



Shiv Chhatrapati Shikshan Sanstha's  
**Rajarshi Shahu Mahavidyalaya, Latur**  
(Autonomous)

Department of Physics and Electronics

Achievements- 2021-22

Sr. No.	Particulars	Date
1	One Week Online Faculty Development Program (FDP) On Photonics	20/09/2021 to 24/09/2021
2	Guest Lecture on Laser and Its Applications by Prin. Dr. Ravindra Kathare, Karmveer Mamasahab Jagdale College, Washi.	08/09/2021
3	National Workshop on Strategies to Crack Down Competitive Exams in Physical Sciences (Resource Person: Mr. Mayank Sharma, Institute for Advanced Studies, Pune)	26/02/2022
4	Poster Presentation Competition, Theme: Integrated Approach in S & T for Sustainable Future	17/03/2022
5	RAMAN TEST (National Science Day)	27/03/2022
6	Poster Presentation Competition Theme: Atomic and Molecular Physics	07/04/2022
7	Guest Lecture on "Understanding the Universe with Scientific Temper" Under Scientist - Students interaction by Dr. Santosh Takale, Sr. Scientist, BARC Mumbai	28/04/2022

  
HoD  
**HEAD**

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



  
Principal  
**PRINCIPAL**

Rajarshi Shahu Mahavidyalaya, Latur  
(Autonomous)

## Patrons

### Hon. Dr. Gopalrao Patil

President, Shiv Chhatrapati Shikshan Sanstha (SCSS), Latur

### Hon. Prin. Aniruddha Jadhav

Secretary, SCSS, Latur

### Dr Ravsaheb Kavle

Member, SCSS, Latur

## Advisory Committee

### Dr G.N. Shinde, Principal, Yashwant

Mahavidyalaya, Nanded

### Dr Rajaram Mane, Director, IIC, SRTM

University, Nanded

### Dr M.K. Patil, Director, School of Physical

Sciences, SRTM University, Nanded

### Dr A.C. Kumbharkhane, Professor,

School of Physical Sciences, SRTMU, Nanded

### Dr Vikas Patil, Professor, School of

Physical Sciences, Solapur University.

## Organizing Committee

### Chief Organizer and FDP Director

### Dr. Mahadev Gavhane, Principal

### Joint Organizer

### Dr. A. J. Raju, Vice-Principal

### Shri S. N. Shinde, Vice-Principal

### FDP Coordinator

### Dr Abhijit Yadav, HoD Physics

## Members

### Dr Dayanand Raje

### Dr. Mahesh Wavare

### Prof. Dhananjay Palke

### Dr Renuka Londhe

### Mr. Swapnil Undalkar

### Mr. M. B. Kumbhar

## Registration

- No Registration Fee
- Registration Link:  
<https://atalacademy.aicte-india.org/signup>
- Or <https://www.aicte-india.org/atal>
- For portal guide about registration process click <https://atalacademy.aicte-india.org/assets/data/portalFlowParticipation.pdf>

## Join telegram group

<https://t.me/joinchat/Ihj5Jxq7kPzNzVJ1gNURdQ>

## Targeted Participants

The faculty members from Physics, Electronics, Chemistry, Electronics Engineering, Communication Engineering and other branches of Engineering of the AICTE /UGC approved institutions, research scholars, PG, Scholars, participants from Government, Industry and staff of host institutions.

## Registration Details

The number of participants is limited to 200 and the selection is based on first come - first serve basis

## Important Dates

**Last Date for Registration: 17.09.2021**

**Intimation of Acceptance: 18.09.2021**

(Via e-mail)



**Shiv Chhatrapati Shikshan Sanstha's  
Rajarshi Shahu Mahavidyalaya  
(Autonomous), Latur**

## Organizes

**AICTE Training and Learning  
(ATAL) Academy Sponsored  
One Week Online Faculty  
Development Program (FDP)**

**On**

**Photonics**

**20<sup>th</sup> to 24<sup>th</sup> September 2021**



## Organized by

Department of Physics, Electronics &  
Photonics and IQAC

Rajarshi Shahu Mahavidyalaya  
(Autonomous), Latur (M.S.)

[www.shahucollegeLatur.org.in/](http://www.shahucollegeLatur.org.in/)

## About the College

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, with 'Pursuit of Excellence' as its mission established in 1970 by Shiv Chhatrapati Shikshan Sanstha, being a multi faculty college is affiliated to Swami Ramanand Teerth Marathwada University, Nanded. The Govt. of Maharashtra honoured us with 'Ideal Educational Institute' award in 2000. The college is accredited by NAAC for III cycle and received B++ Grade with CGPA 2.99. College has bagged rank in rank band 101 to 150 in NIRF-2017 ranking. College is certified with ISO 9001:2015 (QMS). Also college has bagged Best College Award from Parent University. The college has UGC-CPE-status, DST-FIST support.

