



COMPUTRIX

The best way to predict the future is
to invent it

L.D. COLLEGE OF
ENGINEERING

1st Volume
January - June 2021

CONTENTS

PRINCIPAL AND HOD'S MESSAGE

VISION AND MISSION

MAJOR EVENTS

SSIP

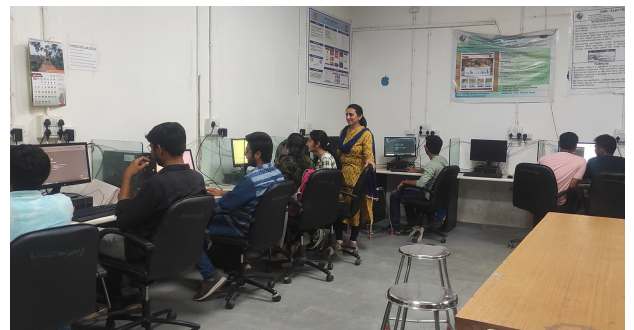
STUDENT'S ACHIEVEMENT

PAPER PUBLICATION

CREATIVITY BY STUDENTS

LABORATORIES

PROFESSIONAL DEVELOPMENT



PRINCIPAL'S TALK



DR. R.K. GAJJAR

Dear students and faculty members,
With the successful completion of the first semester for the new students, we are now going to start with the new semester, with new subjects and goals.

A remarkable year has come to an end with many developments to the credit of our institute. The enthusiasm with which we have worked throughout the year is precious and contagious. The last three months of the year 2021 were a great phase for academic achievements. We have been granted 08 patents. It is delightful to see that many of our professors were invited as experts for various online FDPs, Workshops, and Conferences. I wish that the New Year rings in with more accolades for our students and faculty, and we reach new heights of academic excellence and innovation. And I believe together we can do it.

I would like to end by adding that we should be focused and determined to achieve the goals we have set so that we can fix an even higher benchmark for us and the New Year would bring a new dawn of glory to our institute.

FROM THE HOD'S DESK



DR. SANJAY SHAH

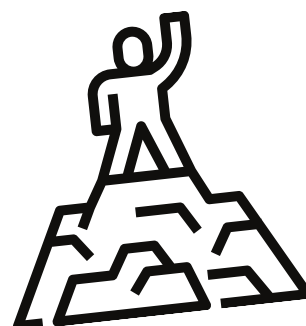
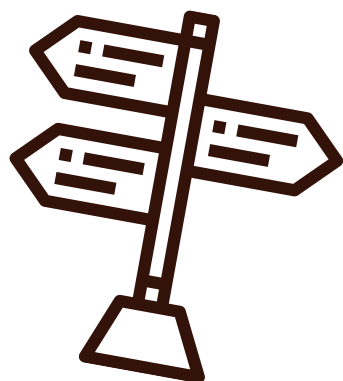
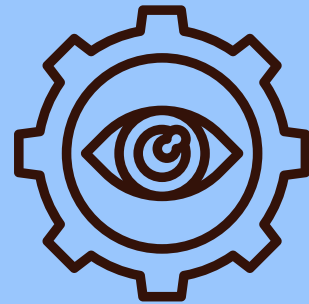
It is a matter of pleasure to present new issue of Computer Engineering Department Newsletter. I am grateful to our Principal Madam for giving us an opportunity to showcase the activities carried out by our department. I feel very happy and honored to work as a team member of very talented, young faculty members and very high merit students.

The Computer Engineering Department is facilitated with a new smart interactive board which will meet the new age demands and help in better teaching learning methodology. Computer Department had organized an lot Lab session: "Hands on Session on IoT Project". The event benefited students in understanding how to work with technology surrounding IoT. A Field visit was conducted for the students of 1st semester to the Incubation Centres – I Hub and GIC where they got to know about new emerging technologies.

I sincerely thank all the teaching and non teaching staff members for their unconditional support in various activities of the department. Suggestions for improving the quality of future newsletter issues are always welcome.

