



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCI),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Date: 24/02/2024

Summary Report on Industry Visit

at

“Nulife Pharmaceuticals Ltd.”

Date and Duration: 21/02/2024

Duration: 9.30 am to 2.00pm

No. of Participants: 10

Faculty Coordinators: Mrs. Pratibha D. Sonawane

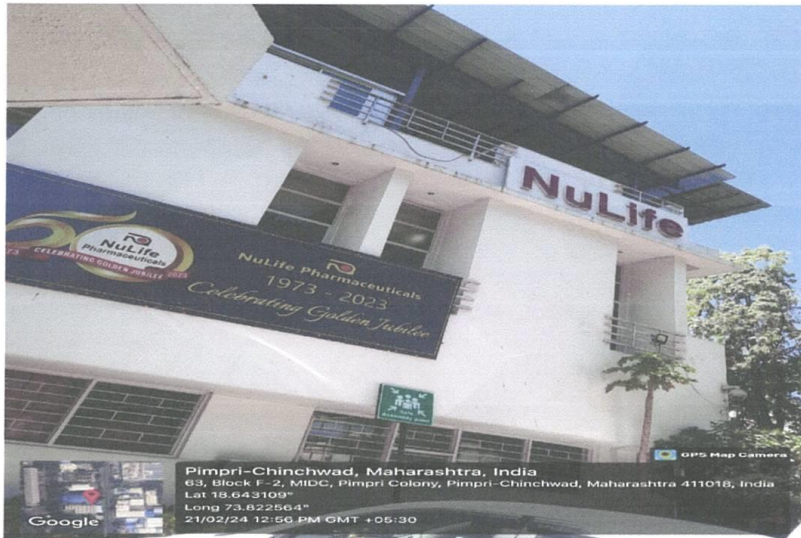
Objective:

1. To build up knowledge about pharmaceutical manufacturing.
2. To explore students to industrial environment.
3. To update the knowledge about industry profession and new modern techniques.
4. To observe different departments in pharma industry like QA, QC, Manufacturing units.
5. To different process in store, manufacturing unit, packaging.

Industrial visit was organized by PES Modern College of Pharmacy (For ladies), Moshi, Pune for the students of Diploma courses in Pharmacy exclusively for girl students in order to get the practical knowledge about Preparation of Different Pharmaceutical Formulations. Nulife Pharmaceuticals is located in Pimpri MIDC. We started travelling from the college campus at 9:00 am via our college bus. Totally 10 students along with 2 coordinators faculty were there in the journey.

Nulife Pharmaceuticals mainly deals with manufacturing of lotion, ointment, ear drops, ayurvedic and allopathic liquid oral dosage forms and tablets. A well experienced staff of Nulife Pharmaceuticals explained students about the working of Pharma industry, GMP guidelines for manufacturing different dosage forms. The students visited different sections like Dispensing, Filling, Packaging, Storage, AHU and Water Plant. Students were allowed to observe from corridor about the manufacturing and packaging of various products. The various large-scale pharma manufacturing equipment and its applications were also keenly observed by our students. They correlated the study and actual working at industry and gap between the industry and institute. The students were very happy and felt enriched after visiting a manufacturing plant.

Snapshots of Visit:





B. Sonawane
Mrs. P.D. Sonawane
 Visit I/C

M.C. Upadhye
Dr. M.C. Upadhye
 HOD

S.N. Dhole
Dr. S.N. Dhole

PRINCIPAL
PES Modern College of Pharmacy
 (For Ladies)
 Borhadewadi, A/Post Moshi
 Tel. Haveli, Dist. Pune - 412105



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE.Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCI),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Date: 31/01/2024

Summary Report on Industry Visit
at
“Haffkine Biopharmaceuticals Ltd, Pimpri”

Date and Duration: 30/01/2024

Duration: 9.30 am to 2.00pm

No. Of Participants: 65

Faculty Coordinators: Mrs. Pratibha D. Sonawane, Ms. Shravani Rakshe

Objective:

- To build up knowledge about pharmaceutical manufacturing.
- To explore students to industrial environment.
- To build industry institute relation and interaction.
- To understand health, safety and environmental aspects in industry.
- To interact with peoples, build contacts for future career advancement.