## About the Department

Department of Physics was established in the academic year 1971-72. The Department is running B.Sc. with Physics and Electronics as one of the optional subjects and M.Sc. Physics with specialization Photonics. From 2006-07 the department was recognized as star department under UGC's CPE scheme and DST-FIST

sponsored department from the year 2014-15. From the year 2017-18 CBCS pattern has been implemented. At PG level the department is offering courses related with Optics, Laser, Fiber Optics, Photonic Devices and Sensors, Thin Film and Nanotechnology, Industrial Phonic Engineering. The department recognized as research centre in Physics by Parent University. One faculty from the department has been awarded DST-FAST Track Scheme for Young Scientist with a project worth Rs. 24.55 Lakh. The faculties of the department have completed 01 Major and 05 Minor Research projects sponsored by UGC, 01 Major Research project sponsored by DST. The research output has been reflected in terms of 165 papers in highly reputed international journals.

## About the FDP

The AICTE sponsored FDP on Photonics (Active Learning in Optics and Photonics) aims to better equip college teachers to teach optics in the introductory physics course. The FDP will be conducted online through Zoom or other similar platform.

- **Time 10.00 A.M to 5.00 P.M.**
- **Participants will receive an e-Certificate after attending all Five days of Programme, submission of Feedback form and attending examination on the final day of the programme.**

## Objectives of the FDP

This FDP is designed especially for the faculty members, research Scholars and PG Scholars to acquire their skills in the field of Geometrical Optics, Atmospheric Optics, optical fibres, Optical Data Transmission, Wavelength Division Multiplexing etc.

## Address for correspondence

**Dr Abhijit Yadav,**

**FDP Coordinator,** Rajarshi Shahu Mahavidyalaya (Autonomous), Latur (Maharashtra)

Mobile: 9975213852, 8999358206

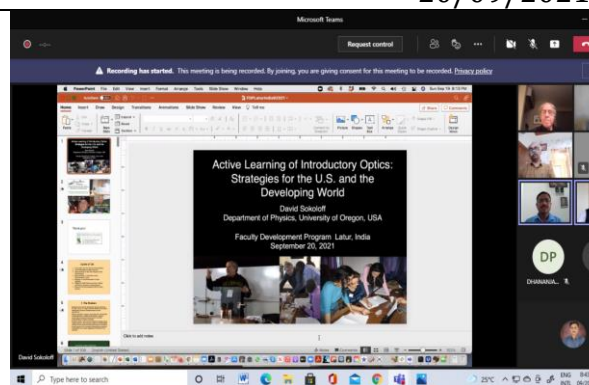
Email aayisro@gmail.com  
aay\_physics@yahoo.co.in

## Important Note:

**This FDP is applicable for CAS promotions as per the gazette.**

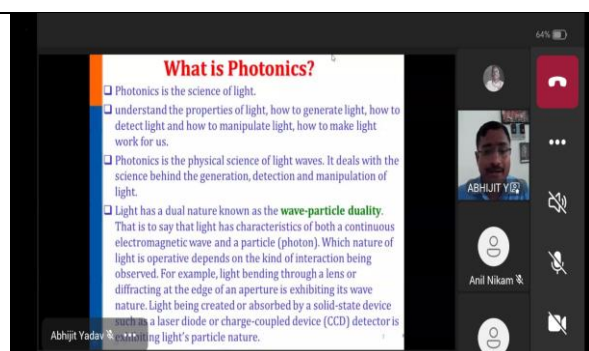
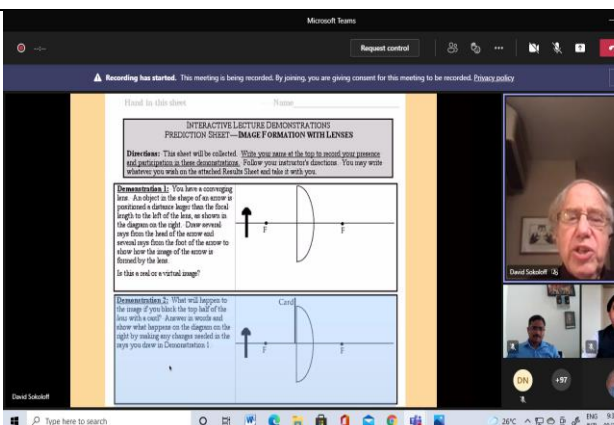


