



ELECTRIC FLASH

VOLUME -5, ISSUE -1, JANUARY-MARCH 2021

Vision of ECE Department

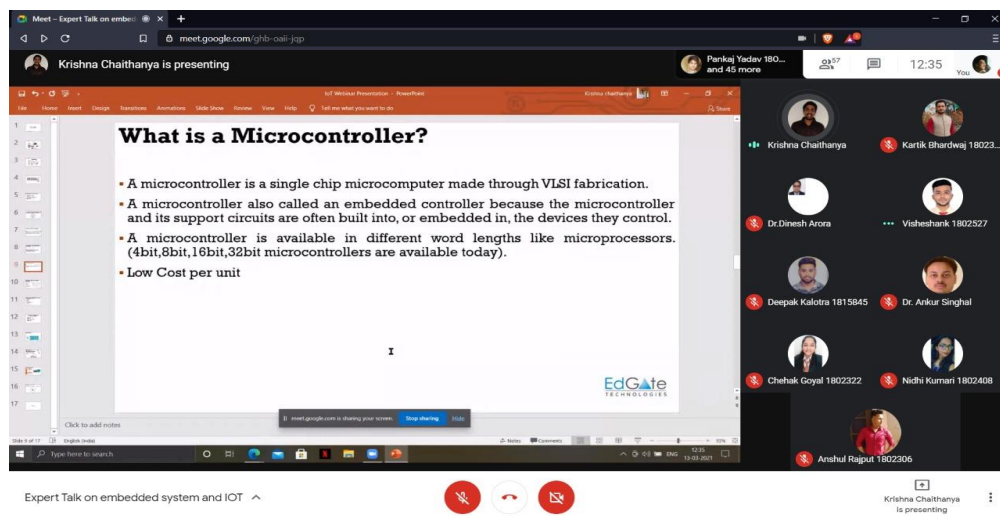
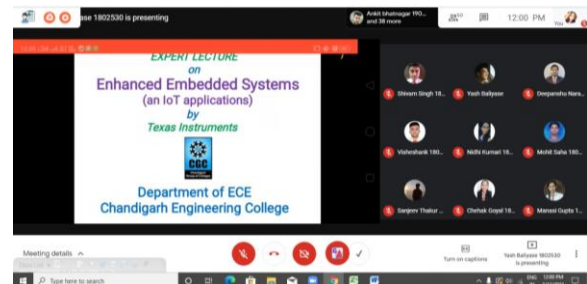
To produce skilled, socially –sensitized and globally competitive professional engineering graduates in the area of Electronics and Communication Engineering.

Mission of ECE Department

1. To provide quality and contemporary education through innovative teaching-learning process and effective resource utilization.
2. To develop responsive and socially sensitive engineer through research oriented practices.
3. To promote industrial collaboration for providing practical exposure leading to industry ready engineering graduates.
4. To open new vistas of learning for students through international collaborations.
5. To provide conducive environment through pre placement training and professional development activities for providing ample opportunities of placements, higher studies and entrepreneurship.

EXPERT TALK ON EMBEDDED SYSTEM AND INTERNET OF THINGS (IOT)

The Techcomm Professional society of our college had organized an online "EXPERT TALK" on "Embedded System and IOT" on 13th March, 2021 by Texas Instruments. The main purpose of the event was to provide and share information regarding Embedded system and IOT. There were total 80 students. Participants learnt all about embedded systems, which was explained brilliantly using the real life examples, this session was very beneficial for participating students keeping in mind their upcoming placements.