A complete report on industrial visit organized by PES Modern College of Pharmacy (For ladies), Moshi, Pune for the students of Diploma courses in Pharmacy exclusively for girl students in order to get the practical knowledge about Preparation of Different Parental Formulations like Vaccines and Sera.

PES Modern College of Pharmacy (For ladies), Moshi, Pune had organized an industrial visit on 30/02/2023 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri Colony, Pimpri-Chichwad for the students of D. Pharmacy. We started travelling from the college campus at 9:00 am via our college bus. Totally 65 students along with 2 coordinators faculty were there in the journey. The Haffkine Bio-Pharmaceutical Corporation Ltd., a fully owned Govt of Maharashtra Company registered under Companies Act, 1956 is located at Parel, Mumbai, Pune. Haffkine Ajintha Pharmaceuticals Ltd., a subsidiary of Haffkine Bio-Pharmaceutical Corporation Ltd., was established in 1977. The Corporation plays a pioneering role in the development and production of a wide range of Bacterial and Viral vaccines for diphtheria, tetanus, whooping cough, plague, poliomyelitis and rabies. The Corporation also formulates pharmaceutical products, disinfectants, ointments, injectables, syrups and mixtures. The

Sera (ATS) department of HBPCCL is located at Pimpri near Pune, and it is engaged in the manufacture of Antiserum against Tetanus, Diphtheria, Gas gangrene, Snake and Scorpion Venoms.

- ❖ This Industrial visit is very helpful in our future practical life & brings a positive change in our thinking & practical behaviour regarding Education & specializing our Manufacturing skills.
- ❖ Got practical knowledge about the Manufacturing in Parenteral preparation.
- ❖ Use of different Animals in Preparation of Vaccines and Sera.
- ❖ Different types of Instruments available for preparation and Storage purpose.
- ❖ Management of manpower and Preparations.
- ❖ Different courses offered by training section.

We are thankful to Mr. Garje Sir who was working in Haffkine for giving such an information to our students for development of practical skills regarding Preparation of parenteral formulations like vaccines and sera.

Snapshots of Visit:







B.Sonawane
Mrs. P.D. Sonawane
 Visit I/C

M.C. Upadhye
Dr. M.C. Upadhye
 HOD

S.N. Dhole
Dr. S.N. Dhole
 PRINCIPAL
 PES Modern College of Pharmacy
 (For Ladies) .
 Borhadewadi, At/Post Moshi
 Tal.Haveli, Dist.Pune - 412105

A
REPORT ON
FIELD VISIT
AT
National AIDS Research Institute (NARI)
Bhosari, Pune
ON
01st Dec, 2023

BY STUDENTS
OF
FIRST YEAR AND SECOND YEAR. PHARMACY
A.Y. 2023-2024

ACCOMPINED BY
Mrs. Sonawane P.D. and Ms. Chaudar A. P.



ORGANISED BY
PES Modern College of Pharmacy (For Ladies)
Moshi Pune 412105



Purpose:

- ❖ To build up knowledge.
- ❖ To explore students to Laboratory environment.
- ❖ To build institute relation and interaction.
- ❖ To understand health, safety and environmental aspects in industry.
- ❖ To interact with peoples, build contacts for future career advancement.

Field visit: ICMR- National AIDS Research Institute (NARI)

Location: Bhosari, Pune

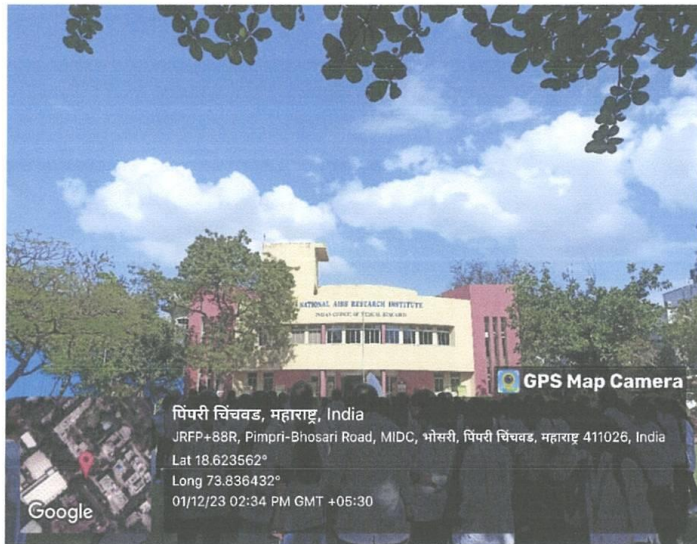
The visit was planned with the approval and guidance of Hon. Principal Dr. S. N. DHOLE. Prof. Hemant Alhat led this field Visit.

