

EDUCATIONAL TRIP TO 'TETHY'S AQUA FARM' LOCATED IN SADHPURA VILLAGE, FARIDABAD ON 4TH SEPTEMBER 2023.

Bioscience Deptt of K.L. Mehta Dayanand College for Women, Faridabad organized an educational trip to 'Tethy's Aqua Farm' located in Sadhpura Village, Faridabad on 4th September 2023.

The educational trip to the fish farming facility was an enlightening and informative experience for all the students. The main objective of the trip was to provide students with practical insights into the world of fish farming and its significance in sustainable agriculture and food production.

On our arrival at the fish farming facility, we were warmly welcomed by the staff and the farm owner, Mr. Alok Mehta. He gave us a brief overview of the facility and its objectives. Our first stop was the fish pond, where we learnt about various fish farming techniques. Mr. Mehta explained the importance of water quality, temperature, and oxygen levels in maintaining a healthy environment for the fish. We observed different species of fish, Indian Major Carps-Catla catla, Labeo rohita(Rohu), Cirrhina mrigala & Grass carps etc and saw how they were fed and monitored.

During the tour, we gained insights into sustainable aquaculture practices. Also, we saw tank farming, where the inflow and outflow of the water was controlled & the whole drainage system was underground. Students also observed different developmental stages of Catfish, *Mystus Singhala*.

Students came to know about the job creations, income generation & role of fish farming in food security. If a woman owns a fish farm, she gets subsidy from the government. This helps the women to come forward and become great entrepreneur.

The educational trip to the fish farming facility was a valuable experience that provided us with a deeper understanding of fish farming practices, sustainability, and its broader implications. It emphasized the importance of responsible aquaculture in meeting the growing global demand for seafood while minimizing environmental impact.

Principal Dr. Manju Dua appreciated the initiative & encouraged students to learn field experiences.

The educational trip was organised under the able guidance of Dr Sheel Singh, Dr. Shveta Arya & Ms Benu Mehta.

Overall, the visit was a success and we returned with a greater appreciation for the complexities and importance of fish farming in today's world.



VISIT TO DUCAT, IT TRAINING SCHOOL IN NEW DELHI

On March 12, 2024, the Department of Computer Science, guided by our revered Principal Dr. Manju Dua and by Dr. Neha Jain, Head of Department of Computer Science, organized an educational excursion for Final and Second-year B.C.A. students, accompanied by faculty members Ms. Rupinder Kaur and Ms. Vishakha Garg. The purpose of the trip was to provide students with firsthand exposure to the real-world industry environment. The group embarked on a visit to Ducat, IT Training School in New Delhi, aiming to familiarize students with practical aspects of the industry. The guidance of Principal Dr. Manju Dua highlighted the institution's commitment to nurturing holistic student growth.

During the visit, students engaged in learning sessions focused on "Data Analytics with AI," facilitated by industrial experts. Through interactive workshops and guided tutorials, students gained insights into the application of data analytics in real-world scenarios. The immersive experience offered students a first-hand understanding of industry practices, providing invaluable experiential knowledge.

The educational trip to Ducat, IT Training School proved to be a rewarding experience for the Department of Computer Science students. The guidance of Dr. Manju Dua Ma'am and Dr. Neha Jain Mam, coupled with the expertise of faculty members and industrial professionals, contributed to enriching the learning journey of the students. This initiative reflects the institution's commitment to preparing students for the challenges of the dynamic IT industry.

We extend our gratitude to Ms. Rupinder Kaur and Ms. Vishakha, for their support and effort of taking students for industrial exposure. Special thanks to Ducat, IT Training School, for hosting us and providing an enriching learning experience. This educational endeavour has empowered our students with valuable insights and practical skills, enhancing their readiness for future professional endeavours.



THE DEPARTMENT OF HOME SCIENCE ORGANISED EDUCATIONAL TRIP ON 26TH SEPTEMBER 2023

The Department of Home Science organised educational trip on 26th September 2023 for final year students under the syllabus demand of Clothing & Textile and Community Nutrition.

The Day began with the visit in the Gurudwara Sri Bangla Sahib ,New Delhi. Here students were acquainted with community kitchen, its management in terms of ration room , food preparation, food distribution during langar as well purity, hygiene and cleanliness was also

observed while making of the langar in the kitchen. To make the day more divine all the girls participated in preparing the langar and tasted the food as "Prasada". Here the students also viewed the water of the sarovar with miraculous power. And then finally proceeded towards National Cottage Emporium, Janpath.

