



RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S  
**COLLEGE OF PHARMACY (B.Pharm.)**

Approved by PCI, AICTE, Govt. of Maharashtra & DTE  
Affiliated to Savitribai Phule Pune University, Pune  
DTE Code:- 6382 University Code:- CPHPO13150



Certified by ISO 9001-2015,  
ISO : 14001-2015

Recognised as Green Educational  
Campus

Hon. Shri. Vilasrao V. Lande  
President

Hon. Shri. Sudhir V. Mungase  
Secretary

Hon. Shri. Ajit D. Gavhane  
Treasurer

Dr. Kishor S. Jain  
Principal

## 1.3.2

**Percentage of students undertaking project  
work/field work/ internships  
(Data for the latest completed academic year)**



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Affiliated to University of Pune

Gat No.101/102, A. Post-Dudulgaon, Post-Alandi, Tal-Haveli, Dist-Pune - 412 105

E-mail: rjspmcp123@gmail.com Web: www.rjspmpharmacy.com

Univ Id: PU/PN Pharm/286/2007 College Code:1081 DTE Code:6382



### 1.3.2 Percentage of students undertaking project work/field work/internships (Data for the latest completed academic year)

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# 1. Specimen copy of industrial training request letter

राजमाता जिजाऊ शिक्षण प्रसारक मंडळाचे, कॉलेज ऑफ फार्मसी

Gat No.101/102, Moshi-Alandi Road, Dudulgaon, Pune.

Post--Alandi, Tal.: Haveli, Pune-412105, Maharashtra (India)

Phone : (020) 20280280, 7447763086, 9422322070

 : [www.rjspmpharmacy.com](http://www.rjspmpharmacy.com)

Email: [rjspmcp123@gmail.com](mailto:rjspmcp123@gmail.com)

Committed for Excellence in Education

     /rjspmpharmacy



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**COLLEGE OF PHARMACY**

Gat No.101,102, Dudulgaon, Moshi-Alandi Road, Pune - 412105  
Maharashtra, India. **web** : [www.rjspmpharmacy.com](http://www.rjspmpharmacy.com)  
Email Id. rjspmcp123@gmail.com



Ref. No. RJSPM/COP/2022-23/04

Date:

To,

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Subject: - Industrial training for B. Pharmacy students.**

Dear Sir / Madam,

You are an esteemed Pharmaceutical Organization known for its quality and reliability of the product and services. It gives a great pleasure to request you to accept our student namely **MR. WAGHMARE SUMIT MAHENDRA** as a trainee pharmacist in your organization for a period of one month.

The tentative dates of the vacation will be from \_\_\_\_\_ to \_\_\_\_\_.  
We will be highly obliged if you accept our student as a trainee in your organization.

I assure you that the student will follow the strict discipline and instruction given time to time by your organization.

With Kind Regards

Thanking You

Yours truly,

  
Prof. S.N Ghodekar  
In charge Training and Placement Cell,  
Contact No. 8975764910  
Email- rjspmcp123@gmail.com



  
**PRINCIPAL**  
Rajmata Jijau Shikshan Prasarak Mandal's  
**COLLEGE OF PHARMACY**  
Dudulgaon, Pune-412 105



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## 2. List of the students completed industrial training



