"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

"Renewable Energy Sources"

Organized by

Department of Physics

On

Day, Date & Time: Saturday, 11th November 2023 at 12.30 – 01.30 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	37
02	Female Participants	15
03	Male Participants	22

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: Wednesday, 08th 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 "Renewable Energy Sources" is organized by Department of Physics on Saturday, 11th November 2023 at 12.30 PM. A resource person is Dr. Pravin Kharade, Department of Physics, Shankarrao Mohite Mahavidyala, Akluj, Maharashtra, India will be delivering the guest lecture. All the students should present on time. Refreshments will be provided at the end of guest lecture.

Dr. Sanjay S. Latthe

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HEAD

DEPARTMENT OF PHYSICS VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)

Curriculum Vitae

Name: Dr. Pravin Mahadeo Kharade

A/P: Wadhegaon Tal- Sangola,

Dist-Solapur (MH), India

Pin Code- 413 307

Mobile: +91-9284821057 E-mail: pravink150@gmail.com **Date of birth**: 17/07/1988 **Caste:** Open (Hindu-Maratha)

Category: Economically Weaker Section (EWS)

Nationality: Indian

GENERAL INFORMATION:

1) Sex: Male

2) Marital status: Married 3) Blood group: O +ve

3) Career Objective: Research & Teaching4) Languages Known: English, Hindi and Marathi

5) Hobbies & interests: Reading, Listening to Music, Playing cricket

EDUCATIONAL QUALIFICATION

Exam. Passed	Year of Passing	Board / University	Subject Offered	% of Marks	Remark
Ph.D.	2017	Solapur University, Solapur	Physics		Awarded
M. Sc.	2011	Solapur University, Solapur	Physics	56.83	Second class
B.Sc.	2009	Solapur University, Solapur	Physics	70	First class with distinction
H. Sc.	2006	Pune board	PCMB	58.00	Second class
S.S.C.	2004	Pune board	All	73.73	First class with distinction



Title of Thesis:- "SYNTHESIS AND CHARACTERIZATION OF POLYANILINE, POLYPYRROLE, MNO₂, CR₂O₃ AND THEIR BI-LAYER HETEROSTRUCTURES FOR SUPERCAPACITOR APPLICATION".

Guide Name: Dr. D. J. Salunkhe

Nano-Composite Research Laboratory, Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur

Research Experience:

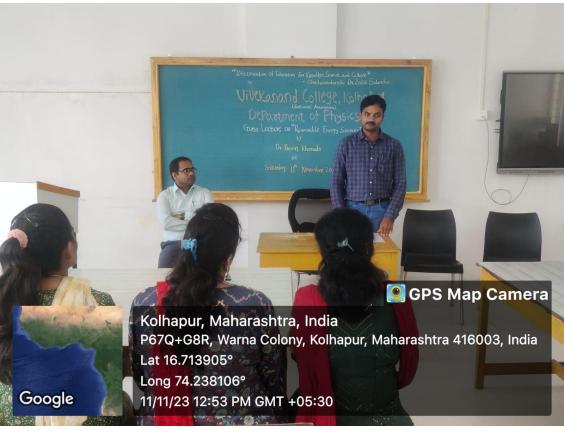
- Synthesis of polymer and metal oxide thin films (2017 to date)
- * Teaching experience: 11 years
 - ➤ Two year teaching experience at Vidnyan Mahavidyalaya, Sangola (During 2011-12 and 2012-2013)
 - ➤ Four year teaching experience at Sangola College, Sangola (During 2013-14 to 2016-2017)
 - ➤ Three Months teaching experience at Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur (13-12-2014 to 28-02-2015)
 - ➤ Five years teaching experience at Shankarrao Mohite Mahavidyalaya, Akluj (During 2017-2018 to till date)

