

ENVIRONMENT AND SUSTAINABILITY COMMITTEE

Garden Committee

Garden committee, University of Delhi had gifted many ornamental and medicinal plants to Shivaji College, which were successfully planted uniformly near the Jijabai Academic Block. This plantation drive was initiated by Prof. Virender Bhardwaj, Principal, Shivaji College. This year, a lot of emphasis was given to develop and uplift the areas near and around the computer labs.

Ashoka and Golden palms have been planted in that newly developed garden. New plants and trees were added to the existing flora.

Herbal Garden

Shivaji College has a lush green herbal garden in the premises. It has approximately 62 different species of medicinal plants, provides a healthful ambience in the college and also helps in balancing the ecosystem of the surrounding area. We, the members of Garden Committee try to popularize the usefulness of commonly available and frequently used medicinal plants among the students and

teachers and sensitize about our traditional knowledge. We impart this knowledge theoretically and practically to our students. We also create awareness regarding environment conservation. Each and every plant has a placard bearing its common name, binomial name, family and uses. We also aim to increase the number of plant species.

Bio-Composting Unit

The college has a State of the art Bio-composting unit (located near RO Plant) with a total installed capacity of 50 kg/day. Horticultural waste generated in the college premises is used as a raw material for making compost, which is used as a soil amendment in gardens and flower pots. Around 340 kg of high quality compost prepared using bio-composting unit was handed to the college on March 21, 2024.

Canteen waste Compost Bins

The college has installed two canteen waste compost bins that convert purifiable canteen/foodwaste into compost. This unit has been installed in December 2023.

Eco-Club

Shivaji College has organised a visit to Yamuna Biodiversity Park to observe World Wetland Day as an awareness program to understand local flora and fauna, and to study diverse ecosystems. A total of 45 students and three faculty members, namely Prof. Vijay Kumar, Dr. Ashwani Sharma and Dr. Priyanka Ojha participated in the visit to Yamuna biodiversity Park on February 2, 2024.

Vermicomposting Unit

The college has a vermicomposting unit that uses special red-worms to convert biodegradable horticultural waste into high value compost. Around 750 kg of high-quality compost was handed over to the college during 2023-24.

Paper Recycling Unit

The college has a pilot-scale paper recycling unit (PRU). The mini paper recycling plant is an appropriate system for turning wastepaper into paper that can be used for all purposes. The paper

recycling plant is an effective technology which is simpler to use by the students for turning wastepaper into reusable paper products like folders, penholders, material for display board, envelopes, lampshades etc. Paper recycling is a process in which wastepaper is reprocessed for reuse by

making variety of paper products such as handmade sheets, folders, envelopes, bookmarks etc.

Solar panels

Rooftop solar panels of 75 kwp capacity have been operational since February, 2017 at 3 locations - Library, LTR rooms and auditorium rooftops. Approx. 300 units per day generated from solar plant. Net meter has been installed to record readings of incoming and outgoing electricity.