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UnivId:PU/PN Pharm/286/2007

College Code:1081

DTE Code:6382



## List of the students of Third and Final year B. pharmacy Industrial Training (2021-2022)

Sr. No	Name Of Student	Training Date	Name of Industry
1	Agarkar Prajakta Tanaji	30/08/2021-30/09/2021	Nulife Pharmaceuticals
2	Ambhore Kiran Indroba	29/10/2021-29/11/2021	Nulife Pharmaceuticals
3	Atole Mahesh Sundarrao	20/10/2021-20/11/2021	Nulife Pharmaceuticals
4	Atole Ravi Gajanan	07/09/2021-07/10/2021	Nulife Pharmaceuticals
5	Attar Arshiya Bashir	30/08/2021-30/09/2021	Nulife Pharmaceuticals
6	Bade Rohit Ashok	24/01/2022-24/02/2022	Nulife Pharmaceuticals
7	Bhor Priyanka Bhausahab	30/08/2021-30/09/2021	Nulife Pharmaceuticals
8	Binawade Bhagyashri Sopan	19/01/2022-19/02/2022	Nulife Pharmaceuticals
9	Borate Nandini Balu	30/08/2021-30/09/2021	Nulife Pharmaceuticals
10	Chopade Abhijeet Pandurang	30/08/2021-30/09/2021	Nulife Pharmaceuticals
11	Choudhari Srushti Pandit	30/08/2021-30/09/2021	Nulife Pharmaceuticals
12	Choudhari Vimla Shobharam	30/08/2021-30/09/2021	Nulife Pharmaceuticals
13	Choudhary Nilu Amararam	30/08/2021-30/09/2021	Nulife Pharmaceuticals
14	Date Nikhil Namdev	29/10/2021-29/11/2021	Nulife Pharmaceuticals
15	Dhiwar Priyanka Ravindra	19/01/2022-19/02/2022	Nulife Pharmaceuticals
16	Gadade Perna Vitthal	30/08/2021-30/09/2021	Nulife Pharmaceuticals
17	Gadhawe Rahul Uttamrao	24/01/2022-24/02/2022	Nulife Pharmaceuticals
18	Gaykar Pravin Appa	20/12/2021-20/01/2022	Nulife Pharmaceuticals
19	Ghare Aishwarya Shamkant	30/08/2021-30/09/2021	Nulife Pharmaceuticals
20	Gote Vaibhav Suresh	24/01/2022-24/02/2022	Nulife Pharmaceuticals
21	Gunaware Aishwarya Panalal	30/08/2021-30/09/2021	Nulife Pharmaceuticals
22	Gutte Satyawan Kondiba	19/01/2022-19/02/2022	Nulife Pharmaceuticals
23	Jagatap Amrutraj Jivan	12/03/2022-12/04/2022	Nulife Pharmaceuticals
24	Jagdale Gayatri Bhagwan	20/12/2021-20/01/2022	Nulife Pharmaceuticals
25	Jagtap Aishwarya Sharad	30/08/2021-30/09/2021	Nulife Pharmaceuticals
26	Jambe Rutuja Prasad	30/08/2021-30/09/2021	Nulife Pharmaceuticals
27	Kaute Ruchika Ganesh	19/01/2022-19/02/2022	Nulife Pharmaceuticals
28	Kazi Faizan Munir	29/10/2021-29/11/2021	Nulife Pharmaceuticals
29	Kirve Prajkta Rajendra	01/10/2021-01/11/2021	Deccan Nutraceutical PVT. Ltd.





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Sr. No	Name of Student	Duration	Name of Industry
30	Kokate Pragati Omprakash	19/01/2022-19/02/2022	Nulife Pharmaceuticals
31	Kolhe Yogesh Babu	29/10/2021-29/11/2021	Nulife Pharmaceuticals
32	Kshirsagar Vishal Mohanrao	18/06/2021-17/07/2021	Deccan Nutraceutical PVT. Ltd.
33	Mali Gokul Pandurang	7/09/2021-07/10/2021	Nulife Pharmaceuticals
34	Maskare Pratik Santosh	29/10/2021-29/11/2021	Nulife Pharmaceuticals
35	Mendhake Arvind Gangadhar	7/09/2021-07/10/2021	Nulife Pharmaceuticals
36	Munde Pratap Namdev	19/01/2022-19/02/2022	Nulife Pharmaceuticals
37	Newale Pritee Sandeep	29/10/2021-29/11/2021	Nulife Pharmaceuticals
38	Panchal Shubham Shrirang	29/10/2021-29/11/2021	Nulife Pharmaceuticals
39	Panchal Varsharani Prakash	20/12/2021-20/01/2022	Nulife Pharmaceuticals
40	Patil Sneha Ramratan	17/06/2021-19/07/2021	Nulife Pharmaceuticals
41	Pawar Rutuja Anaji	07/01/2022-07/02/2022	Nulife Pharmaceuticals
42	Pawar Tejashri Sunil	30/08/2021-30/09/2021	Nulife Pharmaceuticals
43	Pokharkar Mayuri Laxman	16/08/2021-16/09/2021	Nulife Pharmaceuticals
44	Rathod Vishal Santosh	19/01/2022-19/02/2022	Nulife Pharmaceuticals
45	Raut Akanksha Sakharan	30/08/2021-30/09/2021	Nulife Pharmaceuticals
46	Raut Rohan Shankar	20/12/2021-20/01/2022	Nulife Pharmaceuticals
47	Salgar Rupali Dattatray	20/12/2021-20/01/2022	Nulife Pharmaceuticals
48	Sawant Vaibhavi Vasant	30/08/2021-30/09/2021	Nulife Pharmaceuticals
49	Shinde Amruta Prithviraj	23/04/2022-23/05/2022	Nulife Pharmaceuticals
50	Shinde Damini Pradeep	30/08/2021-30/09/2021	Nulife Pharmaceuticals
51	Shinde Vaishnavi Balaram	31/08/2021-30/09/2022	Nulife Pharmaceuticals
52	Singh Ashu Bhupesh	20/12/2021-20/01/2022	Nulife Pharmaceuticals
53	Sonawane Rutuja Satish	20/12/2021-20/01/2022	Nulife Pharmaceuticals
54	Suryawanshi Aditya Deepak	12/01/2021-12/02/2021	Nulife Pharmaceuticals
55	Suryawanshi Rutika Yogiraj	30/08/2021-30/09/2021	Nulife Pharmaceuticals
56	Suryawanshi Sandhya Bhagwat	30/08/2021-30/09/2021	Nulife Pharmaceuticals
57	Tathe Abhijeet Popat	19/06/2021-19/07/2021	Deccan Nutraceutical PVT. Ltd.
58	Titkare Nikhil Gulab	20/12/2021-20/01/2022	Nulife Pharmaceuticals
59	Yelwande Purva Balasaheb	30/08/2021-30/09/2021	Nulife Pharmaceuticals





