Koneru Lakshmaiah Education Foundation



(Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A' Grade University ❖Approved by AICTE ❖ ISO 9001-2015 Certified Campus: Green Fields, Vaddeswaram - 522 502, Guntur District, Andhra Pradesh, INDIA.

Phone No. 0863 - 2399999; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Governorpet, Vijayawada - 520 002. Ph: +91 - 866 -2577715, Fax: +91-866-2577717.

Department of PHYSICS

DATE: 28/08/2024

Report on the National Virtual Webinar titled "Subluminal Light in Optical Media" organised by the Dept. of Physics, KLEF, Vaddeswaram, India on 28/08/2024 from 2:00 to 4:00 pm.

The Resource Person started at exactly 2 pm, and I waited a few minutes to join the remaining participants. The session began with the Convenor (Dr Sonali Biswas) addressing the participants, followed by the RPAC Madam, who briefly highlighted the department (Academics and Research) to the participants and resource person. After this, we immediately started the presentation with our resource person giving their introduction to the participants. The resource speaker, Dr Nitu Borgohain, Assistant Professor, Department of Physics, University of Science and Technology, Meghalaya, delivered the lecture showcasing the importance of slow light, and he explained that the slow light effect is important in science and technology because it can improve light-matter interactions and miniaturize photonic devices. It also allows for more control over the spectral bandwidth of light-matter interactions, and the ability to temporarily store light in all-optical memories. Dr Nitu Borgohain discussed key concepts, recent advancements, and prospects in the slow light. Dr Nitu Borgohain highlighted the significance of Slow Light, which utilizes control over the spectral bandwidth of light-matter interactions, and the ability to temporarily store light in alloptical memories. Dr Nitu also explained some potential applications of the slow light effect: Optical communications, Optical signal processing, and Interferometric devices.

The seminar ended with a vote of thanks from the Convenor (Dr Sonali Biswas), who finally requested the participants to fill out the feedback form, which the link shared in the WebEx chat box to generate and receive their e-certificates. With this, the guest lecture ended on a grand note and successfully held 40 participants online throughout the duration, which went for about 1 hour and 10 minutes.

Information was communicated on 21/08/2024 to get registrations from the participants, and the same was shared with the previous participants through WhatsApp, email and other social media platforms.

The Department of Physics (DST-FIST Sponsored), KLEF, Guntur organised a <u>National Virtual Webinar titled "Subluminal Light in Optical Media"</u>.

The details are as follows:

Topic: National Virtual Webinar

Date: 28th August 2024 (Wednesday)

Time: 2:00 pm – 4:00 pm (Indian Standard Time)

Online Platform: Cisco WebEx

NO REGISTRATION FEE

Registration Link: https://forms.gle/NvPEf2Ycdxk4LSJr5

E-certificate will be provided to the registered participants who submitted feedback forms and attended all the sessions.

Resource Persons:

Dr Nitu Borgohain, Assistant Professor, Department of Physics, University of Science and Technology, Meghalaya.

Join the meeting here:

https://kluniversity.webex.com/kluniversity/j.php? MTID=m0b6665dfc6575d966a700ed36d8fe6b7

For any queries on the webinar, the following are contacted.

Dr. Sonali Biswas, Asst. Prof. & Convenor, Dept. of Physics,

Email: biswas.sonali@kluniversity.in, Mobile: 9471304216.

With regards

Program Chair

Dr. K. Swapna, Associate Professor & HOD, Department of Physics, Koneru Lakshmaiah Education Foundation (KLEF), Vijayawada, Andhra Pradesh.

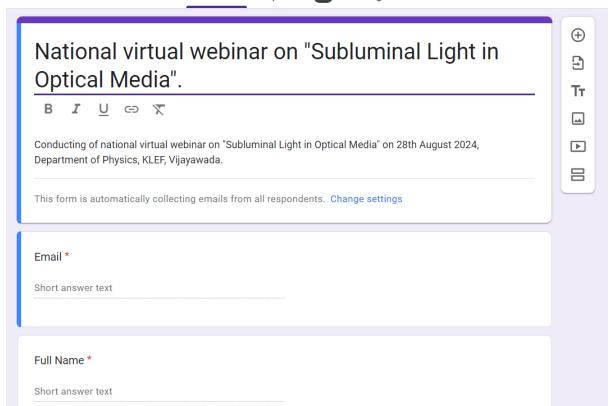
1. Poster designed for communication purposes to conduct Webinar



The Department of Physics (DST-FIST Sponsored), KLEF, Guntur organised a National Virtual Webinar titled "Subluminal Light in Optical Media" on 28/08/2024 from 2:00 to 4:00 pm (IST).

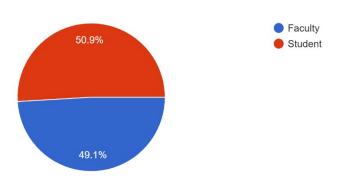
Thanks to the CCO & Director, Dean-MHS, Principal-Sciences, Coordinator of FED, HOD (Dept of Physics), and Physics faculty for successfully completing the National Seminar. Special thanks to the management and higher authorities of KLEF, Vaddeswaram, and Guntur.

- 1. E-Certificates were issued to participants who registered, participated/attended the guest lecture, and successfully submitted the feedback form. A Sample certificate is attached here.
- 2. Registration and feedback forms and responses from the participants with statistics Total registrations received: 108



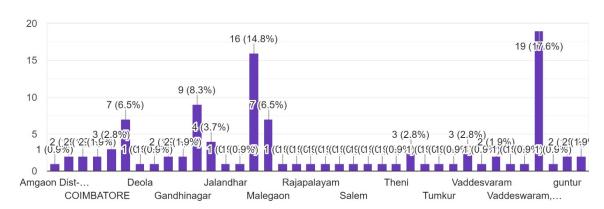


108 responses

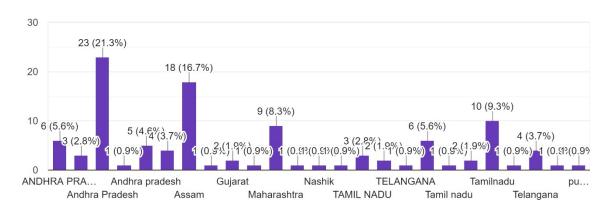


Location / City

108 responses







3. Screenshots/photos taken during the international webinar are attached below as proof.

