Dnyan Kala Krida and KrushiPratishthan's
Late Laxmibai Phadtare College of Pharmacy
Kalamb – Walchandnagar, Tal: Indapur, Dist: Pune, Pin: 413114
Approved by PCI, New Delhi, DTE, Mumbai, Recognized by Govt. of Maharashtra
Affiliated to MSBTE, Mumbai & Dr. BabasahebAmbedkar Technological University, Lonere,
KALAMB LLPCP
ज्ञान, कला, क्रिडा व कृषी प्रतिष्ठान
।। विद्या विनयेन शोभते ।।

PORTFOLIO ACTIVITY REPORT (2025-2026)

INDEX

Name of Portfolio: Faculty Development Programme

Name of Portfolio In-charge: Miss. Priyanka Chavhan

Name of Activity: Training on Particle Size Analyzer

Name of Activity In-charge: Mr. Kapil Joshi and Mr. Amey Deshpande Sir

Sr. No.	Content	Page number	Remark	Principal Sign
1.	Brief Description about Activity	1	✓	
2.	Requirement List (Approved) with Bills	2-3	✓	
3.	Permission letter from principal / management / police / RTO	4	✓	
4.	Notice to staff	5	✓	
5.	Staff attendance sheet with sign	6-9	✓	
6.	Photographs with caption	10-13	✓	
7.	How staff benefit? (Brief Description sheet)	14	✓	
8.	Staff feedback (Written / Live Videos) and analysis	15-59	✓	
9.	News Prepared and published	NA	-	Not Available
10.	Report submitted in softcopy to e-mail: lpcopportfolio@gmail.com	NA	✓	

Date / Duration of Activity: 08/09/2025

Date of Report Submission: 09/09/2025

Portfolio / Activity In-charge Sign

Principal Sign

PRINCIPAL
Late Laxmibai Phadtare
College Of Pharmacy
Kalamb-Walchandnagar,Tal.Indapur
Dist.Pune 413 114 (Maharashtra)

Brief Description about Activity

This demo lecture introduces students/participants to the principles and practical applications of particle size analysis using a Particle Size Analyzer (PSA). The session includes a theoretical overview of particle size distribution, methods of measurement (e.g., laser diffraction), and the significance of particle size in various industries such as pharmaceuticals, materials science, and food technology. A hands-on demonstration of the Particle Size Analyzer is conducted, showcasing sample preparation, instrument calibration, data acquisition, and interpretation of results.

Objectives:

- Understand the importance of particle size analysis in research and industry.
- Learn the working principle of a Particle Size Analyzer.
- Gain hands-on exposure to operating the equipment and analyzing data.

Requirement List

➢ Equipment & Instruments:

1. **Particle Size Analyzer (PSA)**
   - Preferably Laser Diffraction-based (e.g., Malvern Mastersizer or equivalent)
2. **Computer with Analysis Software**
   - PSA-specific software pre-installed for data analysis and visualization
3. **Sample Dispersion Unit**
   - Wet or dry dispersion system, depending on the sample type.

➢ Materials & Samples:

1. **Standard Calibration Sample**
   - Certified reference material for system validation
2. **Test Samples**
   - Powder or suspension samples (e.g., talc, cement, pharmaceutical powders, etc.)
3. **Solvent or Dispersant** (for wet analysis)
   - e.g., distilled water, ethanol, or any industry-specific medium
4. **Beakers, Pipettes, and Measuring Cylinders**
   - For sample preparation and dilution

➢ Accessories & Consumables:

1. **Gloves, Masks, and Lab Coats**
   - For safety and hygiene during sample handling
2. **Lint-free Wipes / Cleaning Materials**
   - For cleaning sample cells and equipment after use
3. **Labelling Materials**
   - Markers, labels, etc., for identifying samples

➢ **Presentation & Lecture Setup:**

1. **Projector and Screen or Smart Board**
   - For theory presentation and live data display
2. **Laptop/PC with Presentation File**
   - PowerPoint slides on PSA principles and applications
3. **Laser Pointer or Remote Clicker**
   - For smooth delivery of the lecture

