

DESIGN LAB (SPONSORED BY GUJCOST)

DR. S & S GANDHY GOVERNMENT ENGINEERING COLLEGE SURAT



Science, Technology and Innovation were taken into consideration because the driving force of development with inside the twenty first century. In order to convey innovative, innovation and entrepreneurship ability and to orient the following era researchers, scientists and engineers, the Government of Gujarat has emphasized and recommended the funding with inside the information economy. In order to offer an allowing surroundings and surroundings for innovative mind and thoughts of younger college students, the Government of Gujarat has deliberate to set up the Design Labs, which might be the conceptualized bodily area in both of universities, faculties or studies establishments throughout the State. A Design Lab is a platform for the younger college students with innovative and modern thoughts. In the Design Lab, they are able to rework their concept right into a tangible form. Students and educational researcher with modern thoughts, can get benefited with such Design Labs, wherein they are able to effortlessly rework their innovative thoughts into deliverable form, as a minimum on a lab scale or pilot venture basis. Design Labs in Science, Engineering, and Technology disciplines paintings as a generator of highbrow residences like patents and business designs.

Objective

The goal of this program is to build a culture of innovation throughout the state by encouraging students and researchers to be creative and inventive. This will also give someone with a creative attitude the chance and a platform to work with tools and equipment to turn their idea into a product.

Design lab in Dr. S & S government engineering college Surat was started from Feb 2020.

Since the lab started students are taking advantage of equipment facilities provided by GUJCOST.

In Feb 2020 Regional level Hackathon three groups from this institute who had won prize utilize equipment from design lab.

Sensitization program for students 1

Webinar on Utility of Design Lab for research project and Start up is organized by Dr. S & S Gandhi government engineering college Surat on 3/10/2020

Key note Speaker of webinar Chintan Kherva explains how many types of instruments available with lab. He also explained very nicely how and where students can utilize the facilities provided by GUJCOST through design lab

Purpose of this webinar was to make aware of the facility of design lab available with our institute. Students of DGGECC Surat is among those lucky students who got the opportunity to have GUJCOST sponsored design lab for their project work.

More than 180 students from Pre final and final year students from all five branch civil, mechanical, electrical, electronics & telecommunication and environment and faculty members of institute had taken advantage of program



Dr. S. & S. S. Gandhi Government Engineering College, Surat
Organizing



Live webinar on Utility Of Design Lab For Research and Startup Projects

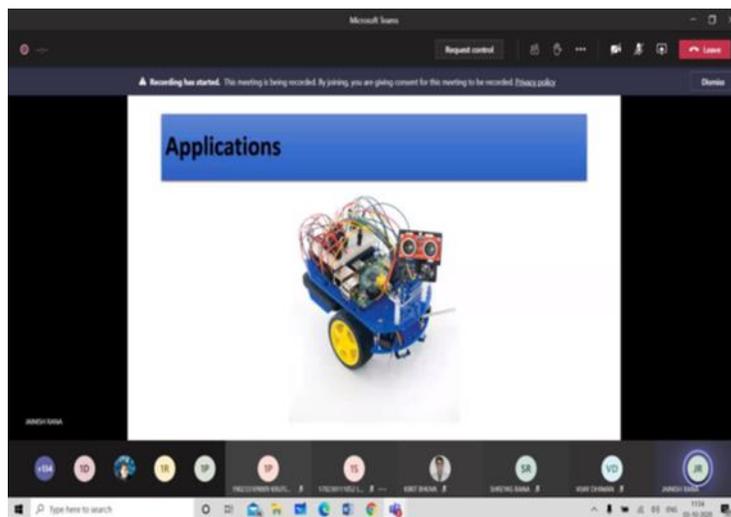
(Date: 03rd Oct'2020Time : 11:30 am To 1:30 pmPlate form : M S Team)

Speaker :
Shri Chintan Kharva
Application Eng.
Royal Electronics, A'bad

Patron:
Dr. V. D. Dhiman
Principal
DGGECC, Surat

Faculty Coordinator:
Prof . Darshani Shukla
Assistant Professor
DGGECC, Surat

Registration Link : <https://forms.gle/Yum5EAbAsMJhacYq5>



Advisory Board

Members of advisory board of GUJCOST design lab at Institute level

Dr. V.D. Dhiman (Principal Dr. S.S Gandhi Government Engineering College Surat)

1.Prof. J. J Patel (Associate Professor department of Electrical Engineering SVNIT Surat)

2.Mr. Mihir Raval (Proprietor NITECH Automation Surat)