VISION

To achieve academic excellence in Computer Engineering by providing value-based education.



MISSION

- To produce graduates according to the needs of industry, government, society and scientific community.
- To develop partnerships with industries, research and development organizations and government sectors for continuous improvement of faculties and students.
- To motivate students for participating in reputed conferences, workshops, seminars and technical events to make them technocrats and entrepreneurs.
- To enhance the ability of students to address real-life issues by applying technical expertise, human values and professional ethics.
- To inculcate the habit of using free and open-source software, the latest technology and soft skills so that they become competent professionals.
- To encourage faculty members to upgrade their skills and qualification through training and higher studies at reputed universities.

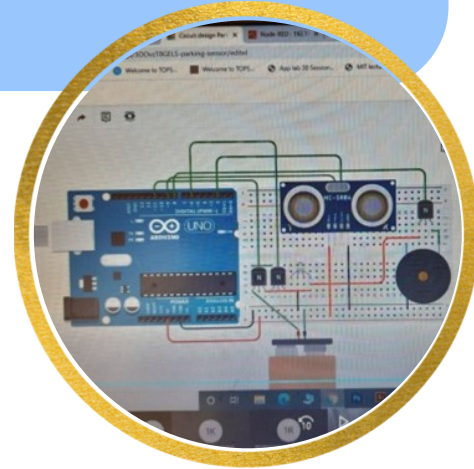


MAJOR EVENTS



Hands on Session on IoT Project

Computer Department had organized an IoT Lab session on 19th February 2021. It was coordinated by Prof. Rajlaxmi Jaiswal for the students of 6th semester. Approximately 97 students benefited via online platform of Microsoft Teams. Mr. Nirav Chauhan from Tops Technologies Pvt Ltd. was the facilitator of an event.



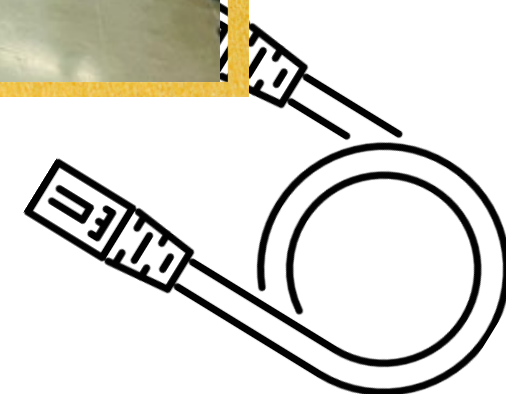
NEW FACILITY

The Computer Engineering Department is facilitated with a new smart interactive board. Meeting the new age demands smart board will help in better teaching learning methodology. Faculties were trained for using the interactive board.



FIELD VISIT

Field visit was conducted for the students of 1st semester CE/IT Department under the guidance of Dr. Purvi Ramanuj, Prof. Hetal A. Joshiara and with the help of student coordinator Bhumi Sharma & Yagna Patel, Aman Pal Singh and Malav Shah. The objective of the event was to have an exposure about start ups and innovation. Around 79 students visited the Incubation Centres – I Hub and GIC, Ahmedabad. In this event the alumni students delivered an expert session in Emerging Technology.