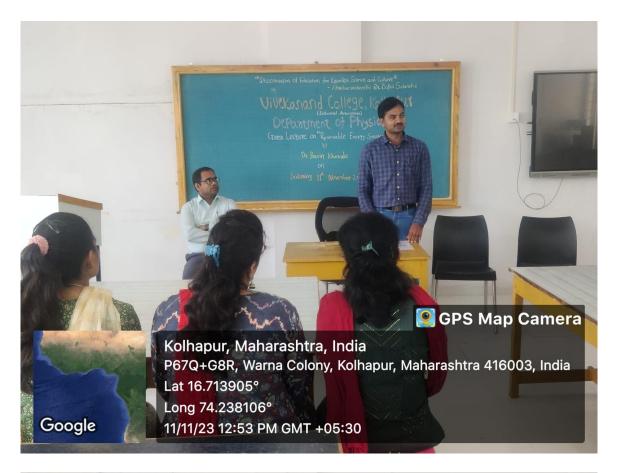
List of Publications

A)	Paper Published / Accepted to the cited National / International			
	Journals			
	2022			
[1]	P. M. Kharade, J. V. Thombare, S. S. Dhasade, S. S. Deokar, D. J. Salunkhe, M. S. Tamboli, S.S. Patil, Spongy-Network-like Polyaniline Thin Films as Electrodes for a Supercapacitor, Micro (2022) 2, 541–548.			
[2]	Swati D. Patil, Sagar. M. Mane, Pravin M. Kharade , Jagannath V. Thombare, Rajendra S. Gaikwad, Manish P. Tirpude, Jae Cheol Shin, Shankar S. Dhasade, and Hyo Jin Kim, FTIR and Electrical Properties of Cr Substituted Li _{0.5} Fe _{2.5} –xO ₄ Synthesized Using Sol-Gel Auto Combustion, ECS Journal of Solid State Science and Technology (2022) 11 054010.			
[3]	P. M. Kharade , J. V. Thombare, S. S. Dhasade, S. D. Patil, P. B. Abhange, D. J. Salunkhe, Electrodeposited Nanoleaves (NLs) like Mn3O4 thin film for electrochemical supercapacitor, International			

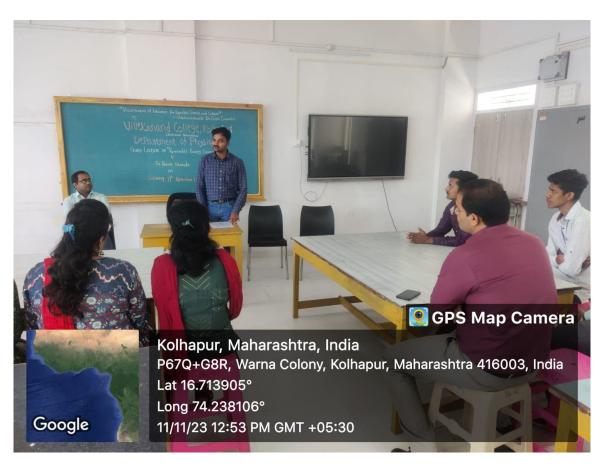
Photographs during the Program













Attendance

"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

Guest Lecture on "Renewable Energy Sources"

by

Dr. Pravin Kharade

Department of Physics, Shankarrao Mohite Mahavidyala, Akluj, Maharashtra, India.

on

Saturday, 11th November 2023

Attendance Sheet

Sr. No.	Name of the Student / Staff	Class	Signature	
1)	792. Scielm Logale	Statt.	fulo	
2)	Mr. Rohit Ekal	Staff	A .	
3)	mr. Ranjit Kharade	Staff	0.1	
4)	Dr. N. A. Narewadilar		Estable	
5)	Dr. Trupti U. Urunkar	statt.	f land	
6)	Miss Sayali S. Gawade	Staff	Rayali	
7)	Miss Gouri G Jadhay	Staff	Gaghan-	
8)	Miss Shivani P. Patil	Staff	Satil.	
9)	Mr Abhiject V. Shinde	Staff	ShindeAV.	
10)	mr Pundalik. B. Harer.	staff	PSH.	
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One Page Report

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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 "Renewable Energy Sources"			
	Date / Duration	Saturday, 11th November 2023 at 12.30 PM to 01.30 PM			
	Aims and Objectives	Renewable energy is energy derived from natural sources that are replenished at a higher rate than they are consumed. Sunlight and wind are such sources that are constantly being replenished. Renewable energy sources are plentiful and all around us which are cheaper in most countries, and generate 3 times more jobs than fossil fuels.			
	No. of Beneficiaries	Teachers	Male Female	15	24
		Students	Male	07	13
			Female	06 Total	37
	Expenditure and Fundings	College Funds			
3	Brief Discussion	Dr. Pravin Kharade, Department of Physics, Shankarrao Mohite Mahavidyala, Akluj, Maharashtra, India have discussed on 'Renewable Energy Sources' to the students and faculty. He said in lecture that fossil fuels - coal, oil and gas are non-renewable resources that take hundreds of millions of years to form. Fossil fuels, when burned to produce energy, cause harmful greenhouse gas emissions, such as carbon dioxide. Generating renewable energy creates far lower emissions than burning fossil fuels. Renewable energy is key to addressing the climate crisis. Dr. Sanjay S. Latthe welcomed Dr. Pravin Kharade and Mr. Abhijit Shinde has given vote of thanks.			
	Outcomes	Students got useful information on renewable energy sources and their possible practical uses in day-to-day life.			

Dr. Sanjay S. Latthe
HEAD
DEPARTMENT OF PHYSICS
VIVEKANAND COLLEGE, KOLHAPUR
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