➢ **Venue Setup:**

1. **Clean and Dust-Free Laboratory or Seminar Room**
2. **Stable Power Supply**
   - For running the analyzer and computer
3. **Ventilation or Fume Hood** (if volatile solvents are used)
4. **Seating Arrangement for Participants**

➢ **Personnel:**

1. **Subject Expert / Instructor**
   - To conduct the theory session and guide the demo
2. **Lab Technician or Assistant**
   - To help with sample prep and equipment handling

// Shri Datta Krupa //
Dnyan, Kala, Krida & Krishi Pratishthan's
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Phadtare Knowledge City, Kalamb-Walchandnagar, Tal. Indapur, Dist. Pune-413114, India

Ref. No. : LLPCP/OFFICE/2025-26/355 Date : 06 / 09 / 2025

Permission Letter

To,
Dr. Pravin Uttekar
Principal LLPCP

Subject: Request for Permission to Conduct a Demonstration on Particle Size Analyzer

Respected Sir,

I hope this letter finds you well. I am writing to seek your kind permission to organize a demonstration on the **Particle Size Analyzer** for the All Staff and Students. This demonstration is aimed at providing an opportunity for participants to learn about the operation, principles, and applications of particle size analysis in various fields such as materials science, chemistry, and engineering.

Details of the Proposed Demonstration:

- **Topic:** Particle Size Analyzer Demonstration
- **Date:** 08/09/2025
- **Time:** 2.00 pm
- **Venue:** Seminar Hall
- **Duration:** 2 hr

The demonstration will be conducted by Amey Vilas Deshpande (Area Sales Manager), who has extensive experience in this field. We believe this session will greatly enhance the participants' practical knowledge and understanding of the technology, which is essential in both academic and industrial contexts.

We kindly request your permission to proceed with this event and to allow the All Students and Staff to attend the session.

Thank you for considering our request.

Late Laxmibai Phadtare College Of Pharmacy 6962

PRINCIPAL
Late Laxmibai Phadtare
College Of Pharmacy
Kalamb-Walchandnagar,Tal.Indapur
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dnyankala20@gmail.com Website : http://www.phadtarepharmacy.org

// Shri Datta Krupa //
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Phadtare Knowledge City, Kalamb-Walchandnagar, Tal. Indapur, Dist. Pune-413114, India

Ref. No. : LLPCP/OFFICE/2025-26/485 Date : 06 / 09 / 2025

Notice to All Staff and Students

Subject: Demonstration on Particle Size Analyzer

We are pleased to inform All Staff and Students that a **Demonstration Session on the Particle Size Analyzer** will be conducted on:

Date: 08/09/2025
Time: 2.00 pm
Venue: Seminar Hall

This session will provide an in-depth introduction to the **Particle Size Analyzer** and its applications in various scientific and industrial fields. Participants will have the opportunity to see the equipment in action and understand its working principles.

All staff and students are encouraged to attend this informative session, especially those involved in research, materials science, and related fields.

For any inquiries, please contact Miss. Chavhan Priyanka

Thank you.

Late Laxmibai Phadtare College Of Pharmacy 6962 Kalamb-Walchandnagar

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~~Students~~ Attendance Sheet

Sr.No.	Name of ~~Students~~ staff	~~Class~~ Department	Signature
1	Ms. Vaishnavi Pravin chopade.	B.Pharm.	
2)	ms. sweta valmik Gite	B.Pharm	
3]	Ms. Priyanka chauhan	B. pharm	
4]	Ms. Bansode Seema Sudhakar	B. Pharm	
5)	Ms. Meera Ramkrishna Deokar	Pharmacy	
6)	ms. Waghmode Nikita Balkrishna	D.pharmacy	
7)	ms Janje Pallavi Vasant	D. pharmacy	
8)	Ms. Barashile Ankita Ankush.	B. Pharmacy	
9)	MS. palange sanjana Ishwar	B. pharmacy	
10	Ms Bhruti Kore	B. Pharmacy	
11]	Mr. Jagdish Sulunke	B. pharmacy	
12)	Ms. Sakshi Bhankude	B Pharmacy	