MAJOR EVENTS

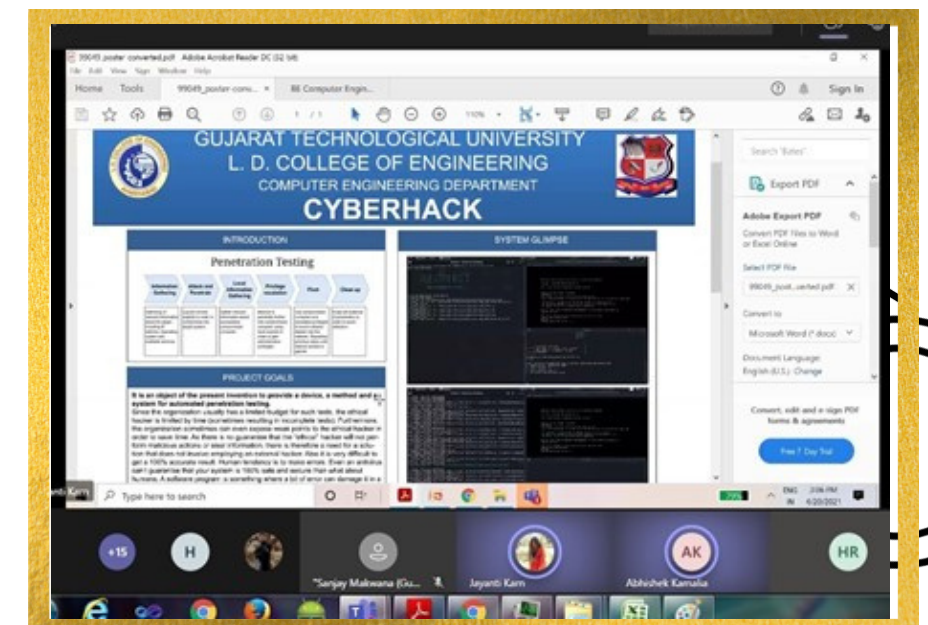
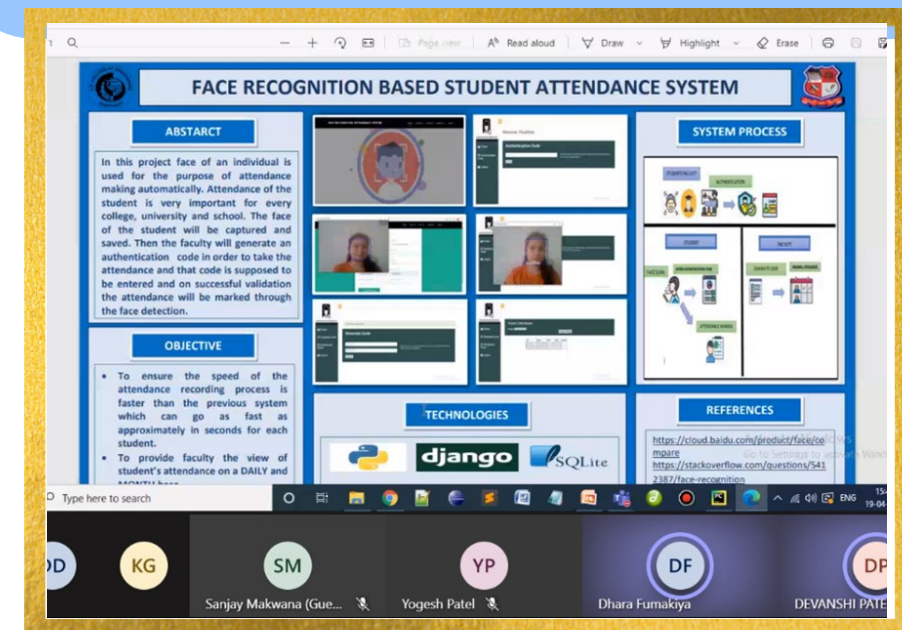


KAIZEN 2K21

KAIZEN 2K21 was organized in CE department on 19th and 20th April 2021 online mode where 150 students from UG - BE in Computer Engineering and 17 students from PG - ME in Computer Engineering participated in project demonstration -open house project exhibition. There were 47 projects from UG and 17 from PG in exhibition and evaluated by industry & academic experts. Prof. Bhavesh Oza and the whole department has collectively coordinated the KAIZEN 2K21 for CE Department. There were winners who added the values in society by means of Technological Enhancement. The briefing of the winners is as below.

