

“Dissemination of Education for Knowledge, Science and Culture”

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur

(Empowered Autonomous)

Full Report on

Under an International MoU between Vivekanand College, Kolhapur, India and Henan University, Kaifeng, China

Guest Lecture on

“Design and Mechanism of Photothermal Soft Actuators and their Applications”

Organized by

Department of Physics and IQAC

On

Day, Date & Time: Monday, 15th July 2024 at 12.00 PM

Submitted by

Dr. Sanjay S. Latthe

Head of the Department,

Department of Physics, Vivekanand College, Kolhapur (Empowered Autonomous)

Submitted to

Internal Quality Assurance Cell (IQAC)

Vivekanand College, Kolhapur (Empowered Autonomous)

(2024 – 25)

Table of Information

Sr. No.	Content	Numbers
01	Total Participants	40
02	Female Students	22
03	Male Students	18

Brochure of the Program



"Dissemination of Education for Knowledge, Science and Culture"

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Vivekanand College, Kolhapur

Empowered Autonomous

(Affiliated to Shivaji University, Kolhapur)



Under an International MoU between Vivekanand College, Kolhapur, India and Henan University, Kaifeng, China

Guest Lecture on

Design and Mechanism of Photothermal Soft Actuators and their Applications

Organized by

Department of Physics in association with IQAC

Day: Monday

Date: 15th July 2024

Time: 12 to 02 PM

Venue: Department of Physics



Dr. Rajaram S. Sutar

Post – Doctoral Fellow

College of Chemistry and Chemical Engineering

Henan University

Kaifeng 475004, China

Organizing Committee

Dr. Shruti Joshi

Dr. Sumayya Inamdar

Mr. Abhijeet Shinde

Dr. Sanjay Latthe

Dr. Namrata Narewadikar

Mr. Avinash Gaikwad

Dr. Ganesh Navathe

Dr. Sarita Kumbhar

Mr. Umesh Bodhgire

HoD

IQAC

Principal

Notice

“Dissemination of Education for Knowledge, Science and Culture”
- Shikshanmaharshi Dr. Bapuji Salunkhe
Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur

(Empowered Autonomous)

Department of Physics

Notice

Date: Friday, 12th July 2024

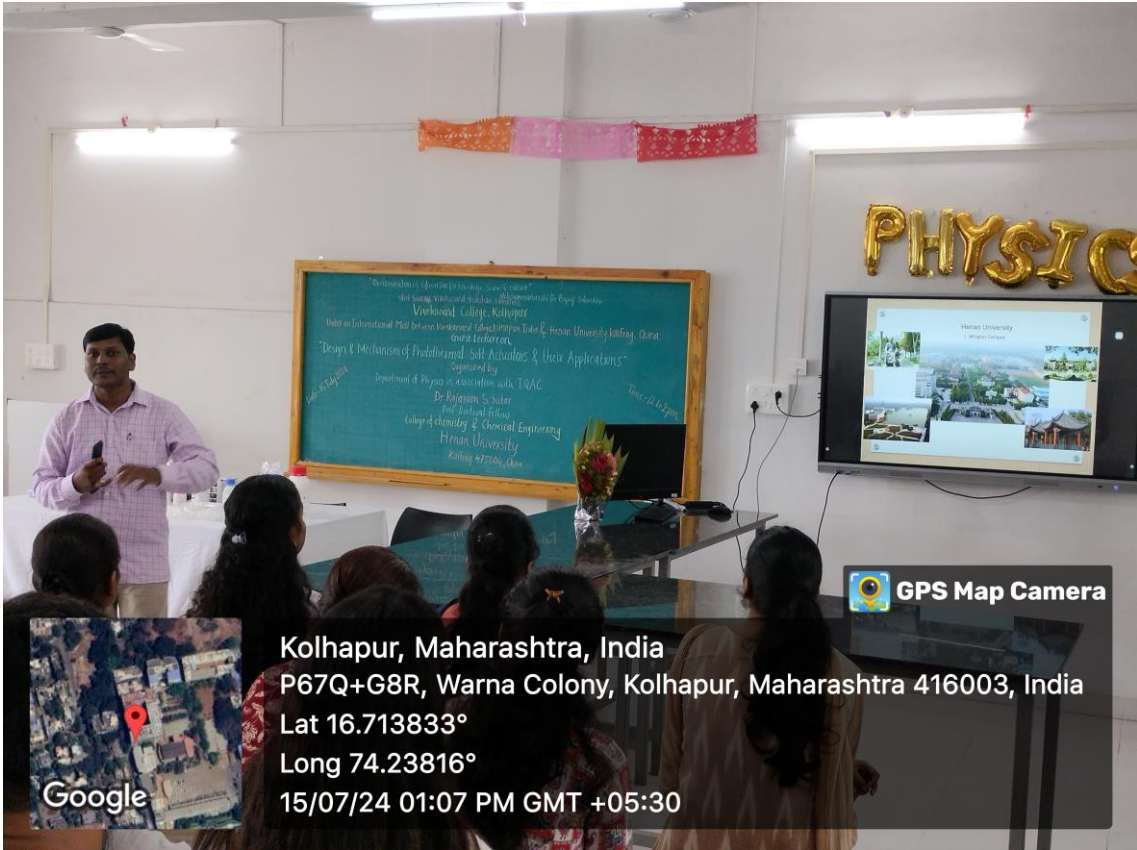
It is hereby informed to all the students of B.Sc. – III, M.Sc.- I and II that a guest lecture on “Design and Mechanism of Photothermal Soft Actuators and their Applications” is organized by Department of Physics on Monday, 15th July 2024 at 12.00 PM. A resource person is Dr. Rajaram S. Sutar, Post – Doctoral Fellow, College of Chemistry and Chemical Engineering Henan University, Kaifeng 475004, China will be delivering the guest lecture. All the students and faculty should present on time. High Tea will be provided at the end of guest lecture.