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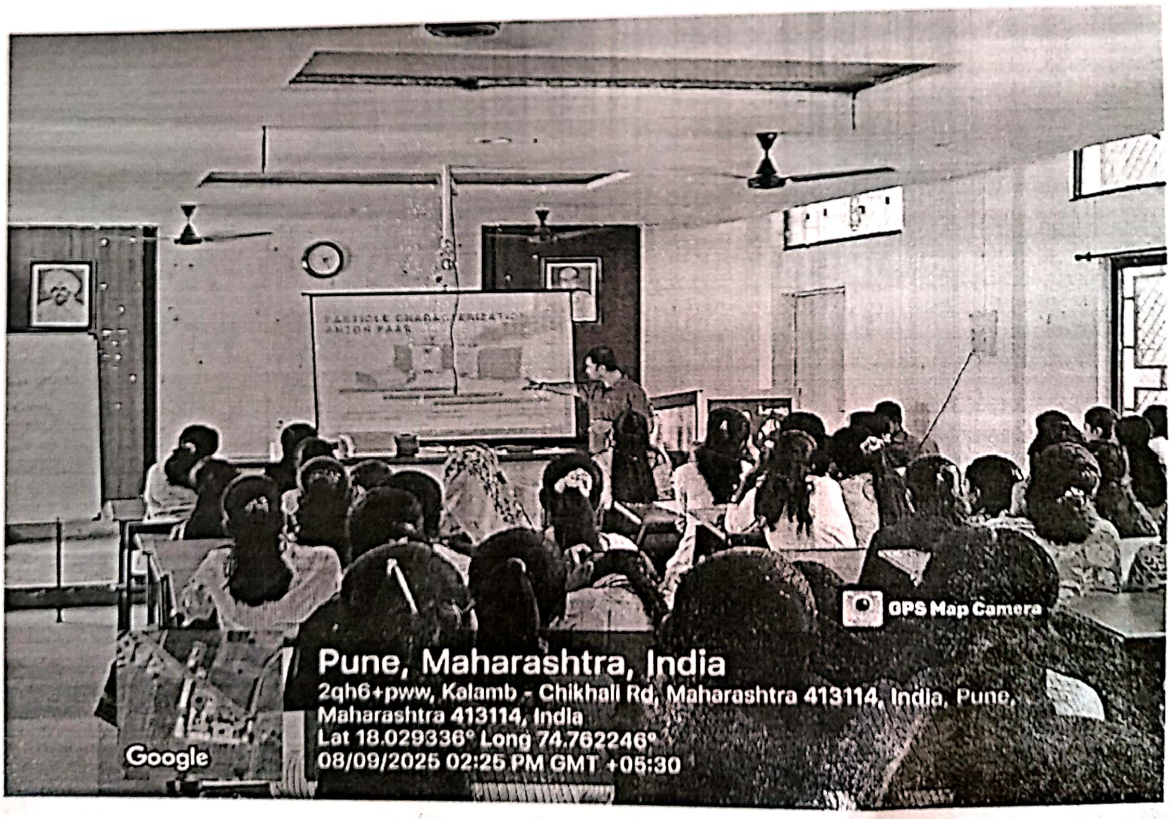
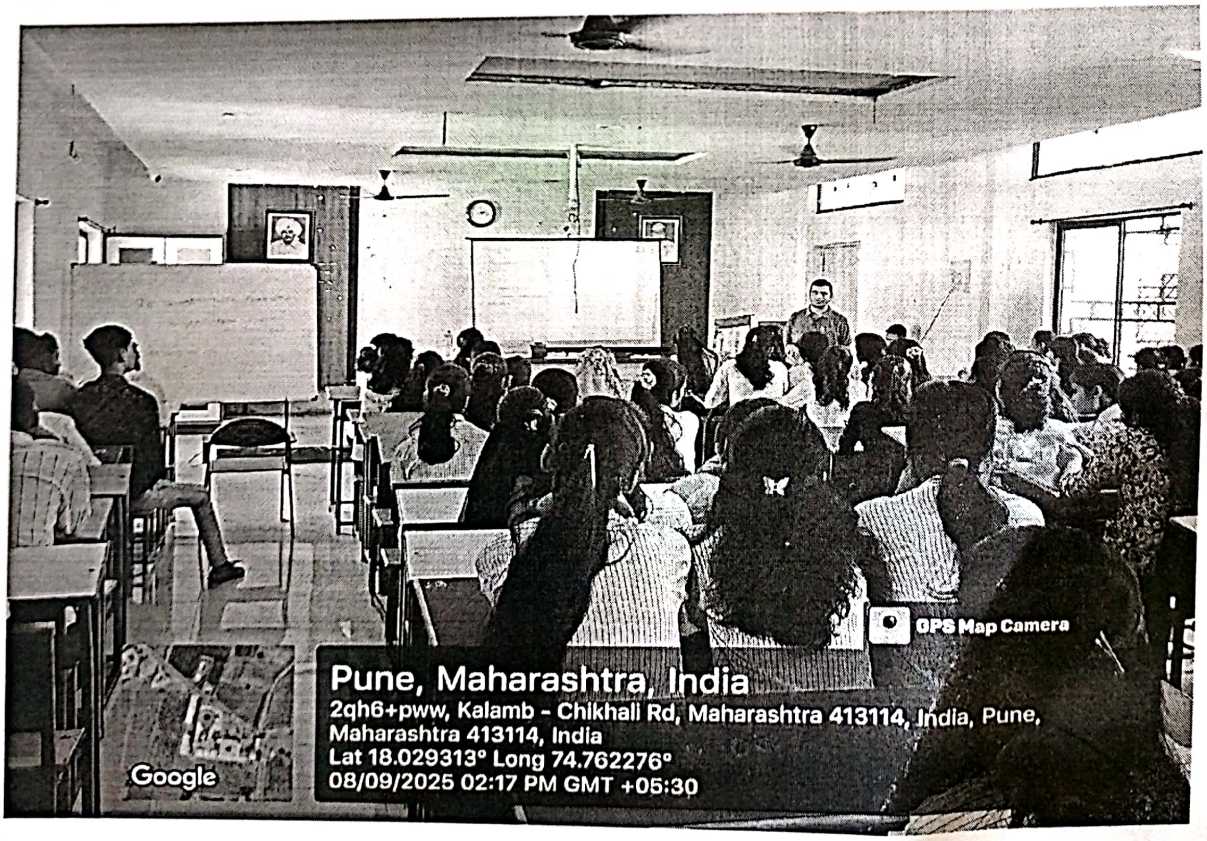
Students Attendance Sheet

