

“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

Guest Lecture on

“Ferrites and Ferroelectrics”

Organized by

Department of Physics

On

Day, Date & Time: Monday, 20th November 2023 at 12.30 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)

(2023 – 24)

Table of Information

Sr. No.	Content	Numbers
01	Total Participants	25
02	Female Participants	13
03	Male Participants	12

Notice

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Vivekanand College, Kolhapur

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Department of Physics

Notice

Date: Thursday, 16th November 2023

It is hereby informed to all the students of B.Sc. – III, M.Sc.- I and II (Physics) that a guest lecture on “Ferrites and Ferroelctrics” is organized by Department of Physics on Monday, 20th November 2023 at 12.30 PM. A resource person is Dr. Rahim Pinjari, Assistant Professor, Department of Physics, Willingdon College, Sangli, Maharashtra, India will be delivering the guest lecture. All the students and faculty should present on time. Refreshments 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





GPS Map Camera



Google

Kolhapur, Maharashtra, India
P67Q+G8R, Warna Colony, Kolhapur, Maharashtra 416003, India
Lat 16.713905°
Long 74.238106°
20/11/23 12:31 PM GMT +05:30



GPS Map Camera



Google

Kolhapur, Maharashtra, India
P67Q+G8R, Warna Colony, Kolhapur, Maharashtra 416003, India
Lat 16.713905°
Long 74.238106°
20/11/23 12:31 PM GMT +05:30

Visit to the Research Laboratory (Dept. of Physics)





 **GPS Map Camera**



Kolhapur, Maharashtra, India
P67Q+G8R, Warna Colony, Kolhapur, Maharashtra 416003, India
Lat 16.713905°
Long 74.238106°
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Kolhapur, Maharashtra, India
P67Q+G8R, Warna Colony, Kolhapur, Maharashtra 416003, India
Lat 16.713905°
Long 74.238106°
20/11/23 12:35 PM GMT +05:30

Attendance

“Dissemination of Education for Knowledge, Science and Culture”
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Vivekanand College, Kolhapur

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Department of Physics

Guest Lecture on “Ferrites and Ferroelctrics”

by

Dr. Rahim Pinjari

Assistant Professor, Department of Physics, Willingdon College, Sangli,
Maharashtra, India

on

Monday, 20th November 2023 at 12.30 PM

Attendance Sheet

Sr. No.	Name of the Student / Staff	Class	Signature
1)	Dr. Sanjay S. Latthe	staff	<u>sslatthe</u>
2)	Miss. Sogali S. Gawade	Staff	<u>Sogali</u>
3)	Miss. Shivani P. Patil	Staff	<u>Patil</u>
4)	Miss. Gouri G. Jadhav	staff	<u>Gadhav</u>
5)	Mr. Abhijeet V. Shinde	Staff	<u>Shinde</u>
6)	Mr. Pundalik B. Hareer	staff	<u>PBH</u>
7)	Mr. Rohit A. Ekal	staff	<u>RE</u>
8)	Mr. Prashant M. Patil	Staff	<u>Prashant</u>
9)	Mr. Anurag N. Gore	staff	<u>Gore</u>
10)	Dr. Trupti V. Urunkar	STAFF	<u>Urunkar</u>
11)	Dr. N. A. Narewalikar	—	<u>Narewalikar</u>
12)	Dr. S. J. Jhambhar	—	<u>Jhambhar</u>
13)	Prathamesh R. Rathod	student	<u>P.R.R.</u>
14)	More Sameer Suresh	student	<u>More</u>
15)	Miss Shreyashri Demanna	student	<u>Demanna</u>

16)	Rushi Dongare	student	Rushi
17)	Musim Pathan	student	MPathan-
18)	Vedaja Kumbhar	student	<u>Vedaja</u>
19)	Akash mene.	student	<u>Akash</u>
20)	Aishwarya S. Gaikwad	student	<u>Aishwarya</u>
21)	Sakshi R. Biranje	student	<u>Biranje</u>
22)	Surekha. T. Desai	student	<u>Desai</u>
23)	Ritu. R. Nishad	student	<u>RANI</u>
24)	Vedant. M. Manganekar	student	<u>Vedant</u>
25)	Priyanka Patil	student	<u>Patil</u>
26)			
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One Page Report

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Vivekanand College, Kolhapur (Empowered Autonomous)



Department of Physics

KOLHAPUR

One Page Report

Name of the Department	Department of Physics																
Name of the Activity	Guest Lecture on “Ferrites and Ferroelectrics”																
Date / Duration	Monday, 20 th November 2023 at 12.30 PM																
Aims and Objectives	Ferrites and Ferroelectric materials exhibit a unique photovoltaic (PV) response that conventional PN junctions of semiconductors do not show. ferrites are well-known improper ferroelectrics with low-temperature antiferromagnetism/weak ferromagnetism. In recent decades, new multi-functional device concepts and applications have provoked the exploration for multiferroics which simultaneously possess ferroelectric and magnetic orders.																
No. of Beneficiaries	<table border="1"><tr><td rowspan="2">Teachers</td><td>Male</td><td>06</td><td rowspan="2">12</td></tr><tr><td>Female</td><td>06</td></tr><tr><td rowspan="2">Students</td><td>Male</td><td>06</td><td rowspan="2">13</td></tr><tr><td>Female</td><td>07</td></tr><tr><td colspan="3" style="text-align: right;">Total</td><td>25</td></tr></table>	Teachers	Male	06	12	Female	06	Students	Male	06	13	Female	07	Total			25
Teachers	Male		06	12													
	Female	06															
Students	Male	06	13														
	Female	07															
Total			25														
Expenditure and Fundings	College Funds																
Brief Discussion	Dr. Rahim Pinjari, Assistant Professor, Department of Physics, Willingdon College, Sangli, Maharashtra, India have discussed on ‘Ferrites and Ferroelectrics’ to the students and faculty. He said in lecture that multiferroicity, hexagonal manganites and ferrites are attracting great research interest among the fundamental scientific and technological communities. Moreover, the novel type of vortex-like ferroelectric domain walls are locked to the antiphase structural domain walls, providing an extra degree of freedom to tune the magnetoelectric coupling and other properties such as conductance. Dr. Sanjay S. Lathe welcomed Dr. Rahim Pinjari and Dr. S. I. Inamdar has given vote of thanks.																
Outcomes	Students got useful information on Ferrites and Ferroelectrics.																

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Dr. Sanjay S. Lathe

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