Dr. Sanjay S. Lathe
HEAD
DEPARTMENT OF PHYSICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

Photographs during the Program

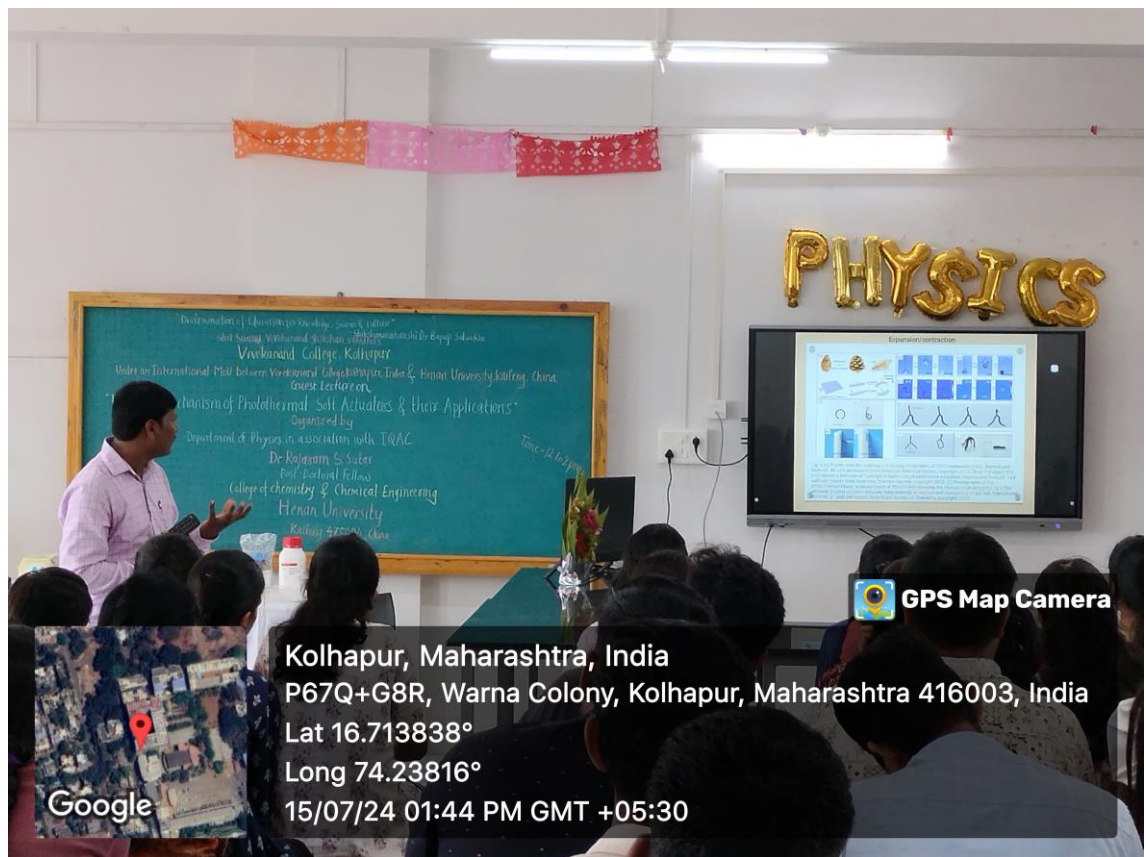
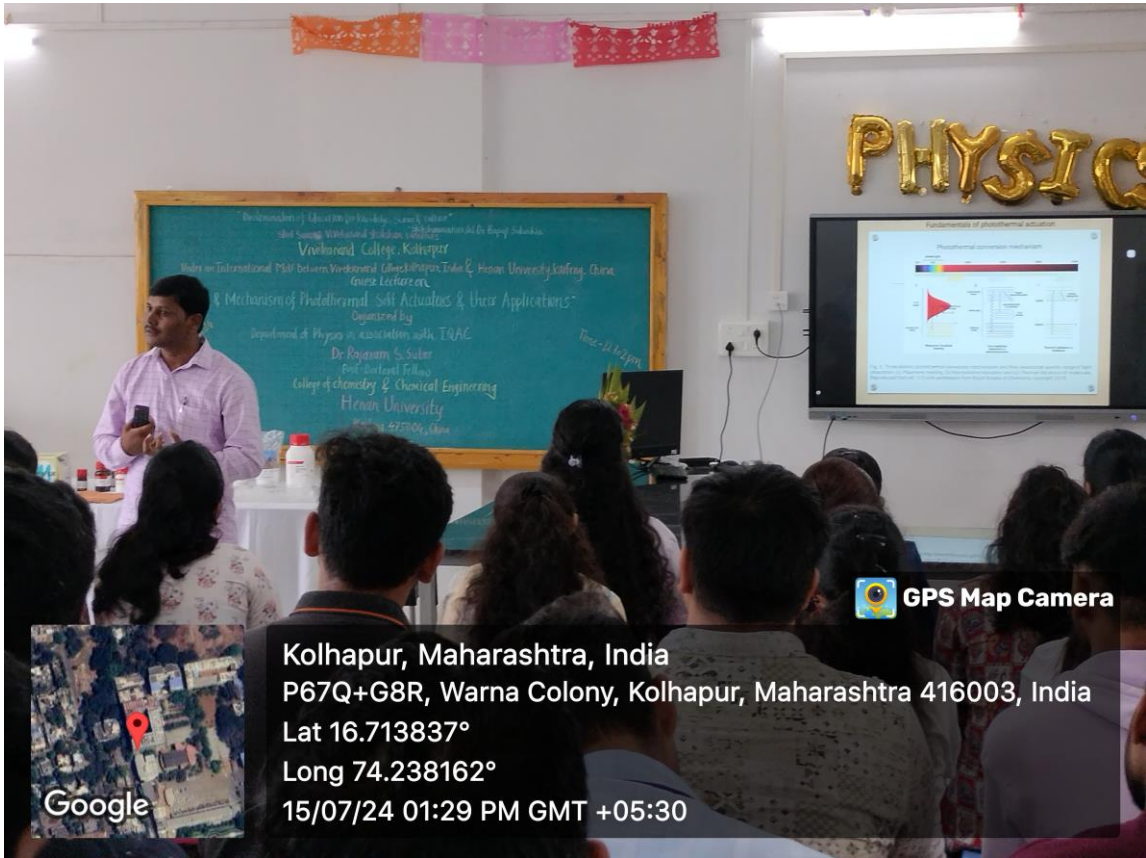




