

**1. Name of the programme:** National level Webinar on “Physics via Computer Simulation.”

**2. Date:** 28/06/2020 (11.00 am to 12.30 pm)

**3. Organized by:** Department of Physics, B. N. College, Dhubri.

**4. Name of resource person:** Dr. Rakesh Moulick,

Assistant Professor, Dept. of Physics,

School of chemical engineering and physical sciences

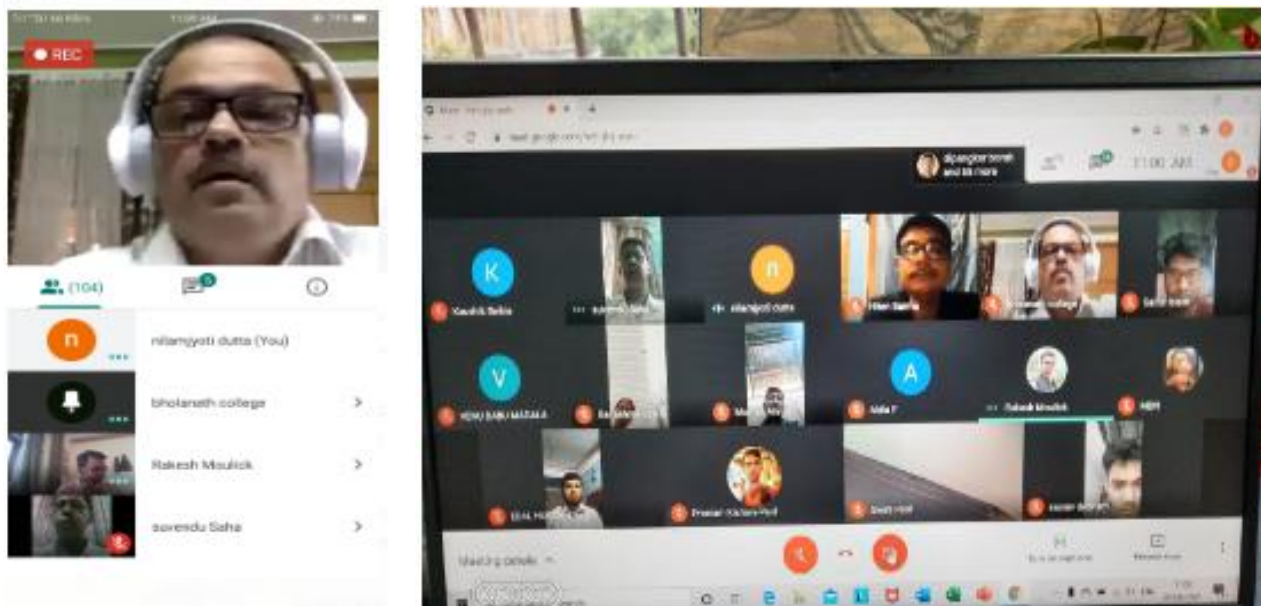
Lovely Professional University,

Phagwara, Punjab 144411, India

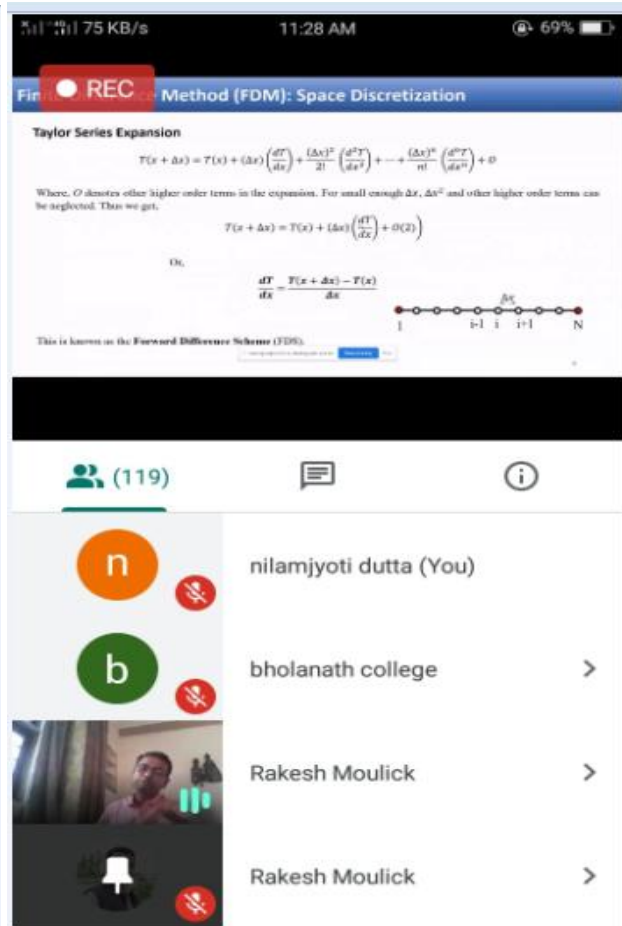
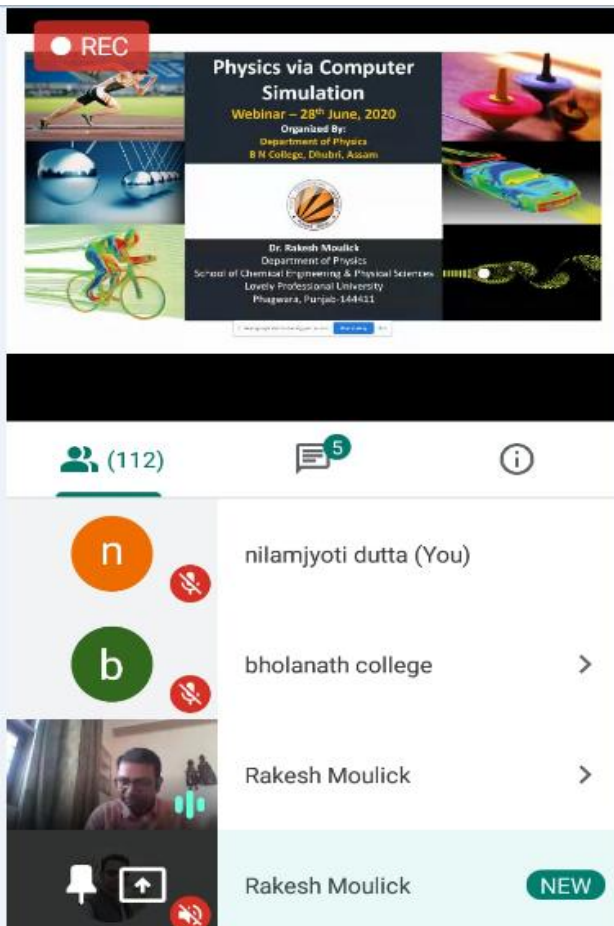
**5. Numbers of participant:** 830 (Faculty and student)

**6. Online platform:** Google Meet, Face book live, and live streaming at the college website.

In the last few years, computer simulation and programming have received significant attention due to its specific advantage, like easy access, cost-effectiveness, etc. These particular media can able to simulate numbers of the sophisticated experimental set up effectively as well as can able to solve large physics-based mathematical equations in a small interval of time. Keeping these critical aspects in our mind, the department of Physics B. N. College has decided to organize a national level webinar on the same topic for popularization and get information about it. As a result of active support from Principal and co-ordinator IQAC of B. N College, the department organized a national level webinar on the topic “Physics via Computer Simulation” on 28<sup>th</sup> June 2020. To address the same issue we have invited Dr. Rakesh Moulick, Assistant professor, Dept. of Physics Lovely Professional University, Phagwara, Punjab. We have received a great response from different parts of India, including students, faculties, and research scholars. Total numbers of more than eight hundred participants were registered for the program. As a result of the higher response, the session was live in three different online media google meet (with about 115 participants), facebook live and live streaming at the college website.