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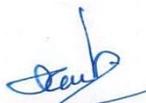
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Sr. No	Name of Student	Duration	Name of Industry
60	Anarse Suraj Santosh	13/08/2022 to 13/09/2022	Nulife Pharmaceuticals
61	Bote Sonal Margu	11/07/2022 to 1 0/08/2022	Hindustan Antibiotics
62	Damse Triveni Suresh	11/07/2022 to 1 0/08/2022	Hindustan Antibiotics
63	Dubey Isha Amarnath	10/09/2022 to 10/10/022	Nulife Pharmaceuticals
64	Gaikwad Neha Dattatray	10/07/2022 to 10/08/2022	Hindustan Antibiotics
65	Gaikwad Onkar Sanjay	25/06/2022 to 25/07/2022	Nulife Pharmaceuticals
66	Gargote Monika Sarajerao	25/06/2022 to 25/07/2022	Nulife Pharmaceuticals
67	Gawade Monika Raosaheb	30/07/2022 to 30/08/2022	Nulife Pharmaceuticals
68	Gunjal Harshad Babasaheb	24/09/2022 to 24/10/2022	Nulife Pharmaceuticals
69	Halemani Shreedhar Mallikarjun	25/06/2022 to 25/07/2022	Nulife Pharmaceuticals
70	Kantule Manjusha Kalyanrao	13/08/2022 to 13/09/2022	Nulife Pharmaceuticals
71	Kolekar Pallavi Balu	11/07/2022 to 1 0/08/2022	Hindustan Antibiotics
72	Kshirsagar Pratik Santosh	23/07/2022 to 23/08/2022	Nulife Pharmaceuticals
73	Kurhade Hrishikesh Digambar	30/07/2022 to 30/08/2022	Nulife Pharmaceuticals
74	Lahane Vishakha Sharad	13/08/2022 to 13/09/2022	Nulife Pharmaceuticals
75	Mazire Rushikesh Sadhu	30/07/2022 to 30/08/2022	Nulife Pharmaceuticals
76	Naikare Snehal Suresh	13/08/2022 to 13/09/2022	Nulife Pharmaceuticals
77	Nehere Monika Namdev	30/07/2022 to 30/08/2022	Nulife Pharmaceuticals
78	Parhad Pooja Vilas	30/08/2022 to 30/09/2022	Nulife Pharmaceuticals
79	Patole Sanchita Rajaram	05/07/2022 to 04/08/2022	Cure Medicine Pvt.Ltd.
80	Pawar Supriya Anant	11/07/2022 to 10/08/2022	Hindustan Antibiotics
81	Pawara Mangesh Narsing	25/06/2022 to 25/07/2022	Nulife Pharmaceuticals
82	Rodage Nikita Sanjay	11/07/2022 to 10/08/2022	Hindustan Antibiotics
83	Sawant Sakshee Vishwas	13/08/2022 to 13/09/2022	Nulife Pharmaceuticals
84	Shete Aniket Somnath	24/09/022 to 24/10/2022	Nulife Pharmaceuticals
85	Shinde Rushikesh Vikram	25/06/2022 to 25/07/2022	Nulife Pharmaceuticals
86	Suryawanshi Shailkumari Vijaynath	24/09/022 to 24/10/2022	Nulife Pharmaceuticals
87	Thite Chaitrali Vijay	13/08/2022 to 13/09/2022	Nulife Pharmaceuticals
88	Yadav Abhishek Bhausaheb	24/09/022 to 24/10/2022	Nulife Pharmaceuticals



