

July 2021
Issue-1

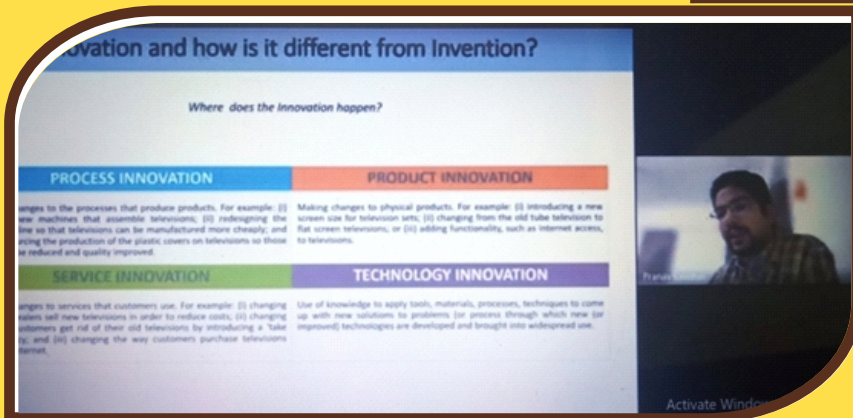
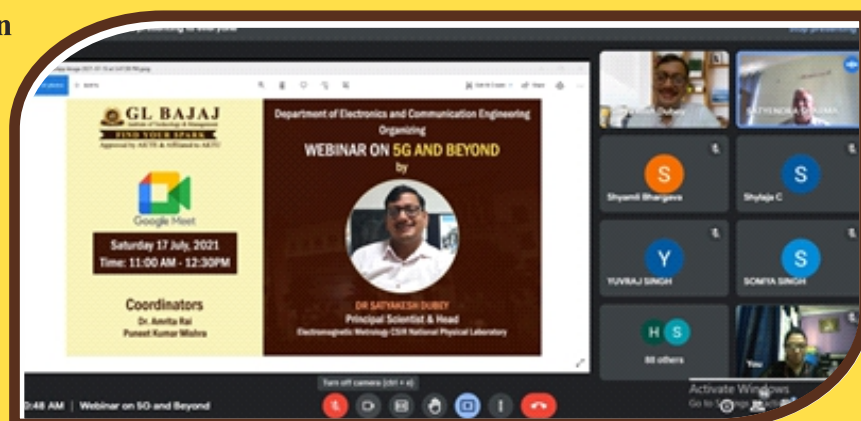
News Letter

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



GL BAJAJ
Institute of Technology & Management

- ▶ Webinar on “Infrared detectors for defence applications”
- ▶ ANVITHA -2021
- ▶ Webinar on “The Importance of Innovation in Education: Bridging the gap between Academics and Real-world”
- ▶ Webinar on “5G and Beyond”
- ▶ Student Corner