Sr.No.	Name of Students	Class	Signature
1]	Pondkule Shruti Balu	Final Year	
2]	Salunkhe Srushti Ganesh	-11-	
3]	Kolekar Varsha Shankar	-11-	
4]	Gaikwad Sharda Satish	S.Y.D.Pharm	
5]	Rite Sarita Mahadev	S.Y.D.Pharm	
6]	Kinage Sanika Vilas	S.Y. & F.Y.	S.V.Kinage.
7]	Sanika Gajanan Rupnawar	F.Y. B.Pharm	
8]	Mansi Yashavant Gaikwad	F.Y. B.Pharm	
9]	Akanksha Bharat Waghmode	F.Y. B.Pharm	
10]	Saya Hamidalli Atar	F.Y. B.Pharm	S.H.Atar
11]	Sakshi Sachin Vanave	F.Y. B.Pharm	
12]	Kajal Suresh Patil	F.Y. D.Pharm	
13]	Zende Mayuri Sachin	F.Y. B.Pharm	
14]	Raut Peojakta Balu	F.Y. B.Pharm	P.B.Raut
15]	Rupanawar Gauri Popat.	F.Y. D Pharm	G.P.Rupanawar.
16]	Sarak Varsha Anil	F.Y. D Pharm	
17]	Sadaf Tahir khan.	F.Y. B Pharm	S.Khan.
18]	Pooja Rajkumar Suryawanshi	F.Y. B.Pharm	
19]	Narute Sarita Atul	F.Y. D.Pharm	P.A.Narute
20]	Mahvish Amjad Pansare	F.Y.B.Pharm	
21]	Misba Faruk Shaikh.	F.Y B.Pharm	
22	Shruti Kore	F.Y. D pharm	
23]	Sakshi Bechukale	T.Y.B Pharm	
24)	Om Jagdish Salunke	T.Y. B pharm	

