Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

Empowered Autonomous Institution

Department of Physics and Electronics

A) A Summary Report of the Activity

1) Title of Programme:		Lightning Talks Competition on the occasion of "International Day of Photonics – 2026"		
2) Name of Organizing Department/ Unit:		Department of Physics and Electronics		
3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme:		Chief Organizer: Dr Mahadev Gavhane Joint Organizer: Dr Abhijit Yadav Convener: Miss Mayuri Hawaldar Organizing Secretory: Miss Vishakha Patil		
4) Date(s) of the Programme:		Wednesday, October 21, 2026 at 12:30 PM		
5) Venue/Mode:		Photonics Laboratory		
6) Target Group:		UG and PG Students of Arts, Commerce, Science, B.Voc., IT, and BT Faculties		
7) Number of Participants:		Male	Female	Total
A separate list with signatures be maintained in the department/Unit)	Teaching	03	06	09
	Non-Teaching	03	--	03
	Students	12	19	31
8) Name(s) and details of Examiner (s), if any:		Departmental Faculty Members, Department of Physics and Electronics, Rajarshi Shahu Mahavidyalaya, Latur		
9) Total Expenditure for the Programme:		₹1000		
10) Source of Funding:		Rajarshi Shahu Mahavidyalaya, Latur		

B) Report

i. Title: Lightning Talks Competition organized on the occasion of the Celebration of International Day of Photonics – 2026.

Theme: "How Photonics Impacts Daily Life".

ii. Introduction

The International Day of Photonics is celebrated globally to promote awareness of light-based technologies and their transformative impact on human society. Photonics-the science and technology of generating, controlling, and detecting photons-serves as the backbone of modern telecommunications, optical sensing, medical diagnostics, manufacturing lasers, renewable energy, and quantum computing. To mark International Day of Photonics 2026, the Department of Physics and Electronics organized an engaging 'Lightning Talks Competition' on Wednesday, October 21, 2026 at 12:30 PM in Photonics Laboratory. The event provided an interactive platform for UG and PG students to articulate the principles and practical applications of photonics in daily life through concise, high-impact five-minute oral presentations.

iii. Objectives of the Lightning Talks Competition

- To create widespread awareness among students regarding the significance of International Day of Photonics and optics research.
- To foster conceptual understanding of light generation, polarization, laser physics, fiber optic communication, and photonic devices.
- To cultivate extemporaneous public speaking, time management, and scientific communication skills among science and interdisciplinary students.
- To bridge theoretical optics concepts learned in academic curricula with real-world technological innovations in health, space, and communications.

iv. Details of Participants

31 (Male 12 and Female 19) students successfully presented lightning talks.

v. Brief Summary of Events/ Sessions

The lightning talks competition commenced at 12:30 PM in Photonics Laboratory under the presidential leadership of Principal Dr Mahadev Gavhane and HoD Dr Abhijit Yadav. Miss Mayuri Hawaldar coordinated student registrations. Each participant was allotted five minutes to present their topic, evaluated on scientific content, clarity of expression, time adherence, and real-world relevance.

The 31 student presentations in the lightning talks competition covered four major thematic areas in optics and photonics: fundamental light phenomena and wave

optics, laser physics and applications, fiber optics and optical communication, and advanced photonic devices, sensors, and quantum optics. The presentations explored concepts such as polarization, interference, diffraction, coherence, laser operation, optical communication systems, optical sensors, quantum photonics, and gravitational wave detection using LIGO. Practical applications of lasers in medicine, industry, security, and space were also highlighted. The competition provided students with a platform to demonstrate their scientific knowledge, presentation skills, and understanding of emerging photonic technologies.

The smooth conduction of the lightning talks competition was supported by faculty members and staff including Prof. Vishakha Patil, Prof. Mayuri Hawaldar, Prof. Harshada Nalge, Prof. Harshad Dalve, Prof. Rupali Katkar, Prof. Mahesh Balwade, Prof. Pratiksha Karpe, Dr. Shilpa Patange, Shri Amar Boinwad, Shri Rajkumar Lokhande, and Shri Shyam Chochande. The winners of the lightning talks competition were

Name	Title	Rank
Rushikesh S. Burbure	Properties of Light	I
Samiksha Patil	Quantum Photonics	II
Sneha Birajdar	Types of Lasers	III

vi. Conclusion, with Feedback

The Lightning Talks Competition successfully commemorated the International Day of Photonics 2026 by providing a vibrant platform for 31 student speakers. Participants demonstrated commendable scientific clarity, confidence, and enthusiasm within the strict 5-minute presentation format. Faculty feedback highlighted that such short-format competitions effectively enhance presentation skills, critical thinking, and student appreciation of light-based technologies.

vii. Any Appendix If Necessary

List of participants.