## One Week Online Faculty Development Program (FDP) On Photonics during 20/09/2021 to 24/09/2021



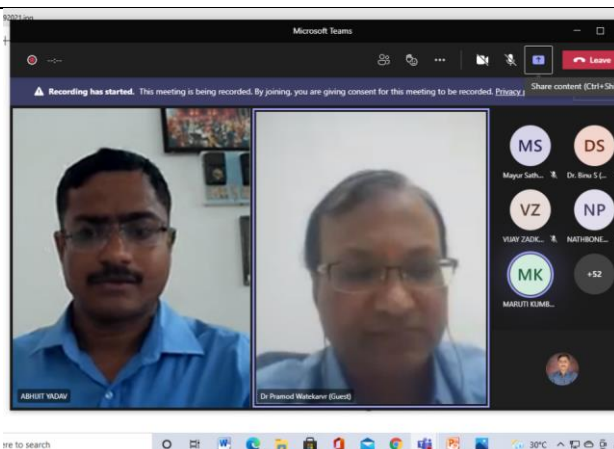
**Inaugural Function :** Chairperson Principal Anirudh Jadhav, Secretary, Shiv Chhatrapati Shikshan Sanstha, Latur; Chief Guest Dr David R. Sokoloff, Professor of Physics, University of Oregon, USA and UNESCO International Resource Person; Director of FDP Dr Mahadev Gavhane, Coordinator of FDP Dr Abhijit Yadav, Vice-Principal Dr A J Raju and Prof S.N. Shinde

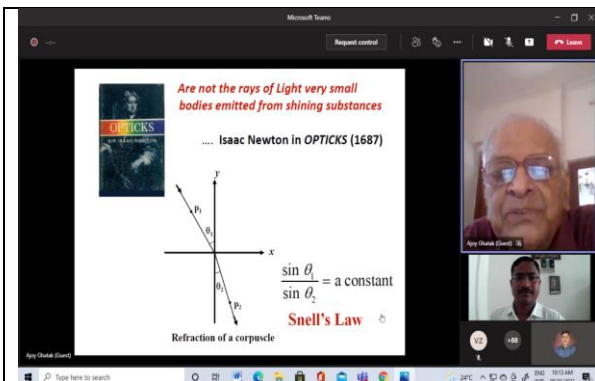
**Session I : Active Learning of Introductory Optics: Strategies for the U.S. and the Developing World**  
Dr David R. Sokoloff Professor of Physics, University of Oregon, USA



**Session II : Introduction to Photonics**  
Dr Abhijit Yadav, Rajarshi Shahu Mahavidyalaya (Autonomous) Latur

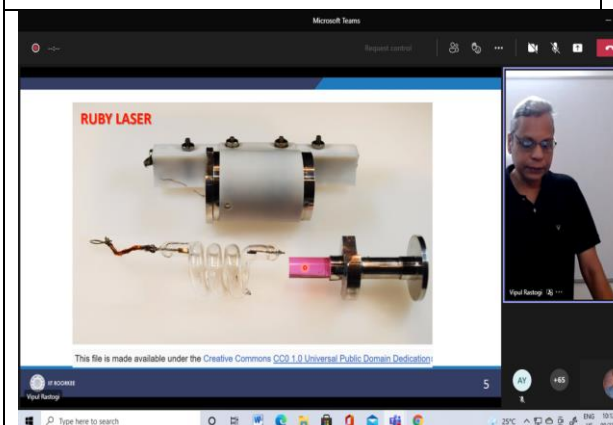
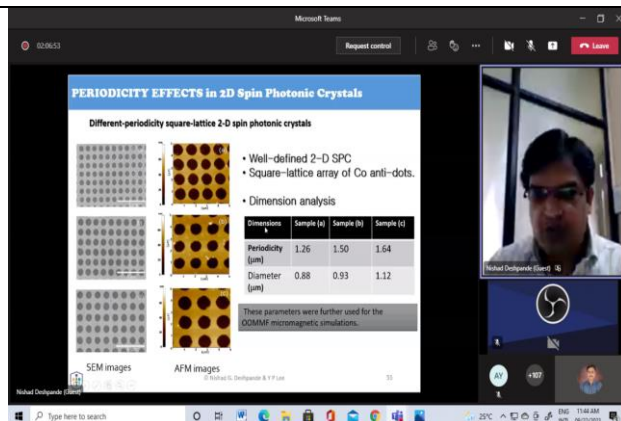
**Session III: Introduction to Optical Fiber Manufacturing**  
Dr Pramod Watekar, Sterlite Technologies Limited





