

Report on
Boot Camp on “Innovations in Science”
organized by the Innovation Cell, MIDFT
under the Student Start-up and Innovation Policy (SSIP 2.0), Govt. of Gujarat.

The boot camp on “Innovations in Science” was organised from 11th -13 Jan, 2024 with the aim of sensitising the students of the MRC Sagar Sainik School, Mehsana towards the concept of innovation and creative thinking, need for innovation and the innovations in different fields of science. The total students who participated in the camp were 56.

Day 1

Innovative thinking is a creative thought process used to generate ideas and solutions. How these ideas can be used to develop different innovative food products was discussed with the students of Sagar Sainik School on the first day by Dr. Sheweta Mudgil, SSIP Co-ordinator, MIDFT, Mehsana, wherein the students were introduced to the concept of innovation and innovative food products. During the session the students were also sensitised about the adulteration of food products and different test were conducted by the students to check the adulteration in different food products.



Day 2

On, the second day of the camp, there were three sessions. Mr. Himanshu Patel, Assistant Professor, MIDFT, Mehsana took a session on “Build your dream” wherein the students were sensitised about the innovations in engineering and students also build the new generation paper aeroplane models.



In the second session, Dr. Ami Patel, SSIP Co-ordinator, MIDFT introduced the students to the microbial world and students saw the different micro-organisms under the microscope. They were also sensitised towards the importance of maintenance of personal hygiene for a healthy mind and body.



Thereafter, Dr. Ankit Goyal, Assistant Professor, MIDFT discussed with the students about the innovations in Chemistry in the third session for the day. Also the students were shown how the chemical reactions occur and also they saw how chemicals react to form the so called “Elephant Tooth Paste”.



Day 3

In the first session, Dr. Deepak Mudgil, took a session on the innovations in dairy products. The students got hands on training to prepare paneer. He also discussed how new innovations can be made in the field of manufacturing dairy products and utilizing different dairy waste by-products such as whey.



In the second session, Dr. D.A. Shukla, Principal & Dean, MIDFT sensitised the students regarding the “Innovations in Environmental Science”. He discussed different steps that one can take to conserve the environment. He also discussed the current issues related to sustainable development.



Thereafter, the students displayed the models that they had prepared. The students prepared model of Chandrayaan, 3D Hologram box screen working model. One group of students also showed how oil can be separated from water efficiently. The camp concluded with the valedictory session. The participation certificates were presented to all the students. Overall, the boot camp organised for the students was beneficial to the students and was able to sow the seed of innovation and creative thinking in their minds.

