



GURU NANAK COLLEGE (AUTONOMOUS)

Affiliated to University of Madras

Re-accredited at 'A++' Grade by NAAC & An ISO 9001:2015 Certified Institution

Guru Nanak Salai, Velachery, Chennai – 600 042

GURU NANAK CENTRE FOR INNOVATION INCUBATION ENTREPRENEURSHIP & STARTUPS

Guru Nanak Institution's Innovation Council

REPORT OF THE EVENT

Event Title	:	Hands on Training on Preparation of Dye from Natural Resources and Fabric Dyeing
Event Date	:	9th – 14th February, 2023
Event Mode	:	Offline
Number of Participant	:	10

The Guru Nanak Centre for Innovation Incubation Entrepreneurship & Startups (GNCIIES) of Guru Nanak College (Autonomous), Guru Nanak Salai, Velachery, Chennai conducted a Hands on Training on Preparation of Dye from Natural Resources and Fabric Dyeing from 09.02.2023 to 14.02.2023 to give a chance to students to develop their business skills. Dr. Sagarika Devi, Scientist, G.S. Gill Research Institute was the Resource Person for the Five Day Hands on Training. On Day – 1, she explained about the various plant and mushroom based dye extraction process. She also highlighted the methods of the dye extraction. She clearly explained the difference between the pigment and dye compound. On Day-2 the participants were made to extract the colour pigments from paper flower, blue butter pea flower, henna. The students were also demonstrated about effect of change of pH upon the extracted pigments and produced different colours. The students were made to paint cards with starch based water colours, which were prepared with the colours. On Day-3, the colours were extracted in large scale with purple cabbage, henna, annatto, butter pea flower. These pigments were used to prepare both water based and oil based paints. Students learnt to prepare cards with these prepared paints. On Day-4, the pigments alone were extracted and the cotton cloth was dyed. The students were taught to make the different patterns by using tie and dye method. The students also made handmade cards for the delegates from Veer Bahadur Purvanchal University and the students displayed their products: pigments extracted from plants, prepared water soluble and oil paint and the dyed cloth material during the delegate visit.