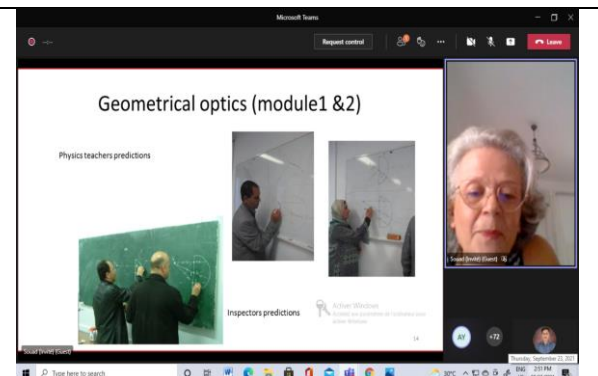
Session IV: What is light and evolution of quantum theory?  
Professor Ajoy Ghatak, Former Professor at IIT Delhi, NASI Meghnad Saha Distinguished Professor

Session VII: Materials for Advanced Devices based on Photonics  
Dr Nishad Deshpande, Indian Institute of Information Technology, Surat



Session X: Photonics: Fundamentals and Applications  
Dr Vipul Rastogi, Professor of Physics, IIT, Roorkee

Session XII : Active Learning in Developing Countries: Some Examples in Teaching Optics Professor, Souad Lahmar, Institut Préparatoire aux Etudes Scientifiques et Techniques, Tunisia

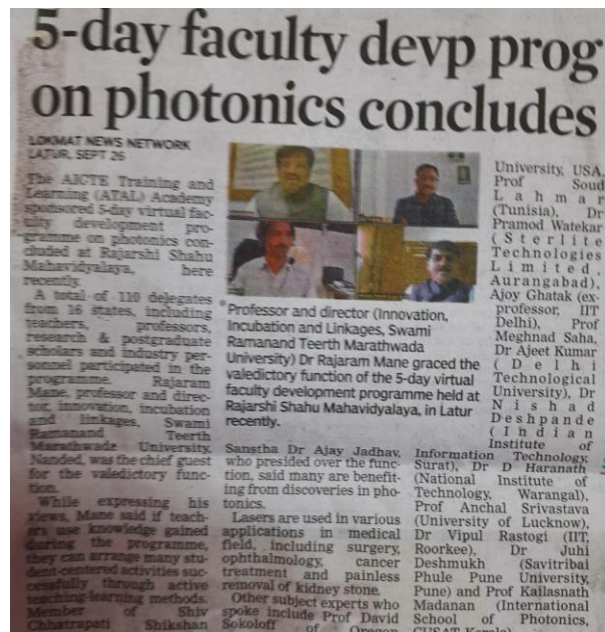
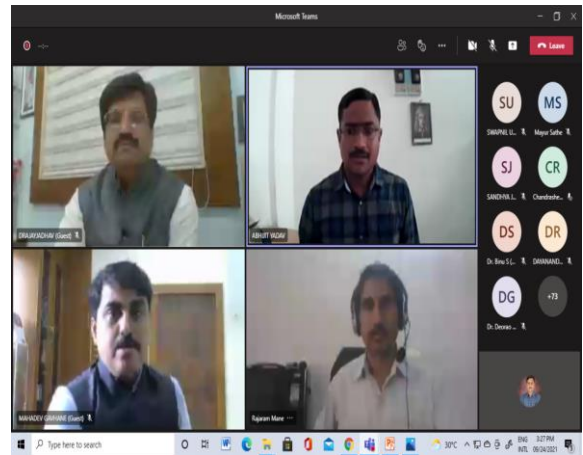




## Session XIII : Microlasers for Sensing Applications

Prof Kailasnath Madanan, International School of Photonics, CUSAT, Kerala

Valedictory function: Chairperson Dr Ajay Jadhav, Member, Shiv Chhatrapati Shikshan Sanstha, Latur; and Chief Guest Dr Rajaram Mane, Professor and Director, Innovation, Incubation and Linkages, SRTM, University, Nanded, India. Director of FDP Dr Mahadev Gavhane, Coordinator of FDP Dr Abhijit Yadav,