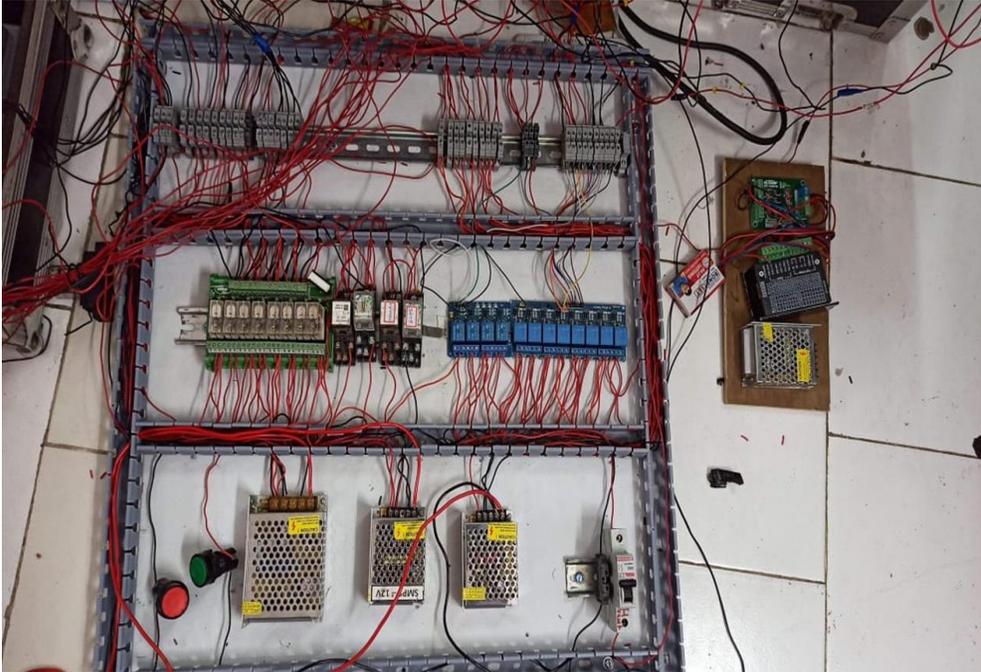
3.Mr. Heral Mehta (Alumina & Senior research fellow IIT Mumbai)

4. Ms. Darshni M. Shukla (Coordinator Design lab DGGECE Surat)

Details of Project participated & won in Hackathon

Title of project	Team members name	Enrolment No.	Component used	Prize won
Energy Measurement and Control	Chaudhari Reena Desai Arti Mundke Jagruti Parmar Sheryl Rupareliya Apexa	170230109007 170230109013 170230109035 170230109041 170230109052	Photosensor(5 nos) Arduino kit(1 no) Wifi router(1 no)	Qualified for next round which is scheduled in next month due to pandemic
Smart parking System	Baravaliya ankur Bhindi madhav-. Chauhan saurabh- Chodavadiya jenish- Gohil brijesh-. Makwana jayshil Meshiya harshal-. Vyas mitul-	1702301090012 1702301090043 1702301090104 1702301090115 1702301090226 1702301090327 1702301090348 170230109062	1.Position sensor (MOC 7811 sensor) 2. Ir sensor 3. D1 Mini(wi-fi MODULE) 4. TP-LINK Single channel Router 5. Arduino UNO	Qualified for next round which is scheduled in next month due to pandemic
Feasibility n re-use of RO-reject Water for industrial purpose	Sumit Chothani Darsh brahmbhatt Dhaval maniya Mayur hingu	170230113009 170230113005 170230113024 1702301130	1. Pressure sensor, 2.temperature sensor, 3. Humidity sensor, 4.Level sensor	Qualified for next round which is scheduled in next month due to pandemic

Energy Measurement and Control





Sensitization program for students 2

On date 4th September '2021, our institute has planned to have webinar on “Recent Innovations in the field of Electrical and Electronics “ under GUJCOST and SSIP for providing latest information of various innovation in the field of electrical and electronics for upgrading their knowledge and helpful for implementing new start up . Mr Akash Lukhi, owner and cofounder of ACDC tech was invited as an expert for this innovative conversation. More than 160 students from nearby regions of electronics and electrical department had taken advantage of this webinar and make the event successful. Prof V D Dhiman (Principal , DGGECSurat) , Prof B J Panchal (Asso. Professor , AMD , DGGECSurat) Prof D M Shukla (Assistant prof, Electrical department , DGGECSurat) Prof D J Mehta (Assistant prof , Civil department) contributes their successful guidance and coordination for making this event really effective.

Such kind of event with innovative ideas are very effective and informative as per vocal feedback by students given during webinar and urge to more and more such kind of event conduction for enhancement of their knowledge and courage.

Some pics of event

