

# L.D. College of Engg., Ahmedabad

## Report on

### INNOVATHON SUMMER BOOTCAMP 2019

“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 8<sup>th</sup> to 10<sup>th</sup> std school students from 10<sup>th</sup> – 14<sup>th</sup> June, 2019.

L. D. College of Engineering, Ahmedabad  
and  
**Student Startup and Innovation Policy (SSIP)**  
Government of Gujarat  
organize

# Innovathon Summer Bootcamp 2019

Imagine... Build... Innovate... Invent...

10th June, 2019 to 14th June, 2019

*Fostering creative and entrepreneurial spirits of School Kids through games, interaction, ideation and hand-on exercises.*

*... its Open  
... its Free for all  
... First come, first serve basis*

Registration through:  
<https://forms.gle/BNrwVp4i4GK2kU3c8>

Eligibility: **Std. 8 to 12**

Venue: **Aryabhata Hall, L. D. College of Engineering, Ahmedabad**

Kindly contact: **Aarambh Cell, LDCE**  
Mobile: 9998968842 / 9725783170 | E-mail: ldcessip@gmail.com

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 of the state was launched vide Government of Gujarat Education Department Resolution No. PRC/2016/IPIES/DS/S/710197 Dated: 11th January, 2017 to help in building innovation and pre-incubation processes of the state higher education

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 and as per terms of MOU the institute received a first instalment of Rs. 20.00 lacs in October, 2017 for

promoting and encouraging student entrepreneurs and innovators. 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. G. P Vadodaria, 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 2019 for 8th to 10th std school students from 10th – 14th June, 2019.

This was a 5 days program consisting of 16 expert sessions, 2 COE (centre of excellence) visits and 2 start-up interactions. The expert sessions included Design thinking and group activity, basics of 3D printing, sketching and digital painting, 3D pen basics and model making, basics of electrical and electronics working, design solution to problem of future, introduction to AR and VR, basics of android, useful knowledge sharing apps for children etc. For COE visits students are taken to siemens and welding workshops. 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 42 students of many schools including Annand Niketan, Zydas, DPS, St. Kabir, Little Flower, Xaviers, Swastik, St. Anna, Sheth C.N., chippa welfare, TEFRR, etc participated in this program.

### **DAY – 1:**

The camp was started with the inauguration ceremony with the gracious presence of Principal Sir, Chief Guests, SSIP faculty and student team as well as faculty members of LDCE, Ahmedabad. Inauguration Program was held before starting the camp where principal of LDCE Dr. G.P. Vadodaria was present along with chief guest Mr. Harshal Trivedi. Harshal Trivedi is CEO at INNOVATA TECHNOLOGIES. He also gave motivational speech in which he mentions his days to describe benefits of this type of summer camp. He said that this type of summer camp guides the students to find their actual interest and select appropriate field for their career. He also said that engineering is all about logic and practical implementation of the maths and physics that children study during their school period. He took example of Mario game (old video game) to connect maths and practical engineering fundamentals.



The whole day was covered up in three sessions. Sessions 1 and 3 were delivered by Dr. R. G. Kapadia – Mechanical Department on Group formation, Ice Breaking Activity, Design Thinking & Innovation through AV and Generation of Ideas and Idea Pitching on Car Design, respectively. Session 2 was handled by Mr. Manan Bhatt from GIC on Demonstration of 3D printing technology.



## **DAY – 2:**

The first session of second day was coordinated by Prof. D. U. Panchal, Prof. Jayendra Vasani and Dr. Mrunal Chaudhary of Mechanical department by the very interesting topic of Car Model Making and Racing competition. The session was focused on fundamental of automobile engg. The theme was given to built the vehicle for agricultural application. Hands on practice session for preparing working model followed by car racing was there during the session. The learning outcomes of the session were team building, team work, design aspect, engineering problem solving, time management, market survey, ethics, accuracy in design, front wheel/rear wheel design, communication skill and more.



The second and third sessions were covered by Industry Experts Mr. Mehul Rathod and Mr. Hardik Patel on Introduction to Sketching and 3D PEN basics with Model Making, respectively.

### **DAY – 3:**

The third day was also covered up in three sessions in which first session was delivered jointly by Prof. M. R. Vasavada and Prof. M. G. Patel of Electrical department and Dr. N. A. Kotak of EC department on the theme Thinking out of Box, basics of Electrical and Electronic Workshop.



The second and third sessions were again covered by the Industry experts, Mr. Mehul Patel and Mr. Hardik Patel on Digital Painting/ Printed Electronics/ Conductive Glue and Model Making, respectively.

### **DAY – 4:**

The speakers for the fourth day of Innovathon 2019 were Dr. N. M. Bhatt, Dr. Mrunal Chaudhary and Prof. Dhaval Patel. The session was centred around SOIC introduction, AR VR model making and visit to CoE lab.



### **DAY – 5:**

On the last day of Bootcamp 2019, josh of all the participants was high. Computer and IT Department has hosted the sessions. Glimpse of activities are:

- Future Trends of Technologies and Significance in real world followed by QUIZ and small gifts.
- Demonstration: “What’s inside the CPU.”
- Hands on experience cum competition of assembling and disassembling of CPU.
- World of AR and VR is yet to be explored.



The session was conducted by Prof. Bakul Panchal, Prof. Hetal Joshiyara, Prof. M. K. Shah and Prof. Ankit Patel.

The final day of the Innovathon 2019 was ended by feedback and Valedictory function organized by SSIP team under the guidance of respected Principal Sir. Principal Sir and Guest of Honours have distributed the certificates of participation to school students and also felicitated the SSIP department coordinators and expert speakers with mementos.