## लोकमत

### कृतिशील अध्यापनामुळे ज्ञान, कौशल्यात वाढ

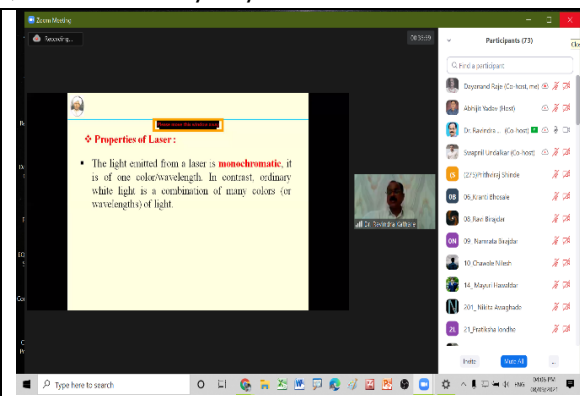
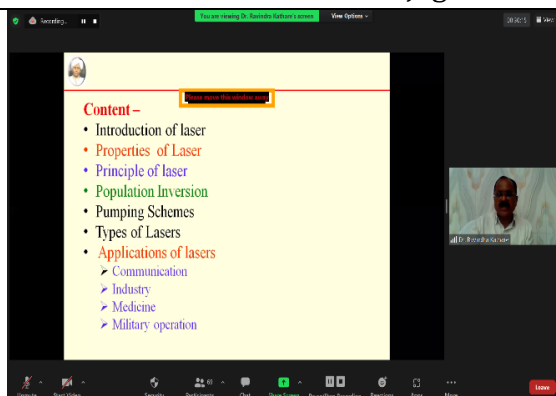
#### शिविर : डॉ. राजाराम माने यांचे प्रतिपादन

लोकमत न्यूज नेटवर्क  
लातूर : सक्रिय शिक्षण पद्धतीद्वारे कृतिशील अभ्यास आणि समाजोपयोगी अध्यापन कौशल्य आत्मसात करण्याकरिता शिक्षक व प्राध्यापक विकास प्रशिक्षण कार्यक्रम महत्वाचे ठरू शकतात, असे प्रतिपादन डॉ. राजाराम माने यांनी येथे केले.

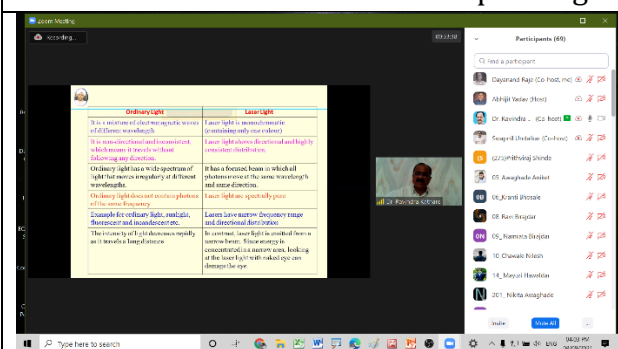
राजर्षी शाहू महाविद्यालय, एआयसीटीई आणि अटल अकादमी यांच्या संयुक्त विद्यमाने आयोजित फोटॉनिक्स विषयावरील ऑनलाईन प्रशिक्षण शिबिराच्या समारोपप्रसंगी ते बोलत होते. अध्यक्षस्थानी शिव छत्रपती शिक्षण संस्थेचे सदस्य डॉ. अजय जाधव होते. मंचावर प्राचार्य डॉ. महादेव गव्हाणे, डॉ. ए. जे. राजू, प्रा. सदाशिव शिंदे यांची उपस्थिती होती. डॉ. अजय जाधव म्हणाले, विद्यार्थी हा शिक्षण व्यवस्थेचा आत्मा आहे. विद्यार्थ्यांच्या इच्छित ज्ञानवृद्धीसाठी शिक्षकांच्या अध्यापन पद्धतीमध्ये काळानुरूप बदल होत राहणे आवश्यक आहे. शिबिराचे उद्घाटन डॉ. डेव्हिड सोकोलोफ, ओरेगॉन विद्यापीठ यांच्या हस्ते करण्यात आले. शिबिरात डॉ. सुवाद लेहमार, डॉ. कैलासनाथ मदनान कोची, डॉ. निषाद देशपांडे, डॉ. डी. हरनाथ, डॉ. अंचल श्रीवास्तव, डॉ. अर्जुन घटक, डॉ. जुही देशमुख, डॉ. प्रमोद वाटेकर, डॉ. विपुल रस्तोगी, डॉ. अजित कुमार यांनी मार्गदर्शन केले. यावेळी डॉ. अभिजित यादव, डॉ. दयानंद राजे, प्रा. स्वप्निल उडकाकर, प्रा. मारोती कुंभार, प्रा. अतुल मोरे, प्रा. विजय झाडके, प्रा. अक्षय मुंगळे, प्रा. धनंजय पालके, डॉ. महेश वाकर, डॉ. रेणुका लोंढे उपस्थित होते.