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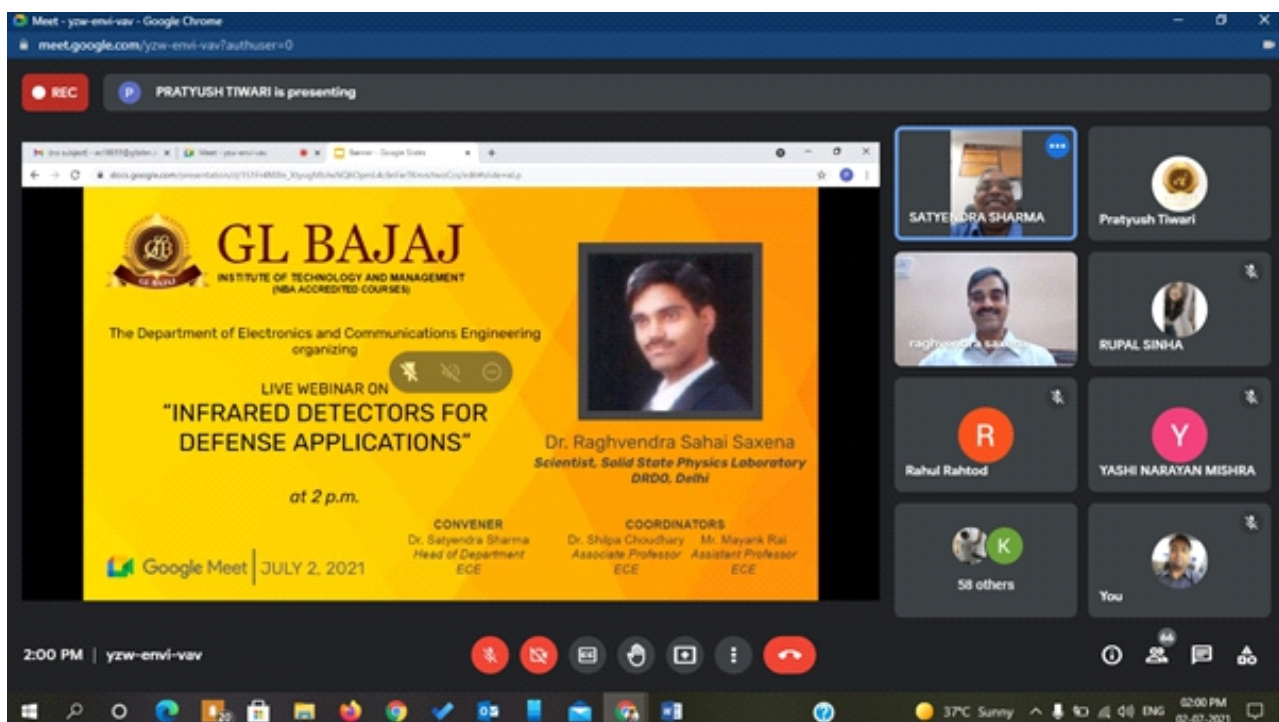


Webinar on “Infrared detectors for defence applications”

On 2nd July 2021, a live Webinar on “Infrared detectors for defence applications” was organized by the Department of Electronics and Communication Engineering, GLBITM. The speaker of the session was Dr. Raghvendra Sahai Saxena, Scientist Solid State Physics Laboratory, DRDO, Delhi. This session was conducted for II year, III year and Final year of ECE students. Topics covered during the session are as mentioned below-

- IR Equipment
- Atmospheric transmission and IR band
- Details about Thermal imager
- Types of IR detectors
- ROIC development for Microbolometer array
- ROIC Unit cell architecture
- ROIC modes of testing
- Microbolometer array fabrication on ROIC wafer, etc.

Complete session was very informative and interactive. Session was ended with vote of thanks by Dr. Shilpa Choudhary, Associate Professor, ECE.





ANVITHA -2021

"Creativity is intelligence having fun" and this time virtual events was organized by society ANVITHA of ECE department.

The event took place on 10 July 2021 where two different programmes were witnessed.

The first one being from technical club and name of the event was **WASTE PRODUCTIVE** where able to have a glimpse of all the marvellous things that can be made of all the waste lying around us uselessly. Brilliant inventiveness was done by all our participants.

The next event observed on the same day was a cultural event where different programmers were organized named;

MOVIE MANIAC

REELSTER.

Movie maniac was a 'cherry on the cake' for all movie lovers. It was a game where dialogues from various movies were given to the contestants and they had to guess the name of the movie. In the end were able to get a winner which was decided by who answered the most know of questions. The last but not the least event was **REELSTER** where able to look at all the emerging stars from our college. Several topics were given to the contestants and a reel had to made the best reel of all was chosen as the winner. On 11 July 2021 had a closing ceremony that had greatest support by Head of the Department along with all department teachers', winners and all my enthusiastic society ANVITHA members. Winners were announced and also had a mesmerizing musical performance which was thoroughly enjoyed by all spectators.