Place: Latur

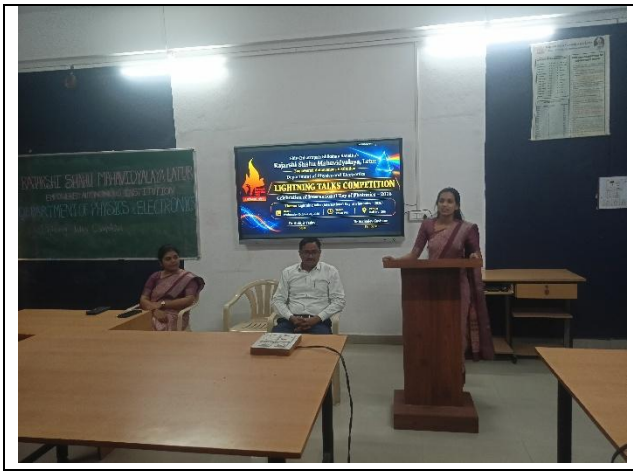
Date: 22/10/2026

HoD
HEAD
Department of Physics & Eleotronics
Rajarshi Shahu Mahavidyalaya,Latur
(Autonomous)

RAJARSHI SHAHU MAHAVIDYALAYA (AUTONOMOUS) LATUR

Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

C) Photographs:

<table>
<tr><td></td><td></td></tr>
<tr><td>Miss Mayuri Hawaldar delivering the concept note.</td><td>Participants of the Lightning Talks Competition</td></tr>
<tr><td></td><td></td></tr>
<tr><td>Miss Samiksha Patil speaking on the topic “Quantum Photonics.”</td><td>Mr Sumit Zambare speaking on the theme “Coherence”</td></tr>
<tr><td></td><td></td></tr>
<tr><td>Dr Abhijit Yadav delivering the presidenatial address</td><td>Miss Vishakha Patil expressing Vote of thanks</td></tr>
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Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Empowered Autonomous Institution)

Department of Physics and Electronics

स्थापना - १९७०

Lightning talks (International Day of Photonics – 2026)

Date: Time: 12.30 PM

Sr. No.	Name	Gender	Class	Signature
1.	Burbure Rushikesh S.	M	M.Sc. I	
2.	Kalshetti Santosh J.	M	M.Sc I	Santosh
3.	Charan Bhairy D.	M	M.Sc I	
4.	Makude Kartikay R.	M	M.Sc I	
5.	Salunke Rameshwar G.	M	MSc I	
6.	Zambare Sumit M.	M	BSc Ist	
7.	Dalve Sachin V.	M	BSc III	
8.	Kadam Ajay Balaji	M	B.Sc III	B. Kadam.
9.	Landge Mahesh Pandhari	M	B.Sc III	
10.	Pathan Zainulabed Rashid	M	BSc I	
11.	Shaikh Md. Zaid Sharif A.	M	BSc I	
12.	Pedate Rushikesh pratap.	M.	BSc I.	
13.	Patil Samiksha Sanjay	F	BSc I	Samiksha
14.	Sayyed Misbah Taher	F	BSc Ty	
15.	Beste Maheshwari Parmeshwar	F	BSc TY	
16.	Dhanve Sakshi Vaijanath	F	BSc TY	
17.	Momin Ayesha Rajak	F	B.Sc.(TY)	
18.	Kale Ishwari shivraj	F	B.Sc Ist	
19.	Maske Shraddha Vinayak	F	B.Sc Ist	
20.	Kapse Prajkta Rajesh	F	MSc I	
21.	Birajdar Ashwini Dnyanoba	F	M.Sc I	

22.	Shruti ganesh pawar	F	MSc-I	Shruti
23.	Gayatri Raju Gore	F	MSC-I	Gayatri
24.	Shweta Shankar Zipre	F	MSC-I	Shweta
25.	Trupti R. Wangwad	F	MSc I	Trupti
26.	Maske Prerna Tukaram	f	M.Sc I	Prerna
27.	Birle Aditi Ankush	f	BSc III rd yr.	Aditi
28.	Birajdar Sneha Anil	F	M.Sc II nd y	Sneha
29.	Deshmukh Suhani Vaijnath	F	M.Sc II nd y	Suhani
30.	Sarge Bhagyashri Laxman	F	M.Sc II	Bhagyashri
31.	Usturge Prachi Sudhir	F	B.Sc.III.	Prachi
32.				
33.			M – 12	
34.			F – 19	
35.			T – 31	
36.				
37.				
38.				
39.				

HOD

HEAD
Department of Physics & Electronics
Rajarshi Shahu Mahavidyalaya,Latur
(Autonomous)

Principal

PRINCIPAL
Rajarshi Shahu Mahavidyalaya Latur
(Autonomous)

RAJARSHI SHAHU MAHAVIDYALAYA (AUTONOMOUS) ★LATUR★