## Guest Lecture on Laser and Its Applications by Prin. Dr. Ravindra Kathare, Karmveer Mamasahab Jagdale College, Washi on 08/09/2021



### Dr R.V. Kathare explaining important properties of lasers



### Participants during the guest lecture

### Dr R.V. Kathare explaining applications of lasers

## Rajarshi Shahu Mahavidyalaya (Autonomous), Latur(MS)

**Department of Physics and Electronics**

### PSA (Physics Students Association) 2021-22

### Inaugural Function & Guest Lecture on “LASER and its Applications”

**Date: 8<sup>th</sup> Sept.2021 ;      Time: 3.30 pm ;      Meet Via: Zoom**

**Chairperson : Prin. Dr. Mahadev Gavhane**  
**Resource Person : Prin. Dr. Ravindra Kathare**  
 (KMJ Mahavidyalaya, Washi)

**Dr. D.V. Raje**  
Director

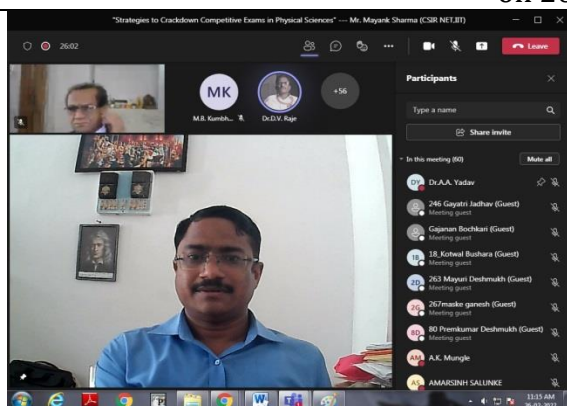
**Dr. A.A. Yadav**  
IQAC Coordinator & HoD

**Prof. S. N. Shinde**  
Vice-Principal

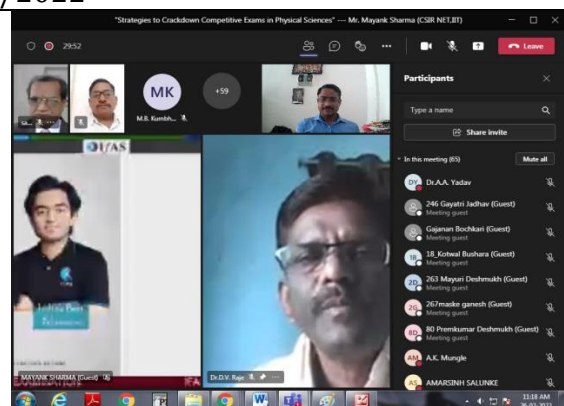
**Dr. A. J. Raju**  
Vice-Principal

**Dr . M.H. Gavhane**  
Principal

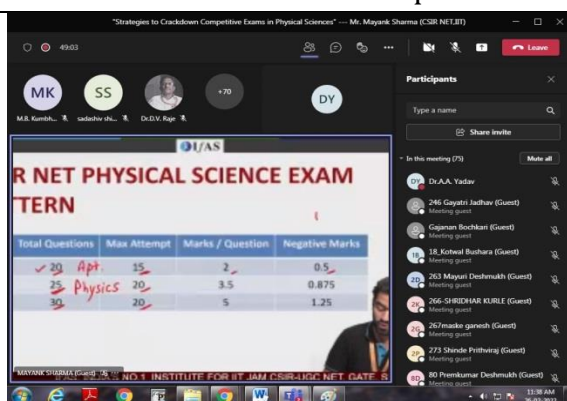
## National Workshop on Strategies to Crack Down Competitive Exams in Physical Sciences on 26/02/2022



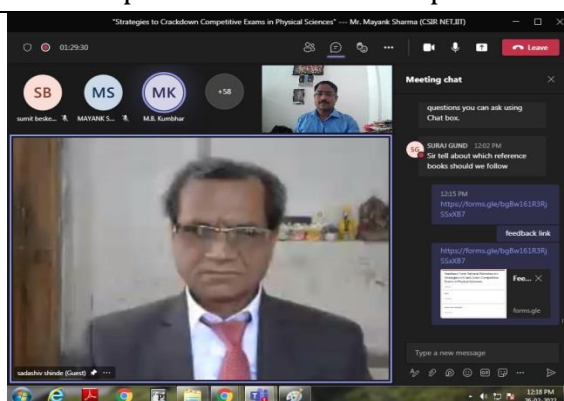
Dr Abhijit Yadav delivering the concept note of the workshop.



Dr Dayanand Raje introducing the Resource person of the workshop.



Resource Person Mr. Mayank Sharma, Institute for Advanced Studies, Pune explaining strategies to Crack Down Competitive Exams in Physical Sciences



Vice Principal Prof Sadashiv Shinde delivering the presidential address of the workshop.