Winners from MOVIE MANIAC:

- Kamayni, 2nd year, GLBITM

Winners from REELSTER:

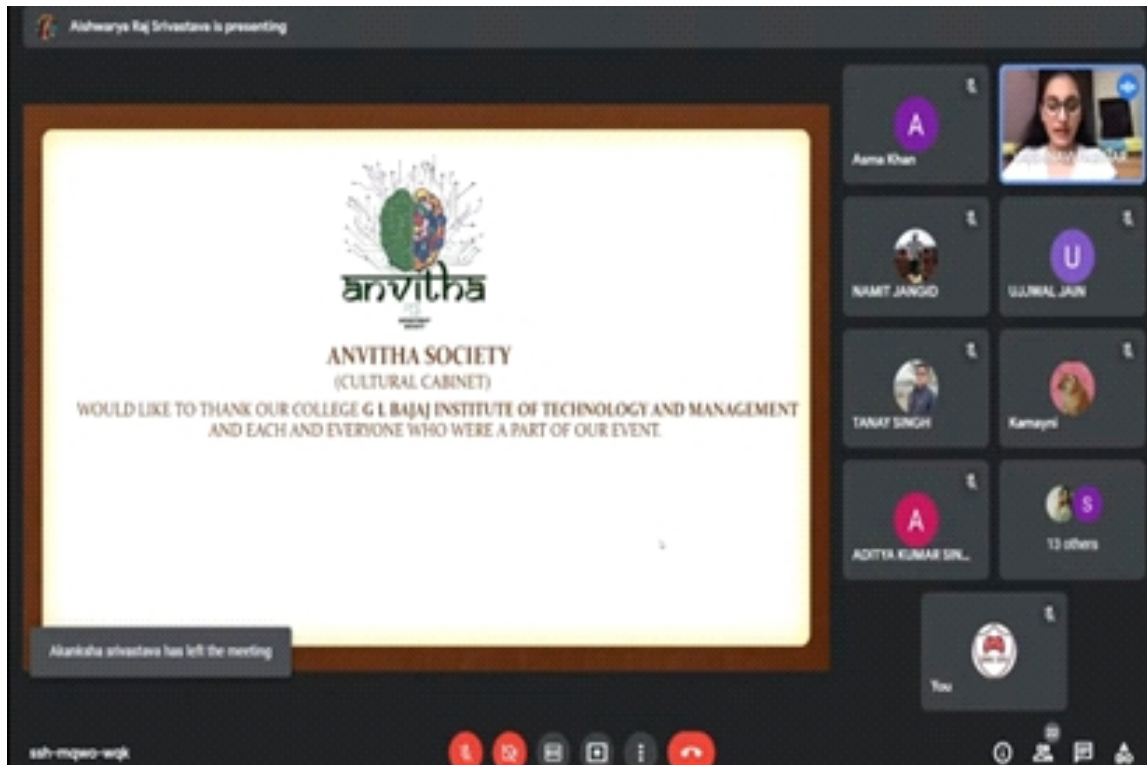
- First Position- Ritika Gupta, 2nd year, ECE, GLBITM
- 2nd Position- Shashank Kumar, 1st yr, CSE, GLBITM
- 3rd Position- Siddhi Gupta, 1st yr, CSE, GLBITM

Winners from Waste Productive :

- First Position- DevParihar, 3rd yr, ECE, GLBITM
- 2nd Position- Soumya Singh, 3rd yr, ECE, GLBITM
- 3rd Position- Sumit Chauhan, 3rd yr, EEE, GLBITM

At the end Dr. Satyendra Sharma motivated us with his enlightening words and persuaded to do better the event came to an end by the vote of thanks of our society president.

Overall the event was a great triumph.