  
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Treasurer

Dr. Kishor S. Jain  
Principal

## 3. Industrial Training Certificates



In-Charge Training and Placement Cell  
Rajmata Jijau Shikshan Prasarak Mandal's  
College of Pharmacy, Gat No. 101, 102  
Dudulgaon, Moshi-Alandi Road  
Pune - 412 105

Date: 20<sup>th</sup> Jan., 2022

## CERTIFICATE

This is to certify that Mr. / Ms. Rutuja Satish Sonawane student of B. Pharm Final year of Rajmata Jijau Shikshan Prasarak Mandal's, College of Pharmacy, Gat No. 101,102, Dudulgaon, Moshi - Alandi Road, Pune - 412 105 has successfully completed his / her one month In-plant training during 20<sup>th</sup> Dec., 2021 to 20<sup>th</sup> Jan., 2022 in Nulife Pharmaceuticals Pimpri, Pune.

His / Her attendance was regular and conduct was satisfactory.

Best wishes for his / her future.

For NULIFE PHARMACEUTICALS

*Sudhir Deval*

SUDHIR DEVALE  
HR MANAGER





# HINDUSTAN ANTIBIOTICS LIMITED

(A GOVT. OF INDIA ENTERPRISE)

PIMPRI, PUNE - 411 018.

TRG/BPHARMTR/3153/21-22

August 10, 2022

## CERTIFICATE

This is to certify that Miss Triveni Suresh Damse B. Pharm student of Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy Moshi Alandi Road, Pune has completed One Month Industrial Internship at our Organization from 11/07/2022 to 10/08/2022.

For HINDUSTAN ANTIBIOTICS LIMITED

(Ms. Sunita N. Shivatare)  
Sr. Officer (Legal/Welfare & Training)

सुनिता शिवतारे/Sunita Shivatare  
वरिष्ठ कार्मिक अधिकारी  
Senior Personnel Officer  
हिन्दुस्तान एंटीबायोटिक्स लि./H.A. LTD.  
पिंपरी PIMPRI, पुणे PUNE- 411018.





# CURE MEDICINES (INDIA) PVT. LTD.

REF : CURE/HR/2022

Date:03.08.2022

## TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. Sanchita Rajaram Patole.** is student of Rajmata Jijau Shikshan Prasarak Mandal's College of Pharmacy Dudulgaon Pune. has undergone training in our organization from 05.07.2022 To 03.08.2022.

During this period she was sincere and hard working, we wish her all the best in her future endeavors.

**FOR CURE MEDICINES (I) PVT. LTD.**

**AUTHORISED SIGNATORY**





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Principal

## 4. Industrial Training Report

A  
PROJECT REPORT  
ON  
ONE MONTH TRAINING  
WITH



NULIFE PHARMACEUTICALS, PIMPRI, PUNE.

SUBMITTED BY

**Ms. Newale Pritee Sandeep**

(FINAL YEAR B. PHARMACY)

(2021-22)

DURATION OF TRAINING (29/10/2021 -29/11/2021)



RJSPM'S COLLEGE OF PHARMACY, DUDULGAON, PUNE-412 105.



To,  
In-Charge Training and Placement Cell  
Rajmata Jijau Shikshan Prasarak Mandal's  
College of Pharmacy, Gat No. 101, 102  
Dudulgaon, Moshi-Alandi Road  
Pune - 412 105

Date: 29<sup>th</sup> Nov., 2021

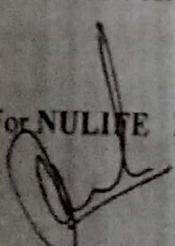
## CERTIFICATE

This is to certify that Mr. / Ms. Pritee Sandeep Newale student of B. Pharm Final year of Rajmata Jijau Shikshan Prasarak Mandal's, College of Pharmacy, Gat No. 101,102, Dudulgaon, Moshi-Alandi Road, Pune - 412 105 has successfully completed his / her one month In-plant training during 29<sup>th</sup> Oct., 2021 to 29<sup>th</sup> Nov., 2021 in Nulife Pharmaceuticals Pimpri, Pune.

His / Her attendance was regular and conduct was satisfactory.

Best wishes for his / her future.

