

Shetkari Shikshan Prasarak Mandal's

Krishna Mahavidyalaya, Rethare Bk

IQAC 2017-2018

ACTIVITY REPORT  
PHYSICS DEPARTMENT

IQAC ACTIVITY No:

NAME OF THE ACTIVITY: Study Tour at "PIFC centre, Shivaji University Kolhapur."			
DATE	FACULTY	DEPARTMENT/COMMITTEE	COORDINATOR NAME
10 <sup>th</sup> February 2018,	Science	Physics	Dr. Dhanaji S. Dalavi
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor
8.00 to 6: 00 pm	Field Project at "Shivaji University Kolhapur."	20 students + 02 faculty	outdoor
SUPPORT/ASSISTANCE:	Nil		

BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. - ):

TOPIC/SUBJECT OF THE ACTIVITY	Field Project at "Shivaji University Kolhapur."
OBJECTIVES	To understand the basics of synthesis of nanomaterial's/thin films as well as characterization techniques and their use in various sectors
METHODOLOGY	Plant visit
OUTCOMES	Students understand various synthesis techniques such as chemical bath deposition, SILAR, Spray pyrolysis, Hydrothermal and Refluxing, etc which are useful for the deposition of various nanostructured materials/thin films.

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

1. Notice & Letters	2. Student list	3. Activity report	4. Photos	5. Feedback form
6. Feedback analysis	7. News clip with details	8. Certificate	9. Any other	10.

IQAC CELL ACTIVITY NUMBER:

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	PRINCIPALS SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Dr. Dhanaji S. Dalavi <i>(Salan)</i>	Dr. Dhanaji S. Dalavi <i>(Salan)</i> HEAD	<i>(Salan)</i> Principal	<i>(Salan)</i> IQAC, Coordinator,
DEPARTMENT OF PHYSICS KRISHNA MAHAVIDYALAYA, Rethare Bk; Shivnagar - 415108		KRISHNA MAHAVIDYALAYA, Rethare Bk; Shivnagar - 415108 Tal. Karad, Dist. Satara	
		Krishna Mahavidyalaya, Rethare Bk, Tal. Karad : 415 108 (MS)	

**Shetkari Shikshan Prasarak Mandal's**  
**KRISHNA MAHAVIDYALAYA, RETHARE BK**  
**DEPARTMENT OF PHYSICS**  
**ONE-DAY STUDY TOUR (FIELD VISIT REPORT) to**  
**Physics Instrumentation Facility Centre, Dept of Physics, Shivaji**  
**University, Kolhapur on 10<sup>th</sup> February 2018**  
**B.Sc. Part-II and III**

A one-day educational study tour (field visit) for B.Sc.II and III physics student was arranged on 10<sup>th</sup> February 2018 to visit the Physics Instrumentation facility center (PIFC), Shivaji University, Kolhapur. Dr. Dhanaji S. Dalavi and Mr. B. S. Mane accompanied the B.Sc.II and III year students.

The main purpose of the said visit to PIFC, Physics was to know the research activities and the research facility available at the PIFC. As the Shivaji university is 75 km from our college, we started our journey early at 9.00 am and reached there at 10.30 am.

Initially, we visited the Scanning electron Microscopy (SEM) Facility center. Operators of SEM gave us detailed information about its principle, working, and application in nanotechnology. Later, the operator gave us information about electrochemical quartz crystal microbalance (EQCM), Thickness Profiler, FT-Raman Microscopy, and UV-Vis Microscopy from the same lab. Then we moved to the Physics instrumentation facility center where all instruments such as atomic force microscope (AFM), XRD, Solar Simulator, and all others. The operators of the said instruments gave us detailed information about their principal, working, and applications.

Finally, we moved to the research laboratory where actual research work was going on. We visited 8 research laboratories. The research conducted at these

laboratories focused on the solar cell, supercapacitors, gas sensors, microwave applications, superconductors, optics, etc. The research students of the said laboratory gave us information about various deposition techniques for the synthesis, characterization, and fabrication of devices for different applications.

The said educational visit to PIFC and the Physics department has given me knowledge about the research and research facilities available. To see and understand the basics of synthesis and characterization techniques we spent 4 hours in the department of physics, and afterward, we moved to one of the famous spots of Kolhapur "Kaneri math" and renowned Mahalaxmi temple. After spending of two hours there, we started our journey to Karad at 6:00 pm and reached our place in the evening at 7:00 pm.



**HEAD**

**DEPARTMENT OF PHYSICS  
KRISHNA MAHAVIDYALAYA,  
Rethare Bk; Shivnagar - 415108**



संहती कार्यसाधिका । शिलं परं भूषणम्  
Shetkari Shikshan Prasarak Mandal's  
**KRISHNA MAHAVIDYALAYA, RETHARE BK.**

Shivnagar, Tal. Karad, Dist. Satara, 415108 (M.S.)

Email : kmr\_sspm@yahoo.co.in Website : www.krishnamahavidyalaya.com

NAAC 'B+' Grade (CGPA 2.65)

Principal : Dr. Salunkhe C. B., M.Sc., Ph.D.

Founder : Hon. Jaywantrao Bhosale



No. : KMR/SR/251/2017-2018 .