Here we all viewed the handcrafted Indian textile fabrics like Silk Saree , Cotton Sarees, Brocades, Zari work in sarees, Patchwork , applique various types of embroideries , Pashmina Shawls, Gota Patti work , Ajrak prints , types of block prints , various categories of sarees such as baluchari, banarasi , chanderi , Ikkat work and Many more. Here our students not only learnt about hand crafted fabrics but also about priceless beauty and maestro artistic of India. We also viewed so many dainty and elegant handcrafted furnitures, paintings , sculptures, jewelleryes and many more.

The complete day was well coordinated by Ms.Benu Mehta and Ms.Priyanka Pawar. Nearly 11 girls participated in the educational trip. And we deeply thank our Principal Ma'am , Dr. Manju Dua for giving consent for the visit and made this educational trip very descriptive and effective for our [students](#). Ms. Archna Dua, HOD motivated & helped us plan the trip.



Educational Visit to Manav Rachna International University

On 17th February 2024, K. L. Mehta Dayanand College For Women, Faridabad organized an enriching educational trip for 50 students from Department of Science (**B.Sc.** Medical, Non-Medical, Biotechnology & **M.Sc.** Chemistry) along with 2 faculty members to participate in one day workshop on “Advanced Instrumentation And Sustainable Waste Management Techniques” in University Instrumentation Center and School of Sciences, Manav Rachna University, Faridabad.

The aim of the workshop was utilization of advanced instrumentation techniques for monitoring and analytical applications and demonstration of waste management through anaerobic digestion process.

The workshop covered the demonstration of following advanced sophisticated instruments. RF- Magnetron sputtering unit, which is used in fabrication of Nano-structured thin films and coatings, preparation of Li and Na electrodes & solar cell devices and deposition of multi layers for magnetic tunnel junctions.

Solar stimulator for Si based solar cell, Perovskite solar cell and other Photo-voltaic devices. X-ray diffraction (XRD), used in determination of molecular structure, Nano-materials phase identification, battery materials phase study, Phase analysis of poly-crystalline materials. GC-MS which is used to separate the volatile and thermally stable substitutes in a sample, food, beverage, flavor analysis, pesticides identification, medicine application, research on Nano-material and clinical application.

UV-visible spectrophotometer for cosmetic industry, petro-chemistry, pharmaceutical research, food and agriculture, material science, microbiology, color measurement, solid sample measurement, traditional chemistry and life sciences.

FTIR with ATR demonstration which is used in quality verification of incoming/outgoing material, analysis of thin film coating, monitoring of automotive or smokestack emission and microanalysis of small sections of materials to identify contaminants.

This workshop also provided an overview of the primary and secondary treatment stage of sewage treatment plant (STP) and production of bio gas.

The students gained the knowledge about the principles and basics of different instruments and their potential use in research problems. E-certificates were also provided to the registered students.

We are thankful to our esteemed Principal Dr Manju Dua, for her unwavering support and facilitating this educational trip for students to participate in this one day workshop.

Dr Meenu Dua and Dr Beena Sethi also encouraged & motivated the students for the registration and participation in the workshop.



Educational Visit to Regional Centre for Biotechnology, Faridabad

On February 28, 2024, K.L Mehta Dayanand College for Women organised an enriching educational trip for 30 students from Department of science along with 2 faculty members, Ms. Renu Pandey and Dr. Jyoti Kapil, to participate in Debate competition on the topic "Artificial Intelligence is a boon or a bane for scientific purpose " held at Regional Centre for Biotechnology (RCB) on the occasion of National Science Day Celebration 2024.

The main aim of Science Day celebration was to showcase a dynamic exchange of ideas, arguments, and insights on various aspects of Viksit Bharat. The centre has invited all the students to visit their laboratories equipped with the advanced instruments. Research Scientists and scholars highlighted the crucial role of advanced instrumentation in enabling scientific discovery and innovation.

Three teams of Six students from B.Sc.Biotech final year participated in debate competition. Our college team, Himanshi and khushi bagged the second position amongst twelve competitors. Dr. Meenu Dua, Head-Department of science appreciated the efforts made by the students and played a pivotal role in ensuring the success of our visit to the Regional Centre for Biotechnology.

We are very thankful to our esteemed principal Dr. Manju Dua, for her unwavering support and facilitating this educational trip for the students.

