

Prof. Sambhajirao Kadam College, Deur

Department of Physics

Academic Year 2022-2023

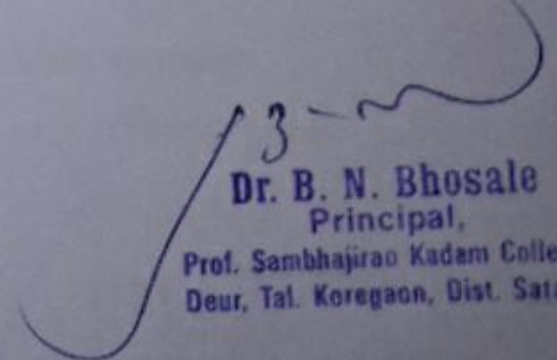
Activity Report

Experiential Learning through Project Work/Field Work/Internship/Study  
Excursion

|                               |  |
|-------------------------------|--|
| Name of the Activity          | Internship                                       |
| Organizing Department/Faculty | Department of Physics                            |
| Venue                         | Excel Fishnet, Satara                            |
| Coordinator & Faculties       | Asst. Prof. N.N.Sawant<br>Asst. Prof. S.S.Shinde |
| No. of Participants           | 08   |
| Supporting Documents          | Letter to Principal                              |
|                               | Appreciation Letter                              |
|                               | Student List                                     |
|                               | Photos   |
|                               | Completion Letter/Report                         |

Coordinator



  
Dr. B. N. Bhosale  
Principal,  
Prof. Sambhajirao Kadam College,  
Deur, Tal. Koregaon, Dist. Satara.



|| Bahujan Hitay ||

Shri Mudhaidevi Shikshan Sanstha's,

## PROF. SAMBAJIRAO KADAM COLLEGE, DEUR

Affiliated to Shriaj University, Kolhapur

Address: A/p, Deur Tal. Koregaon, Dist. Satara - 415524, Maharashtra (India)

• Tel/Fax: (02371) 254381-254327 • Web: [www.pskcd.ac.in](http://www.pskcd.ac.in) • Email: [pskcd@pskcd.ac.in](mailto:pskcd@pskcd.ac.in)

Outward No. PSKCD/ Science/ 2022-2023

Date -06/04/2023

To,  
M/S Excel Fishnets  
Manufacture of fishing nets,  
Plot no. B-6, MIDC Area,  
Satara-415004

**Subject: To get permission for Industrial visit.**

Respected Sir,

We feel indeed privileged to be associated and partnered with your esteemed firm, and very much obliged for being in engagement with you by way organizing and conducting the collaborative activities for the benefit of the students.

In furtherance to our ever long tie-up, cherishing the cause of student's progression, we feel immensely pleased to organize an onsite study visit to your industrial units with a batch of Physics students on a date and time convenient to you; that will provide an unique opportunity, enriching experience and exposure for the students to live operations, processes production assembly and industrial/business ecosystem.

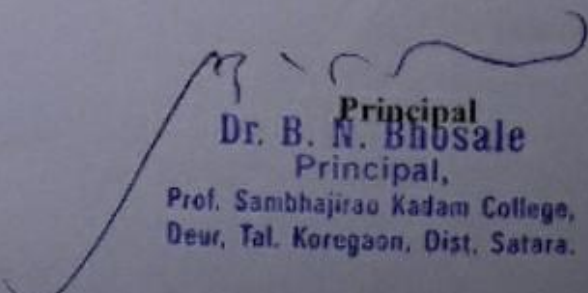
We shall be therefore highly obliged if you could give us the convenient date and time on which the proposed onsite study visit can be planned without much disrupting your normal schedule.

Our representative, Asst. Prof. N. N. Sawant who is coordinator of the activity, shall be in consultation with you and work out the further details having once the schedule are decided upon.

We look forward to hearing from you and in the meantime, we remain,

Yours Sincerely,

Coordinator

  
Principal  
Dr. B. N. Bhusale  
Principal,  
Prof. Sambhajirao Kadam College,  
Deur, Tal. Koregaon, Dist. Satara.





॥ Satyameva Jayate ॥

Shri Mudhaidevi Shikshan Sanstha's,

## PROF. SAMBHAJIRAO KADAM COLLEGE, DEUR

Affiliated to Shivaji University, Kolhapur

Address: A/p. Deur, Tal. Koregaon, Dist. Satara - 415524, Maharashtra (India)

• Tel./Fax: (02171) 254308, 254227 • Web: [www.pskcdkadam.ac.in](http://www.pskcdkadam.ac.in) • Email: [princ@pskcdkadam.ac.in](mailto:princ@pskcdkadam.ac.in)

Outward No. PSKCD/ Science/ 2022-2023

Date -10/04/2023

To,

M/S Excel Fishnets  
Manufacture of fishing nets,  
Plot no. B-6, MIDC Area,  
Satara-415004

Respected Sir/Madam,

We feel duty-bound to express our sincere gratitude for the continued support and cooperation extended by your esteemed organisation in organising and conducting the Industrial session under experimental/experiential learning at your campus on 10<sup>th</sup> April 2023 besides your ever busy schedule.