- 1st position was secured by Iliyas Murtuza Attarwala, Babariya Dhruvkumar, Monil Pareshkumar Bhavsar and Chaudhary Aman Salilkumar for the project of “Intkut - Deepfake Detection” guided by Prof. T A Champaneria.
- 2nd position was secured by Keval Chauhan and Ayushi Mistry for the project of “Brain Tumor Detection” guided by Prof. P R Dave

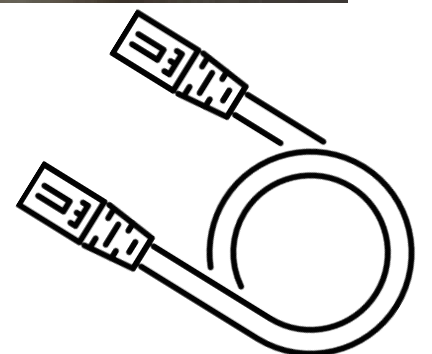
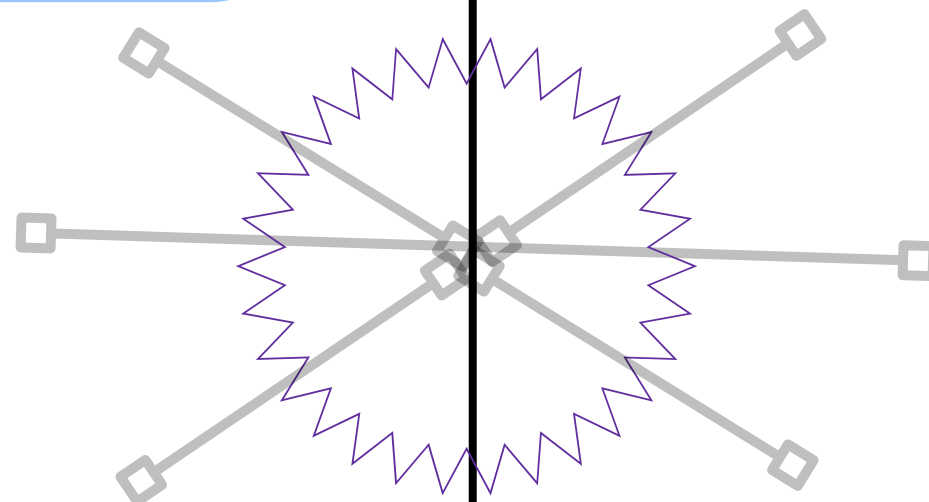
- 3rd position was secured by Pujara Shlok, Raj Sanghvi, Manav Shah and Shalin Suthar for the project of “Deepfake Generation and Recognition” guided by Prof. Y B Patel
- In ME the 1st rank was secured by Shah Rohan Jigneshkumar for the research project of “Enhancement in Face detection and Recognition techniques” guided by Prof. H A Joshiyara.





EARLY START-UP AWARD

- SSIP project, Reolo, led by Malav Shah and Team and guided by Prof. Hetal A. Joshiara won the early start-up award in presence of Dr. (Prof.) Navin Sheth sir. (VC, GTU) at the GTU INNOVATION COUNCIL SANKUL AWARDS 2021 on 14th February 2021.





STUDENTS ACHIEVEMENTS



SANKUL AWARD

GTU INNOVATION COUNCIL SANKUL AWARD 2021 Early stage start up award is won by LDCE start-up "Reolo holographic Pvt. Ltd". Malav shah (Computer Engg dept) is the team leader, Yash Vyas (Electrical Engg dept) is one of the team members and Prof. Hetal Joshiara is the mentor.

Paper Published.

ACM REGIONAL CELEBRATION

Shreya Parmar, a student of the Computer Engineering Department had participated in the national level event "ACM regional celebration / Blog writing competition" at ACM (Pune chapter) and secured first rank as well as won ₹2000 in March 2021.

STUDENTS ACHIEVEMENTS




HACKEREARTH LDCE


Students of Computer Engineering have established a club called “HACKEREARTH LDCE” under “AarmbhCell”. Major objective of the club is to prepare highly skilled programmers who can withstand competitive edge. Team has been approved for the CAMPUS AMBASSADOR PROGRAM to carry out campaigns and spread information about competitive programming and problem solving skills in the form of best beginner’s guide for new upcoming programmers.