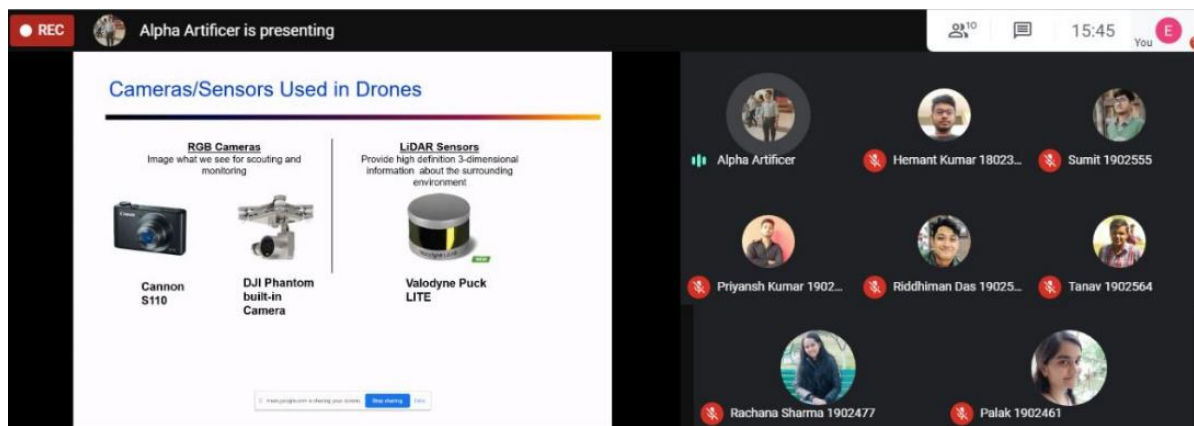
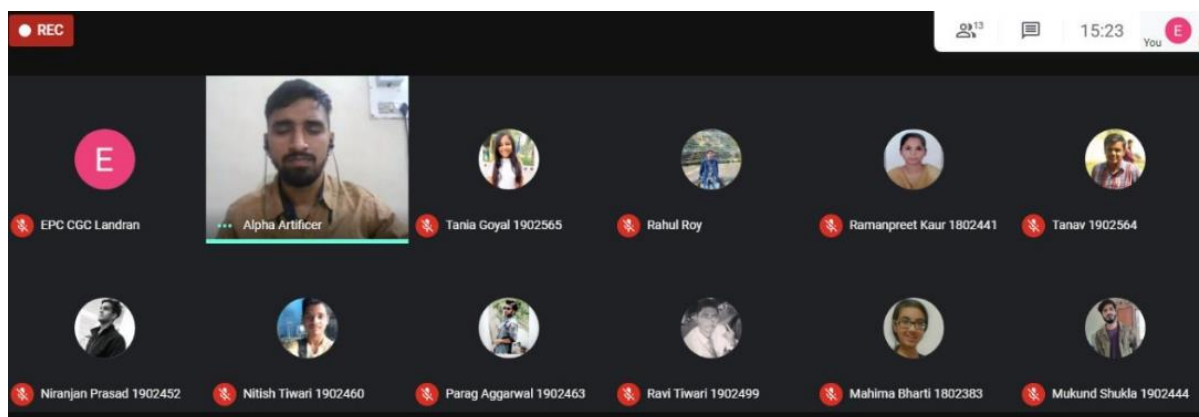


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EXPERT LECTURE ON DRONE TECHNOLOGY AND APPLICATIONS

One more peer mentored session was conducted in ECE department from 3 PM to 4 PM with Prince Kumar on Drone Technology and its applications. About 75 students attended this session. Session let the students learn in detail about installation of drone technology and its application in various fields. It was also discussed how we can implement it in the projects related to the Electronics.



