

Report on INNOVATHON SUMMER BOOTCAMP 2023



L.D. COLLEGE OF ENGINEERING

presents

INNOVATHON 4.0

Summer boot camp 2023

Topics

- Make & Break: Innovative Toy Design
- Animation on scratch
- Mathemagic: Tricks & Techniques
- Playing with Drones
- IPR Model Exhibition



MAY
17



MAY
18



MAY
19

TIME :- 11:00AM TO 1:00PM

SCAN & REGISTER



"Free for all but registration is mandatory
on first come first serve basis"

Register: <https://forms.gle/1CEj4SQ6p2FdAWwf9>

“Aarambh” cell, the institute’s start-up and innovation cell, is the symbol of L. D. College of Engineering’s efforts and achievements to inculcate Start-up, Innovation and Entrepreneurship amongst students & faculty members. With the support from SSIP, LDCE, Ahmedabad has organized Innovathon – Summer Bootcamp 2019 for 8th to 10th std school students from 17th – 19th May 2023.

Gujarat has witnessed huge industrial growth in last decade and hence it is imperative need to have robust system to support student innovation. To facilitate and pre-incubate innovative ideas to go through a stage of proof of concept, prototype, product, testing & trial, redesign and development of utility, the student start up and innovation policy 2.0 of the state has been launched with a strong vision of Empowering the young population of the State to unlock their creative potential through Start-up and Innovation so as to enable them to contribute for sustainable development and inclusive growth towards the realization of Aatmanirbhar Gujarat.

Under the aegis of the aforementioned policy of Government of Gujarat, the institute has been selected as one of the beneficiary of the said policy and accordingly signed an MOU with central implementation nodal agency, Gujarat Knowledge Society in September, 2017 As part of the policy, LDCE’s responsibility will be to identify, support and encourage entrepreneurs and innovators in the campus, as well as provide them support for creating proof of concepts, patents, mentorship and guidance.

The institute under the leadership of Principal Dr. Rajul Gajjar, has put in tremendous efforts for inculcating innovations, entrepreneurship and start up amongst its students and faculty and that can be again proven by the successful organization of Innovathon – Summer Bootcamp 2023 for 1st to 10th std school students from 17th – 19th May 2023.

This was a 03 days program consisting of 03 expert sessions on each day along with visit of exhibition by Institute for Plasma Research (IPR), Gandhinagar. The sessions include the fun with learn activities related to maths, magic tricks, toy making which describes basic concepts principles of sciencelike, sound and pitch, newton’s third law, Concept of fly wheel, Solar system with demo of eclipse, Introduction to concepts of AR and VR, handheld demo of VR. The unique part of this program was that it enlightens students about latest technologies, designing a product, its product development, start-up, government funding activity and develop entrepreneurship and team work. Total 62 students of many schools including Kendriya Vidhyala, C N Vidhyalay, Udgam School, Kameshwar School, Tripada English School, Swaminarayan Dham International School.

Day 1:

The camp was started with the inauguration ceremony with the gracious presence of Chief Speakers, SSIP faculty and student team as well as faculty members of LDCE, Ahmedabad. Inauguration Program was held before starting the camp where Dr Manish Thakker, SSIP Coordinator gave motivational speech to the student and described the benefits of the exposure for attending such Bootcamps. Dr. Gautam Borisagar, Assistant Professor, IITRAM, Ahmedabad was invited for the session on “Magic, Science and Mathematics”. Dr Gautam started the session with magic tricks and discussed tricks behind the magic, students participated enthusiastically in the session. Later, part of the session started with story behind the mathematical derivations of the equation of the trigonometry. The session end with the distribution of light brunch to the participants.





Day 2:

On the second day, Mr. Niraj Patel, Founder – MakenBreak Spiel Pvt Ltd. has conducted the session. He crafts unique toys integrating and showcasing fundamental Principles of science. Mr Niraj started with the ‘Sound and Pitch’ concept by preparing flute from plastic straw. Then it continues with the concept of ‘Fly wheel’, ‘Newton’s Law’ etc. Unique car toy were designed by the participants showcasing ‘Newton’s Third Law’. A live demo model of lunar eclipse, how season changes, piggy bank with coin sorting mechanisms, toy demo of 3D printer, laser cut machine, CNC machine etc during the session.





Day 3:

The day started with the introduction of emerging technology i.e. 'Virtual Reality' and 'Augmented Reality' by Mr. Vivek Shah and team, Capermint Technologies, Ahmedabad. They also provide the hand on experience to the participants using VR lenses. Later the participants led to visit the exhibition of Institute for Plasma Research (IPR) in collaboration with NTD at LDCE.





The certificate of participation was distributed in the presence of the experts and LDCE SSIP team.



The final day of the Innovathon 2023 was ended by feedback and Valedictory function organized by SSIP team.