On December 1, 2023 (Friday), students from MCPL's(First year and Second year) D. Pharmacy got the opportunity to visit one of the leading Institute, "National AIDS Research Institute (NARI)." This institute is located in Bhosari, Pune. This NARI tour included 60 students and three staff members. This laboratory primarily conducts multidisciplinary research and testing facilities in the fields of virology, immunology, microbiology, clinical research, epidemiology, field trials, and socio-behavioral studies. It is dedicated solely to HIV/AIDS research.

During the visit, students were excited to hear from higher authorities about NARI Laboratory information.

We went to the NARI in Bhosari about 2:00 pm in the afternoon. The LAB's HR welcomed us when we arrived at the NARI and drove us to the meeting room, where we introduced our students and she gave the students an introduction to herself and the other members. Following that, they visited the labs for PCR testing, DBS testing, and microbiology, and she then gave the students an overview of the several laboratories. Following that, we separated our students into groups of twenty for the purpose of visiting and interacting with the laboratory personnel. We were taken to visit many laboratories, including the Microbiology Lab, departments, testing, etc. by the directors and heads of the respective labs. The department heads of each department have provided us with details about the testing procedures and laboratories they utilize. After a student takes some photos during the laboratory visit, we depart.

We arrived to the college about 05:pm. Along with learning, the visit was appreciated by the students.





B.Sonawane
 (Mrs. Sonawane P.D.,
 Ms. Chaudhar A.P.)
 Field Visit Incharge

M.C. Upadhye
 Dr. Upadhye M.C.
 (HOD)

S.N. Dhole
 Dr. Dhole S.N.

PRINCIPAL
 PES Modern College of Pharmacy
 (For Ladies)
 Borhadewadi, At/Post Moshi
 Tal.Haveli, Dist.Pune - 412105

PES MODERN COLLEGE OF PHARMACY (FOR LADIES),

MOSHI, PUNE - 412105

Industrial Visit Report

Objective:

- To build up knowledge.
- To explore students to industrial environment.
- To build industry institute relation and interaction.
- To understand health, safety and environmental aspects in industry.
- To interact with peoples, build contacts for future career advancement.

A complete report on industrial visit organized by PES Modern College of Pharmacy (For ladies), Moshi, Pune for the students of UG, and Diploma courses in Pharmacy exclusively for girl students in order to get the practical knowledge about Preparation of Different Parenteral Formulations like Vaccines and Sera.

PES Modern College of Pharmacy (For ladies), Moshi, Pune had organized an industrial visit on Wednesday 01/02/2023 at Haffkine Bio-Pharmaceutical Corporation Limited, Pimpri Colony, Pimpri-Chichwad for the students of D. Pharmacy.

Ms Shinde M. B. and Ms. Jadhav S.S. were the co-ordinators Faculty for the industrial visit. We started travelling from the college campus at 10:30 am via our college bus. Totally 55 students along with 2 coordinators faculty were there in the journey.

The **Haffkine Bio-Pharmaceutical Corporation Ltd.**, a fully owned Govt of Maharashtra Company registered under Companies Act, 1956 is located at Parel, Mumbai, Pune. **Haffkine Ajintha Pharmaceuticals Ltd.**, a subsidiary of Haffkine Bio-Pharmaceutical Corporation Ltd., was established in 1977. The Corporation plays a pioneering role in the development and production of a wide range of Bacterial and Viral vaccines for diphtheria, tetanus, whooping cough, plague, poliomyelitis and rabies. The Corporation also formulates pharmaceutical products, disinfectants, ointments, injectables, syrups and mixtures. The Antitoxin and Sera (ATS) department of HBPCCL is located at Pimpri near Pune, and it is engaged in the manufacture of Antiserum against Tetanus, Diphtheria, Gas gangrene, Snake and Scorpion Venoms.