For NULIFE PHARMACEUTICALS

  
SUDHIR DEVALE  
HR MANAGER



Nulife Pharmaceuticals, Pune.

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## ACKNOWLEDGMENT

I would like to thank Mr. Prashant sir head of training department, NuLife Pharmaceutical, for meticulously planning academic curriculum in such a way that students are not only academically sound but also industry ready by including such industrial training pattern.

Miss.Pritee Sandeep Newale  
RJSPM , Dudulgaon ,Pune



## **Introduction**

### **Overview of industry**

NuLife Pharmaceutical – Manufacturing of a wide range of pharmaceutical dosage forms, external preparation and auyurvedic formulations.

**Establishment** – Established in 1973.

**Vision** –To provide quality medicinal products and help one achieve healthier and happier Nulife.

#### **Core Values –**

- Innovation
- Quality and Patient focus
- Teamwork and Report
- Value driven

#### **Departments–**

- Changing room.
- Manufacturing of Tablets.
- Manufacturing of Capsules.
- QA/QC and IT.
- Warehouse.
- Research and Development.
- Environment Health and Safety.

**Annual Turnover**–Rs.5–10 Crore.

Certification – GMP & WHO

**Area**– 6 acres.



Manufacturing – ENT, Dermatology, Ophthalmic, Pediatrics, Gynecology,  
Orthopedics, Dental Preparation, Ayurvedic and Veterinary.

**Products of Nulife Pharmaceuticals -**

- ✓ Clotrin –AC ear drop
- ✓ Acetik-HC ear drop
- ✓ Momenta Naasal
- ✓ Nudoxy capsules
- ✓ Nirmet injection
- ✓ Salactin Paint
- ✓ Cortima cream
- ✓ Iverscab Tablet
- ✓ NuTears eye drop
- ✓ Nutaf tablet
- ✓ Dentalgesic tooth drop
- ✓ Soliwax ear drop
- ✓ Exsora ointment
- ✓ Nupermy cream
- ✓ Endruff lotion
- ✓ Salen topical solution
- ✓ U-lac cream
- ✓ I-kul ophthalmic solution
- ✓ Herbiflam capsules



**Formulations** – Tablets, Capsules, liquid oral and external preparation. Legal status of firm – Professional Association.

**Activities** – Sport championship, Birthday celebration, Diwali, Navratri, Trip.

**R & D** – The research and development team is comprised of 12 Pharmacist, Scientists from different fields. Microbiologists, Chemists, Pharmacologists, Physicians and Business Administrators which form a part of NuLife Pharmaceuticals



## **Introduction of Different Departments**

### **Changing Room:**

Color Coding of Uniform;

- i. For Manufacturing department – Brown colour apron or White  
ii. colour apron with employee ID and company name.
- iii. For QC & QA department – White colour apron with ID and  
Company name. O for engineering department – Grey colour apron  
with employee ID and company name with Blue colour helmet.
- iv. For Environment Health and Safety department – White colour  
apron with identification of First Aider, Fire Fighters,  
Emergency Unit with their ID and company name with Green  
colourhelmet.
- v. For Dedicated area of Production – Full sleeves white apron with  
ID and company name with Yellow colourhelmet.
- vi. For Warehouse – White colour apron with ID and company name.
- vii. For Visitors – White colour apron with their ID and visitor logo  
and white colour helmet with visitor label.

### **viii. Primary change room (Male and Female)**

- i. Pull the door of first change room.
- ii. Remove your street and unwanted articles like wrist  
watch, mobile phone, jewellery (chain, ring) and keep  
them in assigned lockers.
- iii. Wear black colored socks and shoes are provided by factory daily.
- iv. Take your protective garments like apron, cap from the  
lockers and wear them are provided by factory Monday or  
Tuesday or earlier if required.
- v. Through mirror check out your proper gowning.
- vi. Provide shoes with socks or shoes cover to visit . Disposable  
garments may be provided to employees whenever require



### **First change room (Male and Female)**

- A. Employee working in manufacturing and primary packaging
- B. area will enter into primary change room.
- C. Changeover of each product uniform shall be change.
- D. Remove first change room shoes and keep them in locker.
- E. Sanitize hands with sanitizer.
- F. Cross the COB.
- G. Take your lint free garments like apron, cap from the locker and wear them are provided by factory Monday or Tuesday or earlier if required.
- H. Wear the garments over the previous uniform.
- I. Wear clean brown colored shoes through the locker.
- J. Brown show or additional show cover for visitor.
- K. Through mirror check out your proper gowning.
- L. Sanitize your hands with sanitizer.
- M. Then go to respective work place such as dispensing, sampling, granulation, compression, coating, capsule manufacturing, and primary packing.
- N. Wear mask before entry in core area (Manufacturing) and primary packing.