Kolhapur, Maharashtra, India
P67Q+G8R, Warna Colony, Kolhapur, Maharashtra 416003, India
Lat 16.713833°
Long 74.23816°
15/07/24 01:07 PM GMT +05:30



Kolhapur, Maharashtra, India
P67Q+G8R, Warna Colony, Kolhapur, Maharashtra 416003, India
Lat 16.713838°
Long 74.23816°
15/07/24 01:44 PM GMT +05:30







Attendance

“Dissemination of Education for Knowledge, Science and Culture”

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Vivekanand College, Kolhapur

(Empowered Autonomous)

Department of Physics

Guest Lecture on

“Design and Mechanism of Photothermal Soft Actuators and their Applications”

by

Dr. Rajaram S. Sutar

Post – Doctoral Fellow,

College of Chemistry and Chemical Engineering

Henan University, Kaifeng 475004, China

on

Monday, 15th July 2024 at 12.00 PM

Attendance Sheet

Sr. No.	Name of the Student / Staff	Class	Signature
1)	Veena Mahadev Gadikar	M.Sc II	VMG
2)	Sakshi Ramesh Pattanshetti	M.Sc II	Sakshi RP.
3)	Harshada Arun Patil	M.Sc II	Harshada Patil
4)	Aboli Krishna Sutar	M.Sc. II	Aboli
5)	Sanchita Pandurang Desai	M.Sc II	Fesai
6)	Dr. Sanjay S. Latthe	Faculty	S.S.Latthe
7)	Sakshi Raju Bixanje	BSc-Ty	S.R.Bixanje
8)	Ritu R. Nishad	BSc-Ty	R.Nishad
9)	Tanishq - Anil Mude	BSc-Ty	T.Mude
10)	Sahil Chetan Patnekar	B.Sc-Ty	Sahil
11)	Atharv Kariprasad Kognelkar	B.Sc-Ty	Atharv
12)	Mahek S. Jamadar	MSc.-Sy	Mahek
13)	vedaja A. Yadav	M.Sc.-Sy	Yadav