Being associated with us as a valued knowledge partner, I must place on record that the interactive session has indeed provided to the faculty and students an opportunity and exposure to the high end engineering application of the theory; which would prove immensely useful in conceptual understanding of theoretical concepts and their practical orientation.

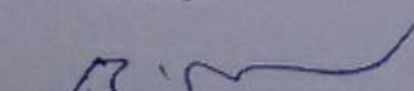
We look forward to your continued support and cooperation in conducting such academic sessions.

Best regards,

Sincerely yours,

Principal

Coordinator

  
Dr. B. N. Bhosale  
Principal,  
Prof. Sambhajirao Kadam College,  
Deur, Tal. Koregaon, Dist. Satara.

**Attendance Report on Industrial Session**  
(Under the Experimental Learning Programme)

**Students list**

**Activity Date: 10.04.2023**

| Sr. No. | Students Name                 | Class    |
|---------|-------------------------------|----------|
| 1       | Bhoite Aditya Chandrakant     | B.Sc III |
| 2       | Chavan Sayali Bajrang         | B.Sc III |
| 3       | Dhumal Siddesh Rajaram        | B.Sc III |
| 4       | Inamdar Mohin Musa            | B.Sc III |
| 5       | Jadhav Rohit Bapurao          | B.Sc III |
| 6       | Kadam Vrushali Mansing        | B.Sc III |
| 7       | Lakade Tushar Ramchandra      | B.Sc III |
| 8       | Mahamuni Prabhanjan Nandkumar | B.Sc III |



## Report on Industrial Session

(Under the Experimental Learning Programme)

### **Name of the Industry:**

M/S Excel Fishnets,

Satara-415004

Email ID

[engineeringinnovative69@gmail.com](mailto:engineeringinnovative69@gmail.com) / [innovativestr@dataone.in](mailto:innovativestr@dataone.in)

Contact No.

9922870700 /02162-244032

**Date of Visit**

10.04.2023

**Profile:**

08 Students of B.Sc. III

(Offering Physics as Optional Subject)

**Accompanying Faculty:**

1) Prof. N.N.Sawant

Asst. Professor and Head, Department of Physics

2) Prof. S.S.Shinde,

Asst. Professor, Department of Physics

**VENUE:**

M/S Excel Fishnet, Satara

**Participating Students and the Faculty Members**



## Report on the Industrial Interactive Session at Excel Fishnet, Satara

(Organised under Experimental Learning Programme)

### Vision:

- Establishing correspondence between theoretical abstract concepts with physical objects.
- Institution strives to provide experimental learning through. (For better conceptual institute shive to provide experimental learning through exposing the student to industry / business interfaec for better conceptual understanding )
- Effectively communicate the importance and activities of the polymer to our polymer practitioners, students.

### Objectives:

To impart industrial exposure and hands on training on various industrial process and to introduce machine dynamic, science behind and give them a clear idea about the engineering marvels.

- To harness on industry academia interface.
- To provide exposure to high end machines and scientific principles, laws, process based on
- Different types of polymerisation reaction.
- To experience the types of polymerisation mechanism..
- Interaction of students with industry personnets /experts.
- To prepare students for the selection of career path in different department of industry.

### Topic covered: Properties of Different Types of Polymers

Physical properties of polymers include molecular weight, molar volume, density, degree of polymerization, crystalline of material, and so on. Some of these are discussed herewith in the following sections.



### **Motivation and Facilitation:**

Principal Dr B. N. Bhosale approved the industrial session with the partner industries and encouraged the faculty to organize similar kind of activities for the benefits of students.

The Departments of Physics and Chemistry organised an industrial session. Owner and Managing director Er. Prajakta Kadam as resource session organized the visit to each engineering departments and explained the process metallurgical aspects

### **Activities at the work place (Industry):**

- Formal precipitation, introduction and interaction with the industry personals.
- Whirlwind visit to various departments, workshops, production line, machine assembly.
- Expert guidance, machine operations, science and engineering designs involved in it.
- Demonstrating how polymers are synthesised by combining two types of monomers.
- Demonstrating how a cross-linker will cause a change in the physical properties of a polymer system and how molecular arrangements influence these materials properties.
- Question answer session, career opportunities and potential skills required for the industry.

### **Feedback on the Industrial Session: (The Outputs Achieved)**

- The visit provided live exposure to the industrial set-up process high end machines and production line.
- It helped the students to understand the theoretical concepts in the opted courses through experimental learning.

**The interactive Session helped:**

- To give exposure to the industrial ecosystem safety measures at work place. Environment, sustainability, initiations and practices and Industrial work ethics and professionalism.
- To know the career opportunities offered by the industry and job specific technical and professional skill required to be acquired besides pursuing conventional epics
- To arouse the research acumen in the field.

The Feedback Analysis shows that the students have gained the conceptual understanding on the theoretical topics covered and opined that more such experimental learning programme covering largest spectra of science and technology be organised with the industry partners.



**Dr. B. N. Bhosale**  
Principal,  
Prof. Sambhajirao Kadam College,  
Deur, Tal. Koregaon, Dist. Satara