Date : 2/2/2018

To  
The Co-ordinator,  
School of Nanoscience and Nanotechnology,  
Shivaji University,  
Kolhapur

Subject: Request for permission to visit School of Nanoscience and Nanotechnology.

Respected Sir,

With reference to the subject mentioned above, our students of B.Sc.III year (Physics) would like to visit School of Nanoscience and Nanotechnology on 10/02/2018. The said visit will be beneficial for students to upgrade their knowledge and inculcate the research culture among them.

Herewith I kindly request you to allow our students to visit School of Nanoscience and Nanotechnology, Shivaji University, Kolhapur.

Thanking You

Yours faithfully

(Dr. C. B. Salunkhe)

Dr. C. B. Salunkhe  
PRINCIPAL (I/C)  
KRISHNA MAHAVIDYALAYA  
RETHARE (BK.), TAL. KARAD



संहती कार्यसाधिका । शिलं परं भूषणम्

Shetkari Shikshan Prasarak Mandal's

**KRISHNA MAHAVIDYALAYA, RETHARE BK.**

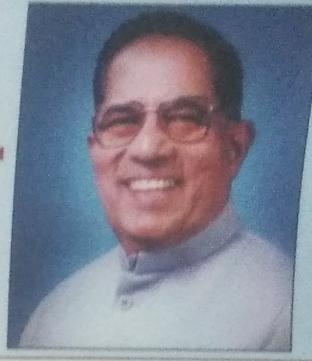
Shivnagar, Tal. Karad, Dist. Satara, 415108 (M.S.)

Email : kmr\_sspm@yahoo.co.in Website : www.krishnamahavidyalaya.com

**NAAC 'B+' Grade (CGPA 2.65)**

Principal : **Dr. Salunkhe C. B.**, M.Sc., Ph.D.

Founder : **Hon. Jaywantrao Bhosale**



Ref. No. : KMR/ SR/25/2017-18

Date : 2/2/2018

To  
The Head,  
Department of Physics,  
Shivaji University,  
Kolhapur

Subject: Request for permission to visit Physics Instrumentation facility centre (PIFC).

Respected Sir,

With reference to the subject mentioned above, our students of B.Sc.III year (Physics) would like to visit Physics Instrumentation facility centre (PIFC) on 10/02/2018. The said visit will be beneficial for students to upgrade their knowledge and inculcate the research culture among them.

Herewith I kindly request you to allow our students to visit PIFC, Shivaji University, Kolhapur.

Thanking You

Yours faithfully

(Dr. C. B. Salunkhe)

**Dr. C. B. Salunkhe**  
PRINCIPAL (I/C)  
KRISHNA MAHAVIDYALAYA  
RETHARE (BK.), TAL. KARAD

**Shetkari Shikshan Prasarak Mandal's**  
**KRISHNA MAHAVIDYALAYA, RETHARE BK**  
**DEPARTMENT OF PHYSICS**

**List of students participated in One-Day Study Tour (Field  
Visit Report) to**

**Physics Instrumentation Facility Centre, Dept of Physics,  
Shivaji University, Kolhapur on 10<sup>th</sup> February 2018**

<b>Sr. No.</b>	<b>Student's Name</b>	<b>Class</b>
1.	Bhosale Sangram Bapuso	B.Sc.III
2.	Gurav Ashita Bhagawan	B.Sc.III
3.	Gurav Geetanjali Ganpati	B.Sc.III
4.	Kadam Geetangali Shamrao	B.Sc.III
5.	Kurhade Digvijay Dilip	B.Sc.III
6.	Lad Rohit Madhukar	B.Sc.III
7.	Mali Jayant Kisan	B.Sc.III
8.	Mohite Aishwarya Manikrao	B.Sc.III
9.	Patil Pranav Diliprao	B.Sc.III
10.	Pawar Kavita Rajendra	B.Sc.III
11.	Salunkhe Namrata Jayawant	B.Sc.III
12.	Sawant Ajay Sambhaji	B.Sc.III
13.	Sawant Vijay Jaywant	B.Sc.III
14.	Farne Mandar	B.Sc.II
15.	Tawade Anil Jayshing	B.Sc.II
16.	Chavan Yogesh Yuvraj	B.Sc.II
17.	Patil Jayant Suresh	B.Sc.II
18.	Chavan Nikhil Shankar	B.Sc.II
19.	Gavade Prakash Gangaram	B.Sc.II
20.	Jadhav Amol Vijay	B.Sc.II



**HEAD**  
DEPARTMENT OF PHYSICS  
KRISHNA MAHAVIDYALAYA,  
Rethare Bk; Shivnagar - 415108

Shetkari Shikshan Prasarak Mandal's  
**KRISHNA MAHAVIDYALAYA, RETHARE BK**  
**DEPARTMENT OF PHYSICS**  
**ONE-DAY STUDY TOUR (FIELD VISIT REPORT) to**  
**Photos of Physics Instrumentation Facility Centre, Dept of**  
**Physics, Shivaji University, Kolhapur on 10<sup>th</sup> February 2018**

**B.Sc. Part-II and III**



*Salan*

**HEAD**  
**DEPARTMENT OF PHYSICS**  
**KRISHNA MAHAVIDYALAYA,**  
**Rethare Bk; Shivnagar - 415108**