EXPERT TALK ON ENTREPRENEURSHIP AND START UP

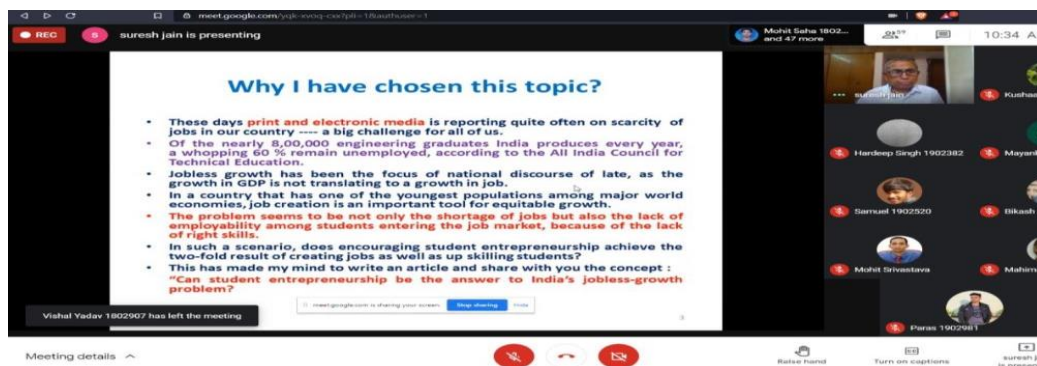
The IIC and IEDC of our college had organized an online "EXPERT TALK" on "Entrepreneurship and Start up" on 20th March, 2021. The main purpose of the event was to provide and share information regarding Entrepreneurship and start up and showing the path to succeed in this field. Dr Jain also motivated us with his wise words. There were total 80 students. Students learnt a lot about



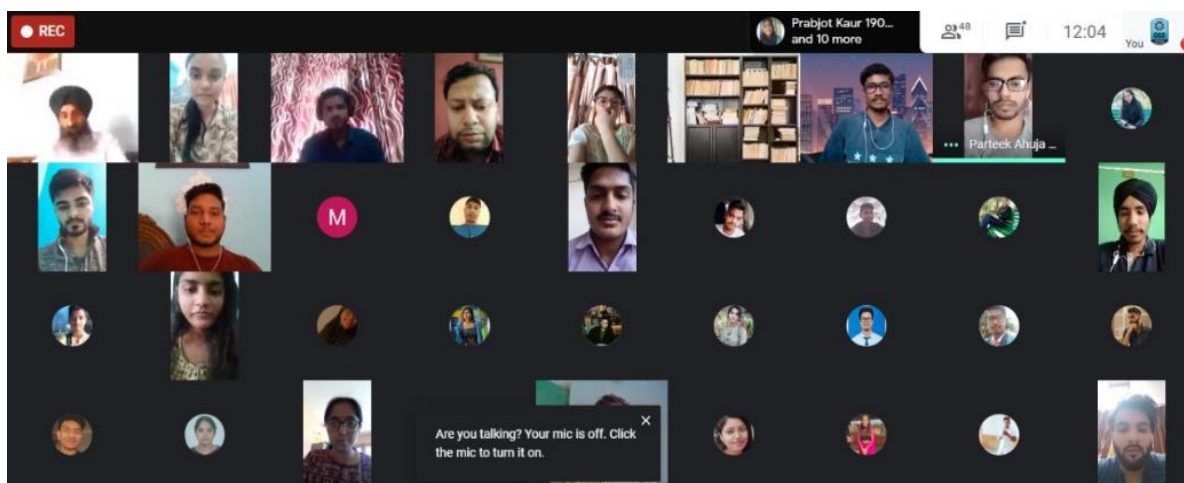
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entrepreneurship and how to start them and go on with them and succeed in a planned manner. Students also are motivated for start ups after this lecture.