Shiv Chhatrapati Shikshan Sanstha's

**RAJARSHI SHAHU MAHAVIDYALAYA  
(AUTONOMOUS), LATUR**  
 Dist. Latur 413 512 (MS., India)

**DEPARTMENT OF PHYSICS**  
 ORGANIZES NATIONAL WORKSHOP ON  
**"STRATEGIES TO CRACKDOWN COMPETITIVE  
EXAMS IN PHYSICAL SCIENCES"**  
 IN ASSOCIATION WITH  
**INSTITUTE FOR ADVANCED STUDIES, PUNE**

**Resource Person**

**Mr. Mayank Sharma**  
CSIR NET, IIT

**Chief Organizer**  
Dr. Mahadev Gavhane  
Principal

**Joint Chief Organizer**  
Prof S. N. Shinde  
Vice Principal & Head Department of Botany

**Organising Committee**

**Convener**  
Dr. Abhijit Yadav  
IQAC, Coordinator & HoD, Physics

**Organizing Secretary**  
Dr. Dayanand Raje  
Assistant Professor

**Members**

Dr. Mahesh Wavare  
Chief Co-ordinator

Dr. Dhananjay Palke  
PG Co-ordinator (Science Faculty)

Mr. Swapnil Undalkar  
Assistant Professor

Mr. Maruti Kumbhar  
Assistant Professor

Mr. Akshay Mungale  
Assistant Professor

Mr. Vijay Zadke  
Assistant Professor

Mrs. R. R. Katkar  
Assistant Professor

JOIN WITH US :  
**SAT, 26<sup>TH</sup> FEB.** **11:00 AM**

page- 8  
27 Feb 2022

**पुरोगामी विचाराचे  
एकमत**

**» फास्ट न्यूज**

**भौतिकशास्त्र विभागात नेट,  
सेट कार्यशाळा उत्साहात**

लातूर : येथील राजर्षी शाहू महाविद्यालयात भौतिकशास्त्र विभाग आणि प्रगत अभ्यास संस्थेने पुणे यांच्या संयुक्त विद्यमाने विद्यार्थ्यांसाठी नेट, सेट परीक्षेसंदर्भात राष्ट्रीय कार्यशाळेचे आयोजन करण्यात आले होते. या कार्यशाळेसाठी साधनव्यक्ती म्हणून पुणे येथील प्रगत अभ्यास संस्थेचे मर्यादक शर्मा यांचे मार्गदर्शन लाभले. अध्यक्षस्थानी उपप्राचार्य प्रा. सपुशिव शिंदे होते. प्रास्ताविक डॉ. अभिजित यादव यांनी केले. पातळण्याचा परिचय डॉ. दयानंद राजे यांनी करून दिला. आभार प्रदर्शन प्रा. स्वप्नील कुंडाळकर यांनी तर सूत्रसंचालन प्रा. माहवी कुंभार यांनी केले. कार्यशाळेसाठी महाविद्यालयातील डॉ. महेश वाघरे, डॉ. धनंजय पालके, प्रा. अश्वय मुंभडे, प्रा. विनय झाडके, प्रा. रुपांती काटकर उपस्थित होते.



## Poster Presentation Competition, Theme: Integrated Approach in S & T for Sustainable Future on 17/03/2022



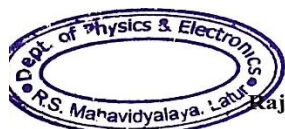
Dr. M.H. Gavhane (Principal), Prof. S.N. Shinde (Vice-Principal) during Poster Presentation Competition



Inauguration of Poster Presentation Competition



Students during Poster Presentation Competition



**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

**Department of Physics and Electronics**

### Notice

**Date: 17/02/2022**

All the students of B.Sc. I, II, III and M.Sc. I, II year are hereby informed that, on the occasion of National Science Day 'Poster Presentation Program' has organized by the department on 17/03/2022 at 09.30 a.m. Interested students should register their names towards Dr. D.V. Raje (9822251052)

**Theme of the Poster :** Integrated Approach in science and technology for Sustainable Future

**Poster Size :** (2 x 3 feet) Horizontal Sheet

**Venue :** Department of Physics and Electronics

*(Signature)*  
HOD

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

## RAMAN TEST (National Science Day) on 27/03/2022



Students appearing the RAMAN Test



Poster Presentation Competition Theme: Atomic and Molecular Physics on 07/04/2022



