 12 pm.

NUMBER OF PARTICIPANTS: 8

CO-ORDINATOR: DR. JASVANTI ADHANGALE.

OBJECTIVES:

- To explore the exhibition.
- To understand how dry waste materials get recycled.
- To understand what kind of objects can be prepared by recycling.

REFLECTION:

On 11th September 2025, B.Ed students of the Royal College of Education and Research for Women actively participated in an educational visit to Recycling and Compounding Expo, NESCO. The exhibition was organized by **Polymerupdate** and **AMI**. Polymerupdate is an Indian company that specializes in the petrochemical industry, and AMI is a UK-based organization known for its international plastics and rubber events. Their partnership brings global expertise and events to the Indian market to foster growth in the recycling and compounding sectors. The duration of the exhibition was from 10th September (10am-6pm) - 11th September (10am-5pm). The main purpose and booths at the exhibition was single use plastics and thermocol recycling and its process. We got to know that various companies recycle plastic in a specific way. The process of plastic recycling goes like:- first the plastic bottles or wrappers are shredded into small flakes, these flakes are later categorized according to their colours (transparent, light colours and dark colours) and then converted into granules that are then used to make new products with the help of machines. There were a lot of machines displayed by companies, ranging from lakhs to crores. The display that stood out the most was a figurine of a tap with plastic bottles acting like water flowing from it.

MOST INTERESTING BOOTHS:

There were a few interactive booths in the exhibition but the most innovative booths were the following:

BOOTH NO. 102- MISSION GREEN BY SUBHOJIT MUKHERJEE.

This booth displayed seed capsules that were sustainable for the environment. The capsules contained a seed from BELPHAL and some fertilizers.



BOOTH NO. 600- SUPREME PETROCHEM LTD.

This company recycles thermocol and converts them into big chunks or blocks which are later turned into photo frames, chairs, tables, etc.



LEARNING OUTCOMES AND OBSERVATIONS:

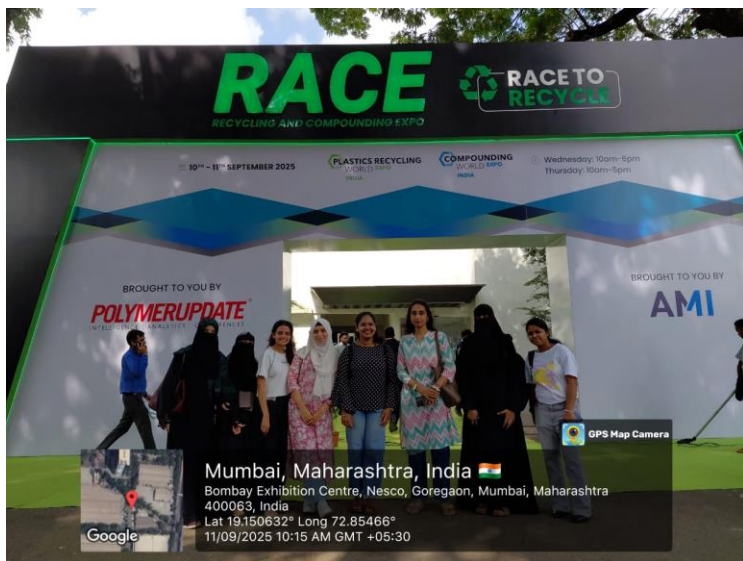
Here are some of the key learning outcomes of the educational visit to RACE:

- We learnt about the process of how dry waste materials, mainly plastic and thermocol, are recycled.

- We learnt that recycled plastic can be turned into various useful objects such as pens, chairs, tables and even t-shirts.
- We learnt that through technological advancements even materials like thermocol can be recycled and turned to useful wares such as photo frames, tables, chairs, etc.
- We observed that most of these dry waste us collected manually and then sorted and recycled by machines based on their colours.
- We learnt that AMI have recycling plants in major cities of India like Mumbai, Surat, Punjab Bengaluru, etc and are expanding in more regions.

Over all, the visit was an inspiring one. It educated us on how things get recycled and their usefulness.

GLIMPSE OF THE VISIT:





Figurine made from plastic bottles