WORKSHOP ON DIGITAL IMAGE PROCESSING USING MATLAB AND ITS APPLICATIONS

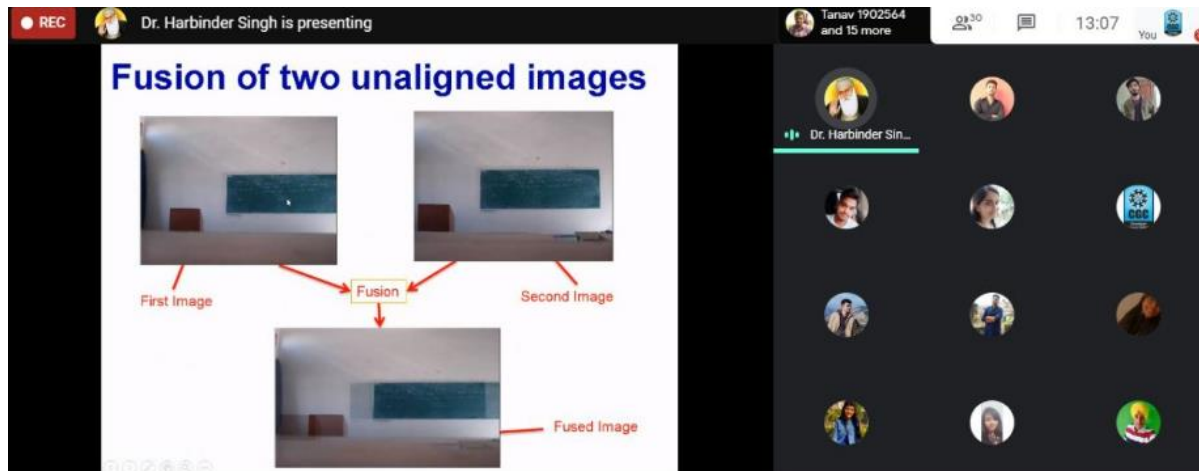




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One more session from 12 PM onwards in the form of workshop with Dr. Harbinder Singh, Professor ECE and RISE department, CGC Landran on Digital Image Processing Using MATLAB and Its Applications is conducted by Electronics Project Club of ECE department. About 75 students attended this workshop. Workshop let the students learn about MATLAB basic introduction, Introduction of workspace, command folder, command window in MATLAB, Matrix implementation on pixels, Conversion of colored image to greyscale, Lazy Man operation in MATLAB, Discussion about one project based on templates and Panaroma.



FACULTY DEVELOPMENT PROGRAMME ON “IOT AND AUTOMATION” IN COLLABORATION WITH LATC SIEMENS

1ST FEB – 3RD FEB, 2021



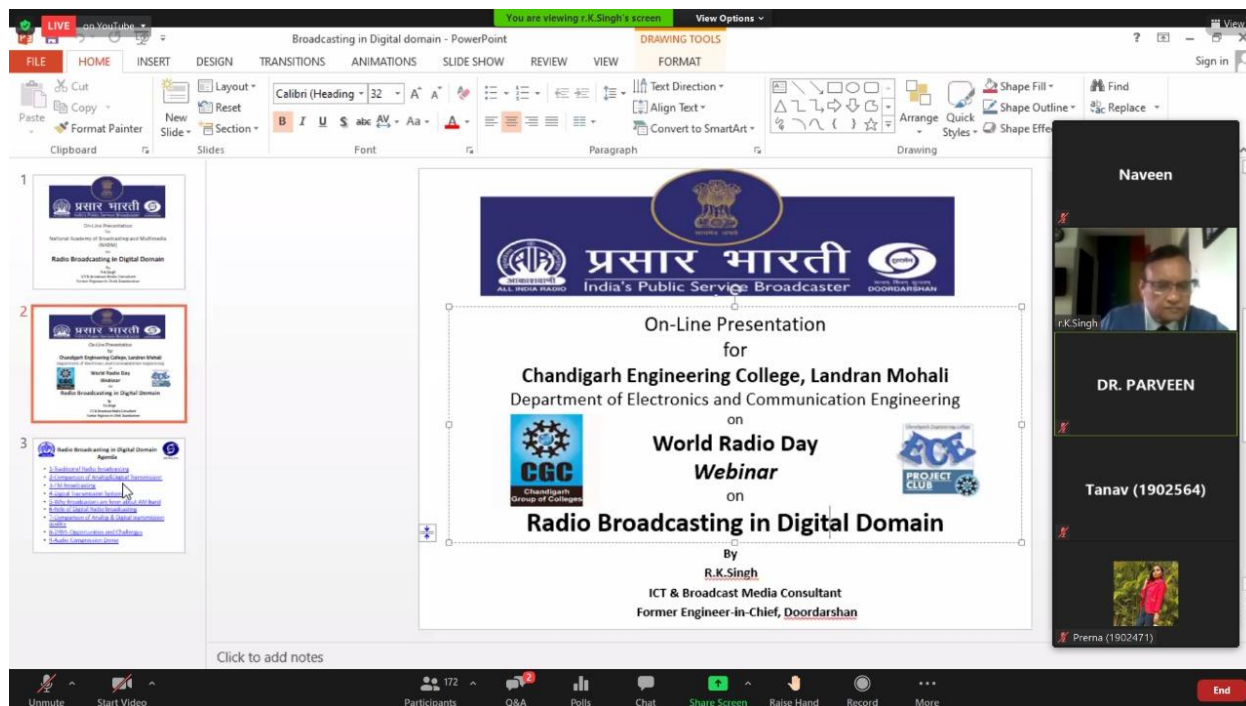
Mr. Ajay Kumar, CEO, Enovate Skill, NITTTR Startup, Chandigarh gave the Introduction about IoT (Internet of things). The second session was taken by Mr. Ajay Kumar, Director, Enovate Skill, Chandigarh. During the day he introduced the audience to IoT, Industry 4.0, its need, key principles of Industry 4.0, key components of IoT, variety of sensors and applications of IoT. Participants had the opportunity to learn two new software namely, TinkerCAD and Scratch. They were given live demo about the usage of these software's which impressed the participants a lot. At the end of the session, participants were presented with tutorials where everyone made a program by themselves on these software and discussed questions.