Glimpses on Poster Presentation Competition

Students presented their ideas

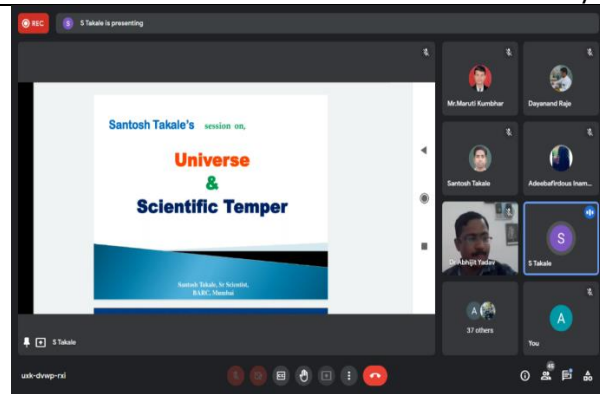


Students presented their ideas



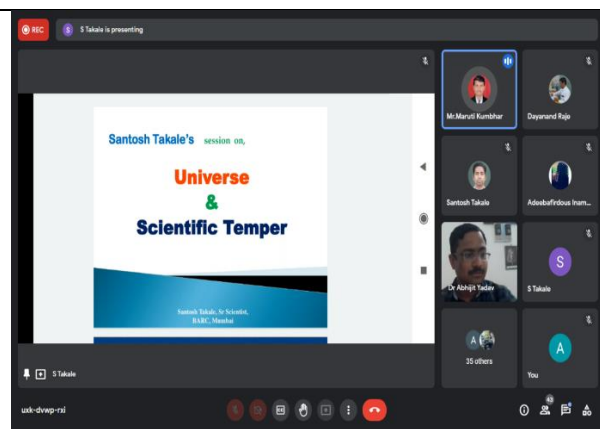
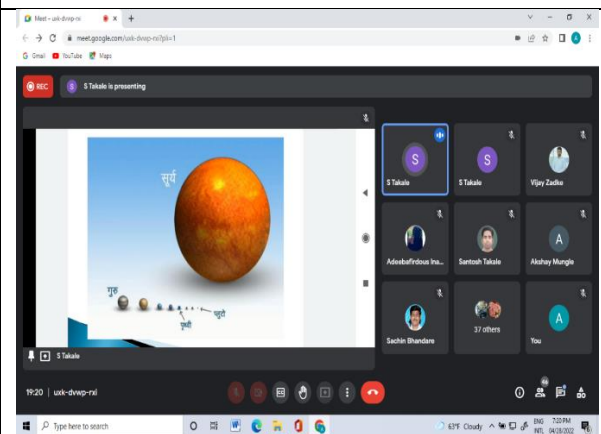


Guest Lecture on "Understanding the Universe with Scientific Temper" Under Scientist on 28/04/2022



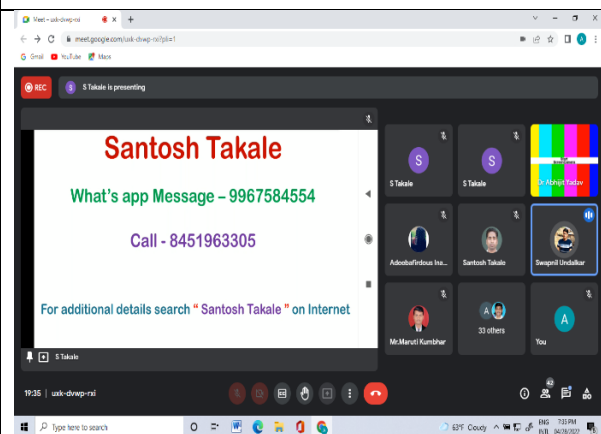
Dr. Santosh Takale, Sr. Scientist, BARC Mumbai delivering guest lecture

Dr. Santosh Takale, Sr. Scientist, BARC Mumbai discussing science behind solar system.



Participants during interaction with Dr. Santosh Takale, Sr. Scientist, BARC Mumbai

Prof Swapnil Undalkar proposing vote of thanks.





Shiv Chhatrapati Shikshan Sanstha's  
**Rajarshi Shahu Mahavidyalaya (Autonomous), Latur**

(NAAC Accredited (Third Cycle) B" Grade with CGPA 2.99, Best College (Urban Area) Award 2021 by University)

**Department of Physics and Electronics**

**Organizes**

**Guest Lecture**

**on**

**"Understanding the Universe with Scientific Temper"**

**Under Scientist - Students Interaction Program**

**Date : 28-04-2022 (Thursday)**

**Time : : 06.30 to 07.30 pm (Evening)**



**: Speaker :**

**Santosh Takale**

**Sr. Scientist, BARC Mumbai**

<b>Patron</b> <b>Dr. Gopalrao Patil</b> President Shiv Chhatrapati Shikshan Sanstha, Latur	<b>Patron</b> <b>Principal Anirudh Jadhav</b> Secretary Shiv Chhatrapati Shikshan Sanstha, Latur	<b>Chief Organizer</b> <b>Dr. Mahadev Gavhane</b> Principal
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● Mr. Maruti Kumbhar	- Member	● Mr. Atul More	- Member
● Mr. Akshay Mungale	- Member	● Mrs. Rupali Katkar	- Member

**Free Registration**

**Link for Registration:** <https://forms.gle/VtjSM3sEH7eJusxa7>

**Google Meet link to Join:** <https://meet.google.com/uxk-dvwp-rxi>

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