Before starting the formal speech by the resource person, a short introduction and inauguration session was accomplished, where Mr. Nilam Jyoti Dutta, co-ordinator of the webinar, addressed the purpose of the same and introduced the resource person with the participants. Then the program was formally inaugurated by Dr. Dhruva Chakraborty, principal, B. N. College, Dhubri.



In the webinar, Dr. Moulick started his speech with the importance of computer simulation in Physics. Later he mainly talked on finding Numerical solution of the Heat diffusion equation and Laplace equation, using a finite difference approach. In his presentation, he had used python code to solve the above mention equations in one and two dimensions. He had provided the live demonstration of running the respective codes. The formal speech was ended with a lively interaction session of about half an hour. At last, the webinar was ended with the formal vote of thanks from Dr. Hiten Sarma, head of the department of the college.

As the convenor of the webinar, I would like to appreciate the technical helps received from the technical team, specially Bappa, during the whole webinar. Last but not least, I would also like to thank all the members of the physics department of the college, respected Principal Sir, co-ordinator IQAC, Dr. SenGupta maam, for their help and motivation.

Convenor,  
Mr. N. J. Dutta  
Career Counselling Cell,  
B. N. College, Dhubri



# National Level Webinar

on

## Physics via Computer Simulation

Organised by :  
Department of Physics,  
B. N. College, Dhubri



Date and Time: 28-06-2020, From 11.00 AM to 12.30 PM

Registration link : <http://bncollege.co.in/nlw.php>

### Who can join?

Students pursuing TDC in Physics,  
and interested faculties of Physics  
may also join



### Hurry up !!!

Only limited seats are  
available.

All the participants will be  
provided with  
e –certificate after  
submission of the feedback



### Resource person

**Dr. Rakesh Moulick,**  
Assistant Professor,  
Department of Physics  
School of chemical engineering  
and physical sciences  
Lovely Professional University  
Phagwara, Punjab 144411, India

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