CODE FIESTA 1.0

CODE FIESTA 1.0 – The coding competition was organized on 20th June 2021 and 22nd May 2021. More than 60 participants from the college took part in the said competition. HackerEarth LDCE team also organized a webinar on “How to Grab Opportunities as a Student” on 19th June 2021 at 6:30 p.m. Students from various institute were benefited by the webinar. Speaker Mr. Manoj R (Product Manager at Looping HQ) has delivered a talk on skill building from the right stage and grab the opportunities at the right moment under guidance of Prof. Hetal A. Joshiara.

PAPER PUBLISHED

- 
- Sanket C. Patel and Pinal D. Salot published a paper on SURVEY ON DIFFERENT OBJECT DETECTION AND SEGMENTATION METHODS in International Journal of Innovative Science and Research Technology Volume 6, Issue 1, January – 2021.

- Shilpa Mehta, Hetal A. Joshiara have published a paper titled “LOAD BALANCING IN CLOUD COMPUTING: A COMPREHENSIVE SURVEY ON RECENT TECHNIQUES” in International Journal of Advanced Trends in Computer Science and Engineering (ISSN 2278-3091) in Volume 10, No.2, March - April 2021.
- 

**Creativity
By
Students**



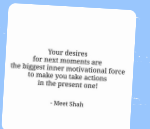
PHOTOGRAPHY

Heta Mehta



DRAWING

Dhyani Patel



POEM

MEET SHAH



DRAWING

SAHILKUMAR



PHOTOGRAPHY

Meet Shah



DRAWING

PIPALIYA PARTH

LABORATORIES

APPLICATION DEVELOPMENT LABORATORY

NETWORK AND COMPUTING LABORATORY

SYSTEM LABORATORY- 1

SYSTEM LABORATORY- 2

SOFTWARE DEVELOPMENT LABORATORY

DBMS LAB

PROGRAMMING LAB

PROJECT LAB

PROGRAMMING LANGUAGE LABORATORY

MICROPROCESSOR AND DIGITAL LOGIC LABORATORY



PROFESSIONAL DEVELOPMENT

(STTP/FDP/Workshop/Conference etc. attended only)

SR.NO	Title	Faculty	Organized By	Duration
1	Workshop	Prof. H. K. Gevariya, Prof. H. B. Pandya, Prof. A. V. Shah	Department of Computer Engineering & Information Technology, Sankersinh Vaghela Bapu Institute of Technology, Vasant Gandhinagar	12/03/2021 To 13/03/2021 (2 Days)
2	Training	Prof. Hetal B. Pandya	AICTE	January-February 2021 (4 weeks)
3	Induction Phase II	R A Dayma	NITTTR, Bhopal	21/06/2021 to 02/07/2021
4	Security & Privacy: Trends and Directions	Z Y Noorani	AVPTI, Rajkot (Online Mode)	28/04/2021 to 04/05/2021

1)Hetal A. Joshiara, Assistant Professor of Computer Department participated in a one day seminar STI connect forum at university for R&D proposals on State priority areas S&T on 25th February 2021.

2)Hetal Pandya, Assistant Professor of the Computer Department of L.D college of engineering guided projects for both SSIP as well as for the final year students.

3)Rajyalakshmi Jaiswal, Assistant Professor of the Computer Department is guiding two ME students as well as two final year projects.

4) Career Counselling Session - "What After Standard 10th ?" was conducted by DHC Education Committee at "Anjumane Sardariya (Boarding)" near Vishala Circle. In that session Prof S H Sundrani (GP, Ahmedabad), Prof G R Khunt (GP, Surrendranagar) and Prof Zishan Noorani (LDCE, Ahmedabad) delivered speeches to motivate and guide the students for Higher Education.

FACULTY COORDINATORS: Prof. Hetal Joshiyara, Prof.Prachi Pancholi, Prof. Parth Dave

DESIGNED BY: TIYA MEHTA, HET SHAH, AKASH PARMAR, JUHI BHOJANI, NIYATI THAKKAR