### **Exit from primary change room**

- A. Remove lint free uniform including cap and put them in the lockers.
- B. Remove primary shoes and socks and place in the lockers.
- C. Cross over the bench.
- D. Now wear first change shoes.

### **Exit from first change room**

- Remove first change room uniform and shoes and keep in the lockers  
Dispose of all disposable garments and shoe cover. After working hours drop factory socks in socks bin which placed in the first change room.



❖ **Precaution**

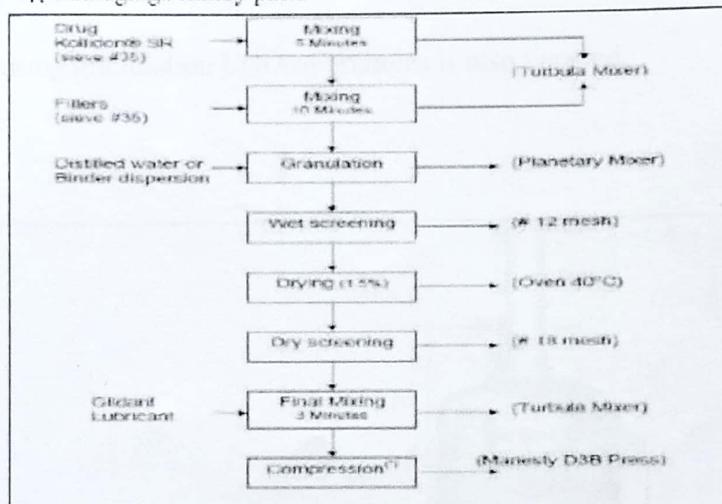
- I. At the time of entering toilet, remove first change shoes and wear separate footwear which provided by the factory.
- II. Coming out of the toilet again wear first change shoes.



## Manufacturing of Tablets:

Where actual manufacturing of tablets take place. Manufacturing plant involves majorly 4 departments as,

1. Granulation.
2. Compression.
3. Coating.
4. Packaging: Primary pack.



## Instruments used in Production,

- Stainless Steel Reactor.
- Glass Lined Reactor.
- Press Filter.
- Sparkler Filter.
- Leaf Filter.
- Centrifuge.
- Tray Dryer.
- Vacuum Try Dryer.
- Rota Cone Vacuum Dryer

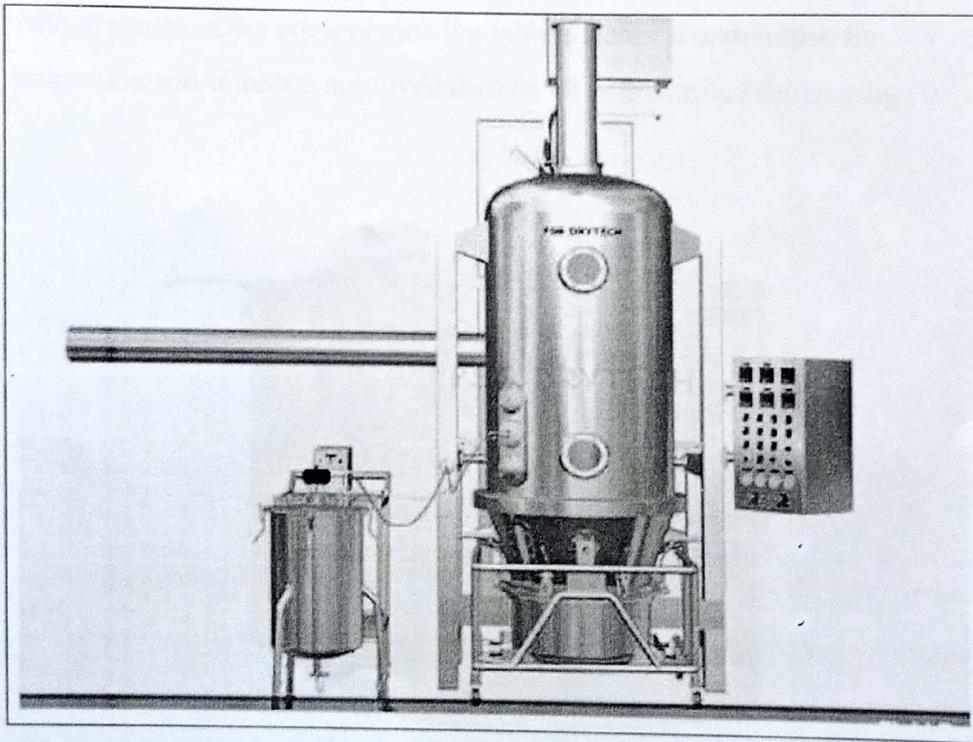


**1) Granulation:-**

During granulation for different product, different environmental parameters to be checked as temperature relative humidity (RH) and pressure, is regulated by magnetic gauze.

