

About Trust

The historic journey started with a dream to achieve greatness when the two Gajera brothers arrived in Surat to earn their livelihood in 1972. There they started as diamond workers, sometimes working on the same machinery in conjunction. In a short span of 2-3 years, they were successful in establishing their line of business, which later grew and branched into various industries such as diamond, textiles and construction. With all these enterprises, they had achieved to make a name and a place for themselves in the community where they had come with nothing but the clothes they had when they left home.

Along with the different lines of businesses, the brothers also laid the foundation for Smt. Shantaben Haribhai Gajera Trust - a charitable organization in the memory of their late mother. The main focus of the organization was the welfare of the society that it was erected in, and it emphasized the creation of more and better schools and colleges, hospitals, and social work.

About Institute

Laxmi Institute of Technology, Sarigam is sited in an unprivileged area of Sarigam – Valsad district of Gujarat State, inherits more than a decade of rich experience of Smt. Shantaben Haribhai Gajera Charitable Trust and of global reputation. Laxmi Institute of Technology has been at the forefront in imparting the training to bridge the gap between institute and industry and working for the benefit of the society.

Laxmi Institute of Technology conducts UG programs of Mechanical, Electrical, Civil, Computer Science, Information Technology, Electronics and Communication Engineering and Diploma courses, enriched with renowned professionals, equipped with state-of-art technology for teaching learning process focusing to research. We have strengthened relation with IIT Mumbai for virtual lab and other MNCs. International exposure is on the way for faculty development program, project development program to place Laxmi Institute of Technology among the top ranked colleges.

About Gujarat Technological University

Gujarat Technological University is a premier academic & research institution which has driven new ways of thinking since its 2007 founding, established by the Government of Gujarat vide Gujarat Act NO. 20 of 2007. Today, GTU is an intellectual destination that draws inspired scholars to its campus, keeping GTU at the nexus of ideas that challenge and change the world. GTU is a State University with 486 affiliated colleges in its fold operating across the state of Gujarat through its Five zones at Ahmedabad, Gandhinagar, Vallabh Vidyanagar, Rajkot and Surat. The University caters to the fields of Engineering, Architecture, Management, Pharmacy and Computer Science. The University has about 4,00,000, students enrolled in a large number of Diploma, Under Graduate, Post Graduate programs along with the robust Doctoral program.

Objectives of GTU-CCE Course

- To give awareness of different application of drone
- To teach different types of drone
- To teach technology, features and components used for drone development
- To write a code to fly
- To give awareness about UAV reception and drone regulation

Outcomes of GTU-CCE Course

- Awareness on current and emerging Drone Technology for various applications
- Enhance the skill set and identify opportunities with Drone technology
- Design, Integrate, Calibrate and Testing of Drone prototype models
- Troubleshooting in Drone Technology
- Prototype demonstration and hands-on experience

Topics to be Covered

- Multirotor Vehicles - Introduction
- Understanding rotary-wing aircraft and their dynamics
- Design of the Structure
- Stability & Control of Drones
- UAV reception and Drone regulation
- Algorithm of the control systems
- Making of drone
- Practice of drone

Why Participants should join this Course...?

- 100% hands-on training.
- Certificate holder will have advantages to get placement in Automation/manufacturing/R&D department in various industry.
- Certificate will be given by GTU after successful completion of course.

Eligibility for Participation

- **Students:**
School students (std 10th to 12th)
Diploma Completed/ pursuing in any stream,
BE Completed/ pursuing in any stream
- **Academician**
- **Industry person**

Registration Details

Registration fees :

Rs. 3000/- Course Fees &

Rs. 5000/- Training Kit

*Training Kit is Compulsory

Registration link:

<https://bit.ly/DRONEATLAXMI>

Last Date for Registration : 20/07/2022

Course Commencing From: 25/07/2022

Duration: 30 Hours (Offline Mode)

Payment Details (offline mode)

Submit Registration form and fees to

Prof. Parikshit Patel

Head of Department Mechanical Engg.

Contact no: 9998965314

For any Query Contact:

Prof. Kevin Bhandari

Coordinator

Department of Mechanical Engg.

(7600020771)



Resource Person

Mr. Jaydeep Chavada
Founder,
Technostar Idea 2 Innovation,
Morbi- Gujarat

Course Duration

5 days (Total 30 hours)



Patron

Dr. Basavaraj Patil
BE, M.Tech, PhD (IIT-M)
Director LIT, Sarigam

Convenor

Prof. Amrat M. Patel
I/C Principal- LIT, Sarigam

Course Coordinator

Prof. Parikshit K Patel
Head of Department
Mechanical Engineering, Lit-Sarigam

Prof. Kevin Bhandari
Assistant Professor
Mechanical Engineering

GTU-CCE Coordinator

Prof. Mahesh Panchal
Assistant Professor, GTU-GSET



GUJARAT TECHNOLOGICAL UNIVERSITY
CENTRE FOR CONTINUING EDUCATION
(GTU-CCE) CERTIFIED



CERTIFICATE COURSE on **DRONE DEVELOPMENT**



Organized By

DEPARTMENT OF MECHANICAL ENGINEERING



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