Webinar on “The Importance of Innovation in Education: Bridging the gap between Academics and Real-world”

A live webinar on the topic of “The Importance of Innovation in Education: Bridging the gap between Academics and Real-world” has successfully been conducted by ECE department of GLBITM on 12th July 2021. The Keynote Speaker was Mr. Pranav Kaushal, Deputy Manager - Open Innovation and New Initiatives, HCL Technologies, Noida. Dr. Satyendra Sharma, Head of the Department, ECE welcomes the Keynote speaker. The webinar assisted the faculties and students to understand the purpose of the Incubator and Innovation cell of GLBITM. Agendas covered during the live session are as mentioned below-

All about Innovation
Technology Trends 2021 and beyond
Overview on what kind of research is happening in various institutions
Role of Students
Role of Teachers
Role of University
Importance of Open Innovation Ecosystem

Complete session was very informative and interactive. Session was ended with vote of thanks from Dr. Kirti, Assistant Professor, ECE.

What is Innovation and how is it different from invention?

Where does the innovation happen?

PROCESS INNOVATION Making changes to the processes that produce products. For example: (i) building new machines that assemble televisions; (ii) redesigning the assembly line so that televisions can be manufactured more cheaply; and (iii) outsourcing the production of the plastic covers on televisions so those costs can be reduced and quality improved.	PRODUCT INNOVATION Making changes to physical products. For example: (i) introducing a new screen size for television sets; (ii) changing from the old tube television to flat screen televisions; or (iii) adding functionality, such as internet access, to televisions.
SERVICE INNOVATION Making changes to services that customers use. For example: (i) changing the way dealers sell new televisions in order to reduce costs; (ii) changing the way customers get rid of their old televisions by introducing a 'take back' policy; and (iii) changing the way customers purchase televisions over the internet.	TECHNOLOGY INNOVATION Use of knowledge to apply tools, materials, processes, techniques to come up with new solutions to problems (or process through which new (or improved) technologies are developed and brought into widespread use.

Pranav Kaushal

Activate Windows

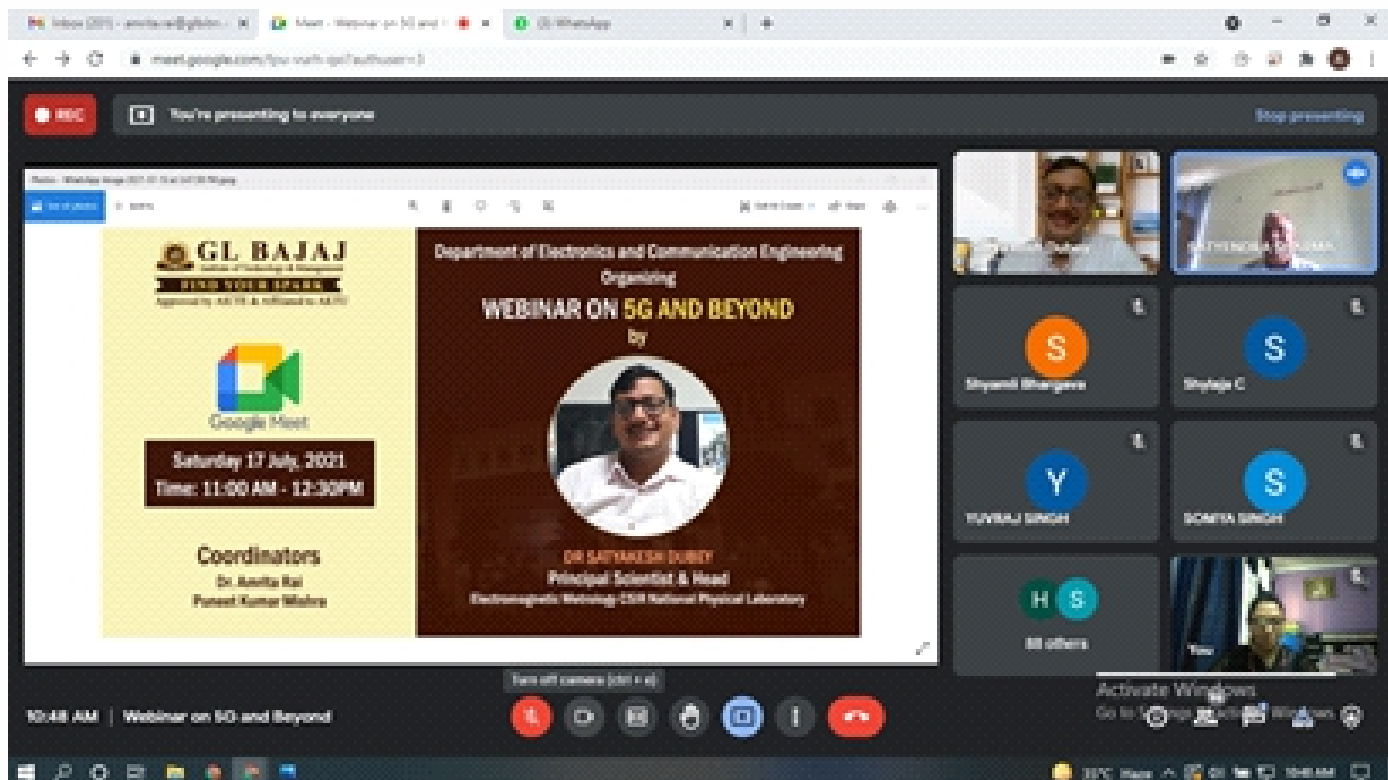
Webinar on “5G and Beyond”