Total 12 granulation units are present which are used depending upon type of product to be processed. For light sensitive material yellow light is used.

During granulation LOD of granules is also verified.



GRANULATION PROCESS MACHINE



### Worker safety-

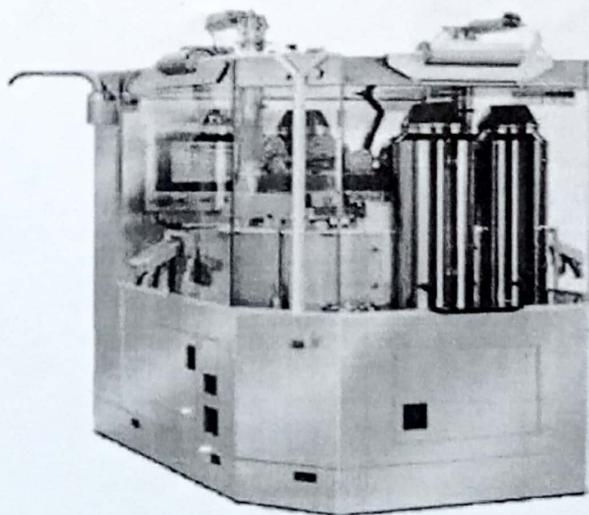
#### Worker safety

Safety of worker is also considered during granulation process as instruments starts employee who works there should be out of room and door is locked as you touch door from outside automatically instruments stop. Or during process any problem occurs or process time over instruments stop automatically.

#### 2) Compression:-

Compression machine used: Kroch XT600.

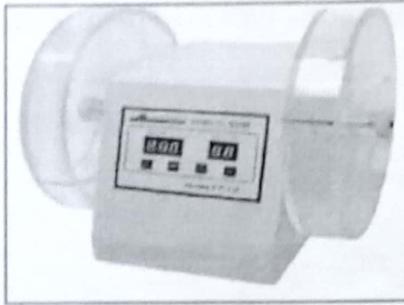
Advanced high speed automatic compression machine are present. Before compression the special instrument is present for mixing of lubricants with granules. After compression the tablets stores at warehouse for inspection and if tablets approved then batch is forwarded for coating.



**IPQC Tests:**

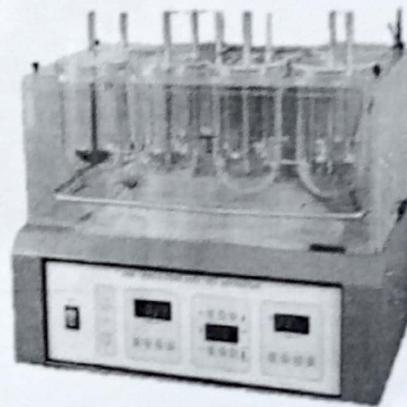
Separate IPQC room is present near to compression area. Different IPQC tests for tablets

Which as follows:



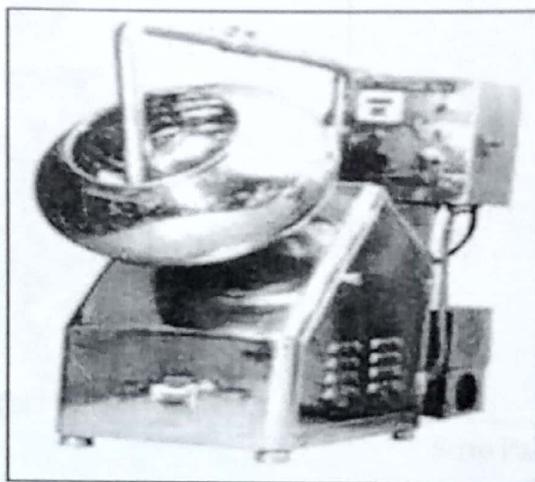
Friability tester

Dissolution Apparatus



### Coating:

Coating machine is present for tablet coating in which spray gun is used and hot air supplied for simultaneous drying of tablets. Different plasticizers, polymers and solvents are used for coating. Majorly coating is carried out to masked odour and taste of tablets. Film coating is available. Coating defects are automatically checked and verified and defected tablet reject automatically.