Photographs with caption

1) Photographs during Demonstration on Particle Size Analyzer





Staff and Students Benefit :

1. Academic and Conceptual Understanding

- **Clear Understanding of Particle Size Analysis**
  Both staff and students gain a strong foundation in the theory behind PSA methods like laser diffraction.
- **Real-World Application Insight**
  Participants learn how particle size affects material behavior in industries like pharmaceuticals, cosmetics, food, and materials science.

2. Practical Skills and Hands-On Training

- **Instrument Familiarity**
  Learn to operate the PSA, including sample preparation, calibration, and data interpretation.
- **Sample Handling and Analysis**
  Training on best practices for wet and dry dispersion techniques, ensuring accurate measurements.

3. Curriculum and Research Support

- **Enhanced Teaching and Learning**
  Staff can better integrate instrumentation-based topics into lectures, while students connect theory to practice.
- **Support for Project Work and Research**
  Both groups can use the PSA for academic research, final year projects, or thesis work, improving data quality and credibility.

4. Institutional Benefits

- **Enhanced Lab Utilization**
  Better-trained staff and students mean the PSA equipment is used effectively and safely.
- **Accreditation and Quality Enhancement**
  Demonstrates institutional commitment to modern, industry-relevant education—valuable for audits and accreditations (e.g., NAAC, NBA).

Feedback Form: Particle Size Analyzer Demo

1. Participant Information

- **Name:** Ms. Meera Deokar
- **Organization/Department:** B. pharmacy
- **Email (optional):** —

2. Session Feedback

a. How would you rate the overall quality of the demo?

- ☑ Excellent
- ☐ Good
- ☐ Average
- ☐ Poor

b. How clear was the explanation of the instrument's functionality and principles?

- ☑ Very Clear
- ☐ Clear
- ☐ Somewhat Unclear
- ☐ Very Unclear

c. Was the hands-on demonstration helpful and easy to follow?

- ☑ Yes, very helpful
- ☐ Somewhat helpful
- ☐ Not helpful
- ☐ Not applicable

d. How relevant was the content to your work/research?

- ☑ Highly relevant
- ☐ Somewhat relevant
- ☐ Not very relevant
- ☐ Not relevant at all

c. Was the presenter knowledgeable and able to answer questions effectively?

- ☑ Strongly Agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly Disagree

3. Logistics and Materials

a. How would you rate the quality of the demo materials/slides (if provided)?

- ☑ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

b. Was the duration of the demo appropriate?

- ☑ Too Long
- ☐ Just Right
- ☐ Too Short

c. How was the organization and flow of the session?

- ☑ Excellent
- ☐ Good
- ☐ Fair
- ☐ Poor

4. Suggestions and Comments

a. What did you like most about the demo?

_____

_____

b. What areas can be improved?

_____

_____

Thank you for your valuable feedback!

Feedback Analysis

After completing Demo Lecture on Particle Size Analyzer, Trainer taken feedback from All Staff and Students those who are attending the Demo Lecture on Particle Size Analyzer, the all staff and students get more experience form this and learn the many things from this Training Session, All Staff and Students were given satisfactory feedback.

Following are the Feedback analysis-

Sr.no	Students No.	Remark
1	29	Excellent
2	30	Good
3	35	Average
4	2	Poor