- This Industrial visit is very helpful in our future practical Life & bring a positive change in our thinking & practical behavior regarding Education & specializing our Manufacturing skills.
- Got practical knowledge about the Manufacturing in Parenteral preparation.
- Use of different Animals in Preparation of Vaccines and Sera.
- Different types of Instruments available for preparation and Storage purpose.
- Management of manpower and Preparations.
- Different courses offered by training section.

We are thankful to Mr. Garje Sir who was working in Haffkin for giving such an Informative information to our students for development of practical skills regarding Preparation of parenteral formulations like vaccines and sera.





Pimpri Chinchwad

Maharashtra

India

29°C

84°F

2023-02-01 (Wed) 07:54 (pm)





PES MODERN COLLEGE OF PHARMACY
(NAAC Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCI),
Permanently affiliated to Savitribai Phule Pune University, ID No. PUI/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Industrial Visit

NULIFE PHARMACEUTICAL MIDC, Pimpri, Pune.

On 17th April 2022 First year students of PES modern college of pharmacy visited one of the top pharmaceutical industry “Nulife pharmaceuticals Ltd”. This plant is located at MIDC, Pimpri, Pune. Total 48 students along with 2 faculty members were participated this Industrial Visit.

This plant mainly deals with manufacturing of Lotion, Ointment, Ear Drops, Ayurvedic and Allopathic Liquid Oral Dosage dosage forms and tablets.

Visiting Areas –

1. Warehouse:-

A warehouse is a place where the raw material is stored. The height of this warehouse is approx. 50 feet. Fifteen pulleys are placed in the warehouse whose functions are to transfer the raw material from one place to another. It is important because the drug is in large quantity and it is very important to store such a large quantity of drug in a big room.

2. QC Department:-

The QC Department tests raw materials before they are used as well as in-process

materials at key points in the production process .The finished product is tested to

determine whether it was made according to the needs of GMP and meets all of its

specifications. They also monitor the stability of product, making sure that it meets all specifications during shelf-life.

3. Tablet punching machine:-

Tablets are made by compressing a formulation containing a drug or drugs with

excipients on stamping machines called Punching Machines having punches as the

basic component which are used for compressing the granulation within the dies

These punches control the process of filling, compression and ejection.

4. Tablet granulation machine

Pharmaceutical granulators are used for producing uniform dense granules they are

universally accepted within the pharmaceutical industry for wet granulation and dry

mixing of particles/ ingredients. Granulators ensure fast, efficient and uniform mixing or granulation of raw material/particles. Over sized granules are broken down into a uniform size to ensure better blending.

5. Strip packaging machine:-

The product is fed through hopper and feeding device flows to the heat sealing roller cavities, the desired laminated foil from the two rollers is drawn on the sealing rollers which packs and seals the products continuously. The sealed strip passes through the vertical and horizontal cutters to get desired strip sizes. This machine is extensively used to pack tablets, capsules, caplets, coated tablets, soft gelatine capsules.

6. Blister packaging machine

It is a form of tamper resistant packaging that provides excellent environmental

protection and the product has more aesthetic value.

7. Dissolution apparatus :-

It is used to study the in-vitro rate of dissolution of a drug. The rate of drug absorption for acidic drug moieties that are absorbed high in the GI tract is often

determined by the rate of drug dissolution by the tablet by dissolution apparatus.

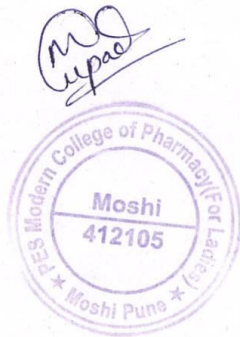
8. HPLC


In HPLC system pressure is applied to the column, forcing the mobile phase through at much higher rate. The pressure is applied using a pumping system. The action of pump is critical, since it must not pulsate and mix up the sample being separated with the solvent, causing it to lose resolution.

9. GLC:-

In gas-liquid chromatography (GLC), the mobile phase is a gas and the stationary

phase is a thin layer of a non-volatile liquid bound to a solid support. It is based upon the partition between the gas and an immobile liquid phase.




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post Moshi
Tal.Haveli, Dist.Pune - 412105