On 17 July 2021, a live Webinar on “5G and Beyond” was organized by the Department of Electronics and Communication Engineering, GLBITM. The speaker of the session was **Dr. Satyakesh Dubey, Principal Scientist & Head of Electromagnetic Metrology, CSIR National Physical Laboratory, New Delhi**. This session was conducted for II year, III year and Final year ECE students.

Topics covered during the session are as mentioned below-

- EM wave propagation its application
- Precision microwave measurements for Specific Absorption Rate (SAR),
- Radiated Power Density,
- Attenuation and S-parameters along with EM Wave Analysis for nano-particles.

Complete session was very informative and interactive. Session was ended with vote of thanks by Dr. Amrita Rai, Associate Professor, ECE.





Student Corner



Anaam Singh
ECE, 2nd year

We are gratified to announce that Anaam Singh (EC) has scored 3rd position under “ANVESHANA” & 1st position under POC contest for the project “Electricity from Sludge”. A 15- day research was initiated from his side with the comprehensive fund of Rs.33, 100 & the results of the same were satisfactory. He is constantly working to enhance the outshot and defying all the odds he is optimistic that the future of the renewable energy is efficacious.



Record Breaking Placement **92%**
B.Tech. ECE - 2021 Batch



KRATIKA DIXIT
cisco | ₹ **18.2** LACS
PER ANNUM



RISHABH GUPTA
cisco | ₹ **14.95** LACS
PER ANNUM



MANISH GUPTA
cisco | ₹ **14.95** LACS
PER ANNUM



NITIN MISHRA
DELHIUTV | ₹ **8.00** LACS
PER ANNUM

Total Job Offers: 184
(50+ Students with multiple job offers)



Editorial Board

Convenor : Dr. Satyendra Sharma (HOD)

Editor : Dr. Dinesh Singh - Associate Professor
: Dr. Shilpa Choudhary - Associate Professor



VISION

To become a department of repute and prepare globally competent and socially responsible professionals with holistic knowledge and technical skills.

MISSION

- ✓ To provide a supportive environment for effective knowledge transfer and nurturing ideas.
- ✓ To equip students with technical and leadership skills, and abilities to face the global challenges.
- ✓ To create an environment conducive for research and development with continuous involvement of industry.
- ✓ To inculcate professional and moral values in the students.

Program Educational objectives (PEO)

On completion of this course, our graduates will be able to

1. Exhibit multi-disciplinary technical and leadership skills for better employability, higher education and entrepreneurship.
2. Possess strong knowledge in the field of Electronics and Communication Engineering to develop solutions for real life problems.
3. Undertake professional responsibilities through strong team-work, communication skills and life-long learning.
4. Become socially responsible professionals with moral values and ethics.

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