



ANNUAL REPORT 2024 - 2025
DESIGN INNOVATION CENTRE
Lady Irwin College, SPOKE DICDU



Coordinator: Prof. Sushma Goel

Year of Establishment: 2019

Design Innovation Centre (DIC) has been established under National Initiative for Design Innovation (NIDI) Scheme as a flagship programme by MHRD. It is a platform for product or process innovations for students, faculty and citizens to give ideas that can be developed as products/ processes.

1.1 INCUBATION PROJECTS

1.1.1 Biophilic Design Modules for Interiors

April 2024 - Ongoing

Ms. Ayushi Verma, Mentor: Prof. Sushma Goel

The objective of the Biophilic Design incubation project is to enrich the horizontal and vertical surfaces of residential spaces on the theme of 'Biophilia'. The project aims to connect human beings with nature in their built environment to improve their efficiency and general well-being of the occupants.

1.1.2 BE Bio-Enzyme: An Ecofriendly Cleaner

April 2024 - Ongoing

Ms. Pallavi Dheer, Mentors: Prof. Sushma Goel, Prof. T.G. Rupa

BE Bio-Enzyme Ecofriendly Cleaner is dedicated to creating sustainable, natural cleaning solutions. BE Bio-Enzyme products harness the power of nature to provide effective, eco-friendly cleaning alternatives that are safe for home and the environment. The project strives to reduce chemical ingredients used in commercial products (that pollute the land and water streams) and promote a healthier, greener eco-system. The incubation project is in its finalization stage. It aims to convert this product into a startup venture.

1.1.3 Nesara: The Board Game

April 2024 – Ongoing

Ms. Samriddhi Gupta, Mentor: Prof. Sushma Goel

The incubation project i.e., the game board project is an attempt to bring Indian traditional values and cultural practices concerned with preserving nature. It is in hybrid format, i.e, as a digital application for young minds and a physical board game collapsible table that could be connected with the game app for a hybrid mode.

1.1.4 Ludo Math Blitz

April 2024 - Ongoing

Kirti, Mentor: Prof. Sushma Goel

Ludo Math Blitz is an educational board game that combines the fun of Ludo with a twist of math. It features a classic Ludo board with an added math die. Rolling this die challenges players to add, subtract, multiply, and divide, making the game both fun and educational. Ludo Math Blitz is perfect for families with children of all ages, as the difficulty can be adjusted to suit the players' skill levels. The game is also made with eco-friendly materials, making it a great choice for environmentally conscious consumers.

1.1.5 Magnetic Fishing Set

April 2024 - Ongoing

Kirti, Mentor: Prof. Sushma Goel

The Catch of the Day Magnetic Fishing Set is a fun and educational toy for toddlers and preschoolers. The set is made from sustainable wood and includes a variety of colorful magnetic sea creatures. Children can use the included fishing rod to catch the sea creatures, helping them to develop fine motor skills, hand-eye coordination, shape and color recognition, and counting skills. The set also encourages imaginative play, making it a great way to keep children entertained and engaged.

1.1.6 Whimsical Wooden Labyrinth

April 2024 - Ongoing

Kirti, Mentor: Prof. Sushma Goel

The Whimsical Wooden Labyrinth is a charming, handcrafted toy that is more than just a maze. It's designed to help toddlers and preschoolers develop essential skills such as fine motor skills, problem-solving skills, balance and coordination, visual tracking, concentration, and persistence. The labyrinth is made from high-quality, sustainable wood and features a colourful path that winds and turns. Children will love exploring the labyrinth and guiding the ball through the maze.

1.2 COURSES

1.2.1 Leaf Plate Creating Course

- The ongoing Leaf Plate Creating Course is an innovative course that aims to promote eco-friendly cutlery solutions while fostering creativity and sustainability.
- Its primary objectives include educating participants the art of crafting biodegradable leaf plates, encouraging environmentally conscious practices, and providing hands-on experience in plate design.



Machkan Tree



Machkan Leaves



Machkan Leaf Plates

- The Leaf Plate Creating Course, which commenced on 10th April, is a comprehensive six-hour program designed to equip participants with the skills necessary to craft biodegradable leaf plates. The course structure includes a one-hour training session focused on mastering leaf-plate designing techniques, followed by a total of five hours of hands-on practical sessions.
- The inauguration ceremony featured a keynote address on the importance of sustainable living, followed by a demonstration of leaf plate crafting techniques.



Leaf-plate making workshop: Experts empowering students with eco-friendly design skills

- Experienced mentors Prof. Sushma Goel, Prof. T.G. Rupa, Ms. Ayushi & Ms. Pallavi Dheer are guiding participants throughout the course. Participants are learning to transform natural materials into functional & aesthetically pleasing plates. This Course continues to successfully embrace sustainability while exploring nature.