WORLD RADIO DAY

EVENT 1: WEBINAR BY R K SINGH

On the occasion of World Radio Day 2021, an exclusive webinar session for students was organized by “Electronics Project Club” of ECE Department in collaboration with “Department of Student Welfare” on the topic ‘Broadcasting in Digital Domain’ on 13 February 2021. The session was presided over by respected Mr. R.K Singh ICT & broadcast media consultant, former engineer-In chief, Doordarshan told about his carrier and Traditional Radio Broadcasting, Comparison of Analog and Digital Domain, FM-Broadcasting, Digital Transmission System, Why Broadcasters Are Keen About AM Band, Role Of Digital Broadcasting, Comparison Of Analog And Digital Transmission Quality, DRM-Opportunities And Challenges, Audio Compression Demo.



EVENT 2: BE AN RJ (OPEN MIC COMPETITION)

EPC club of ECE Department in collaboration with DSW department had organized an open mic competition “Be An RJ” on 13th feb,2021 at online platform. There were 11 participants which were selected after the preliminary round.

Winners of the event:

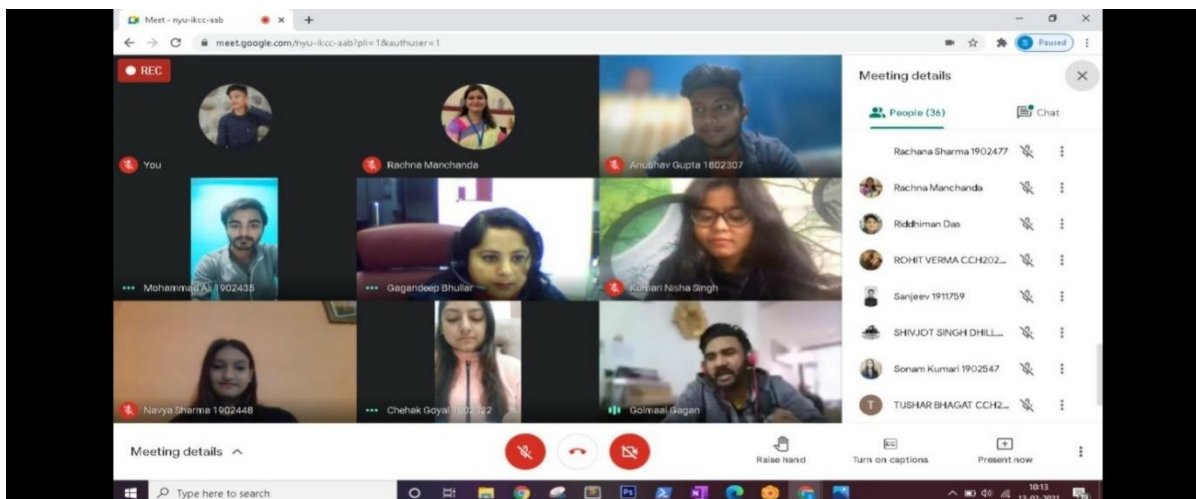
1. Naman Bansal – Chandigarh Engineering College
2. Sanjeev – Chandigarh College of Pharmacy