14)	Miss. Rutuja Anil Ekunde	Ph.D.	<u>Ekunde</u>
15)	Mr. Gaikwad Pradip P.	Ph.D.	<u>Gaikwad</u>
16)	Mr. Sagar Sudhakar Ingole.	Ph.D.	<u>Ingole</u>
17)	Khutale Sudarshan Nivas	M.Sc - I	<u>Khutale</u>
18)	Shital Sunil Mohite.	M.Sc - II	<u>Mohite</u>
19)	Vasikundre Punam Arun	M.Sc II	<u>Vasikundre</u>
20)	Tashildas Shivani Namdev	M.Sc II	<u>Namdev</u>
21)	Patil Shivani Prakash.	M.Sc II	<u>Patil</u>
22)	Mulla Aqsa Manoj	M.Sc II	<u>Mulla</u>
23)	Rutuja Raghunath Kamble	M.Sc II	<u>Kamble</u>
24)	Radhika Sunil Panhalkar	M.Sc II	<u>Radhika</u>
25)	Divya Umeshchandra Patil	M.Sc II	<u>Divya Patil</u>
26)	Nupur Sujit Kulkarni	M.Sc II	<u>Nupur Kulkarni</u>
27)	Rutuja Rangatao Patil	M.Sc II	<u>Rutuja Patil</u>
28)	Anurag Bharat Jadhav	M.Sc II	<u>Anurag Jadhav</u>
29)	Ganesh Deepak Bhise	M.Sc II	<u>Ganesh</u>
30)	Shankar Gajanan Jadhav	M.Sc II	<u>Shankar</u>
31)	Pratik Sanjay Karale	M.Sc II	<u>Pratik</u>
32)	Omkar Sanjay Sutar	M.Sc II	<u>Omkar</u>
33)	Mouly Prakash Patil	M.Sc II	<u>Mouly</u>
34)	Prathmesh madhukar Sumbare	M.Sc II	<u>Prathmesh</u>
35)	Dr. Namrata A. Narewadkar	Faculty	<u>Narewadkar</u>
36)	Dr. Kumbhar S. S.	Faculty	<u>Kumbhar</u>
37)	Mr. Arinash Ramkishan Gaikwad	Faculty	<u>Arinash Gaikwad</u>
38)	Dr. Jumanjya I. Inamdar	Faculty	<u>Jumanjya</u>
39)	Mr. Umesh S. Bodhgire	Faculty	<u>Umesh B.</u>
40)	Mr. Abhijeet V. Shinde	Faculty	<u>Abhijeet</u>
41)			
42)			
43)			
44)			
45)			

One Page Report

"Dissemination of Education for Knowledge, Science and Culture"

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Shri Swami Vivekanand Shikshan Sanstha's



Vivekanand College, Kolhapur (Empowered Autonomous)



Department of Physics

One Page Report

Name of the Department	Department of Physics																
Name of the Activity	Guest Lecture on "Design and Mechanism of Photothermal Soft Actuators and their Applications"																
Date / Duration	Monday, 15 th July 2024 at 12.00 PM																
Aims and Objectives	Photothermal soft actuators have become a hot research topic in recent years due to the unique light-to-heat conversion, mechanical deformation, contactless operation, and extended applications from bionic design to intelligent robots.																
No. of Beneficiaries	<table border="1"><tr><td rowspan="2">Teachers</td><td>Male</td><td>04</td><td rowspan="2">07</td></tr><tr><td>Female</td><td>03</td></tr><tr><td rowspan="2">Students</td><td>Male</td><td>14</td><td rowspan="2">33</td></tr><tr><td>Female</td><td>19</td></tr><tr><td colspan="3">Total</td><td>40</td></tr></table>	Teachers	Male	04	07	Female	03	Students	Male	14	33	Female	19	Total			40
Teachers	Male		04	07													
	Female	03															
Students	Male	14	33														
	Female	19															
Total			40														
Expenditure and Fundings	College Funds																
Brief Discussion	Dr. Rajaram S. Sutar, Post – Doctoral Fellow, College of Chemistry and Chemical Engineering, Henan University, Kaifeng 475004, China have discussed on 'Design and Mechanism of Photothermal Soft Actuators and their Applications' to the students and faculty. He said in lecture that superhydrophobic surfaces offer drag reduction, anticorrosive, and oil absorption properties, the synergistic effects expand their smartness in micro-robots, environmental remediation, bioengineering, transportation, wireless delivery, and oil spill recovery applications. Dr. S. S. Latthe welcomed Dr. Rajaram S. Sutar and Mr. A. R. Gaikwad has given vote of thanks.																
Outcomes	Students got useful information on Design and Mechanism of Photothermal Soft Actuators and their Applications.																



sslatthe
Dr. Sanjay S. Latthe
HEAD
DEPARTMENT OF PHYSICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)