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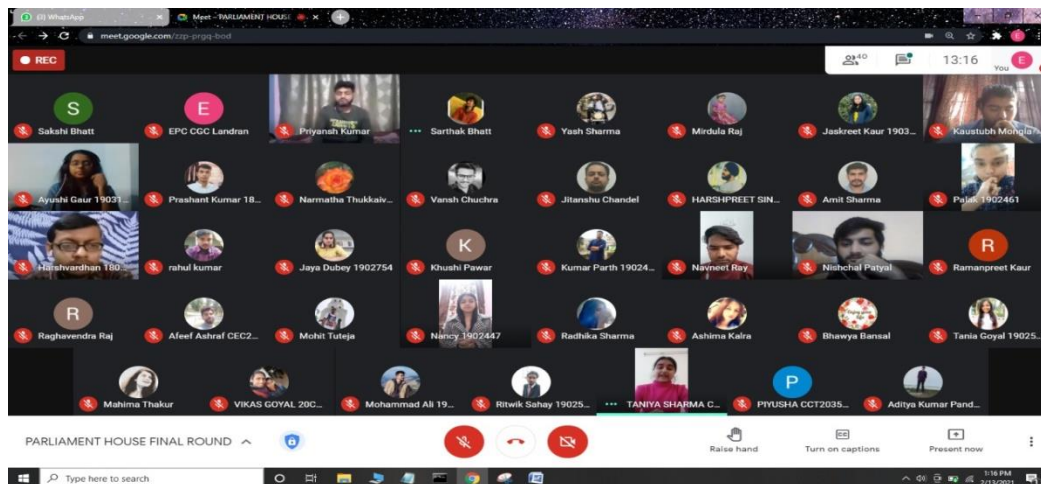
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3. Mohammed Ali – Chandigarh Engineering College



EVENT 3: PARLIAMENT HOUSE

Electronics Project Club of ECE Department in collaboration with DSW Department had organized an online debate competition “**Parliament House**” on 13th feb, 2021 on Google Meet. The main purpose of the event was to have an interactive session for the students of various colleges. Students from colleges of Punjab, Chandigarh, Tamil Nadu participated with full enthusiasm.



Winners of the event:

1STRANK :-BHAWYA BANSAL (Chandigarh Engineering College , Landran)

2ndRANK :-TANIYA SHARMA (Chandigarh Business School of Administration , Landran)

3rdRANK :-NARMATHA . T (Sri G.V.G Visalakshi College For Women ,Udumalpet ,Tamil Nadu)



EVENT 4: TECHNICAL QUIZ

TPS club of our college had organized an online Technical Quiz competition “Technical Quiz” on 13th feb, 2021 at Kahoot platform. The main purpose of the event was to provide a chance to everyone to show their technical knowledge.

Winners

1st Pankaj Kumar
2nd Nikhil Raj
3rd Mahima Bharti



STUDENT ACHIEVEMENT

Virtual School(BusIT Week Leuven) conducted by UCLL University of Applied Science (Belgium) for Dates: 29.03.2021-03.04.2021.out of 5 students, one of our ECE student Akanksha Pandit (1802280.ece.cec@cgic.edu.in) was part of the winning team and will receive an amazon.in gift voucher worth 100 euro.

PATENTS

- Wireless water Surveillance
- Patient Dietary WIRELESS SYSTEM FOR HALTING VEHICLES
- C-19 INSPECTACLES
- EMAGE



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CHIEF EDITOR MESSAGE

This newsletter is intended to be published quarterly in a year. This inaugural issue is a brief account of the important events held up to March 2019. It is expected that wide support for this mission will be provided through the reader's valuable suggestions and comments. This is only a small step towards a long journey. This issue of newsletter should inspire all of us for a new beginning enlighten with hope, confidence and faith in each other in the road ahead.

Chief Editor: Ms Ashima Kalra
Editor: Ms. Aanchal Gupta
Student Editor : Mahima, Tarishi