COATING MACHINE

### 3) Packaging:-

1. Primary packaging.

a) Strip pack.

b) Blister pack.

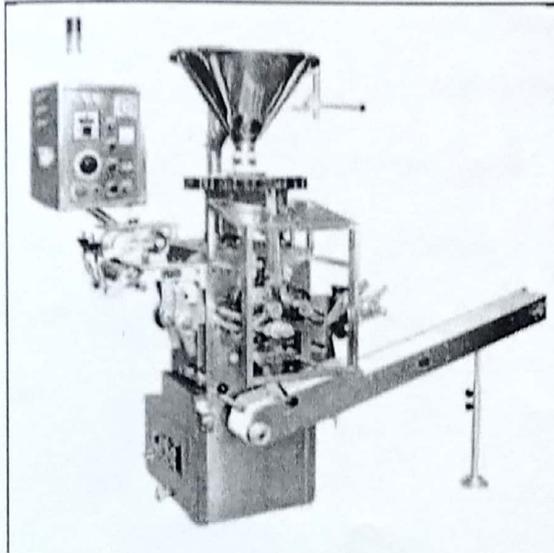
Packaging of tablets and capsules takes place either in strips or container. Initially product undergoes primary packing followed by secondary packing. The defects are automatically checked and defected packing is rejected by auto sensor. After packing cartons and boxes are stored in warehouses.

During manufacturing of tablets each and process parameters is provided by R&D department like name, amount and concentration of excipient used.



Information is provided by R&D. During manufacturing documentation is also maintained like BMR (Batch Manufacturing Record), BPR (Batch Production Record), and MPR (Master Production Record).

Blister Packing



Strip Packing



## Manufacturing of Capsules:

Empty capsule shell are provided to company by HGC Suppliers by Capsule (universal)

Capsule filling and packaging is carried out automatically.

During capsule manufacturing instruments used fallows,

Capsule filling – AF 90T (Automatic filling 90 Thousand)

ZRO 200 T (Zero Relative Operation 200 Thousand)

Weight checker – IMA Active Precise 18

The qualification of machine includes,

IQ (Instrumental Qualification)

PQ (Process Qualification)

DQ (Design Qualification)



During process different material required for capsule manufacturing is stored at warehouse.

Material includes granules, empty gelatin shell, packing material for capsules etc.

Filling of HGC shell (capsules)

- Rectification.
- Separation cap from body.
- Filling of body.
- Scrapping the excess of powder. Replacing the cap.
- Sealing the capsules.

Cleaning the outside of filled capsules.

- Brushing.

Quality Assurance/ Quality Control:

QC – Involved in analysis of compounds.

QA –Involved in documentation and developments.

Departments of QA –

- ✓ IPQA (In Process Quality Assurance).
- ✓ QMS (Quality Management System).
- ✓ DQA (Development Quality Assurance).
- ✓ CQA (Corporate Quality Assurance).
- ✓ AQA (Analytical Quality Assurance).
- ✓ DQA (Documentation Quality Assurance).
- ✓ ITQA (Information Technology Quality Assurance).



### **Instruments used in QA Department:**

- HPLC (High Performance Liquid Chromatography).
- GC (Gas Chromatography).
- IR (Infra-Red Spectrophotometer).
- UV (Ultra Violet Spectrophotometer).
- Specific Optical Rotation.
- PH Meter.
- Kf Titrator.
- Potentiometer.

In each and every step of production QA/QC involves analysis of starting material, different intermediate and final products. After QA/QC approval the product is sent for the further process. Hence it plays an important role in any pharmaceutical company.

QC department includes different apparatus like HPLC, U. V., Spectrophotometry, Dissolution and other instruments like Magnetic stirrer, weighing balance etc.

Store room – used for storage of different intermediate testing samples. The temperature of this room control is in between 18 to 19 °C.

Washing area – For cleaning of different apparatus.

Warehouse: It contains two types of warehouse

A. For storage of starting material and packaging material.

B. For storage of intermediate in process material.

It involves storage of granules, uncoated tablets, coated tablets etc. for transport of material from dispensing area to production area use of metal cases is done by which dispensed containers are used with label which contain all the information of this material (like date of manufacturing, name of drug, target, weight of produced.).

- Before entering warehouse wear yellow colored helmet safety

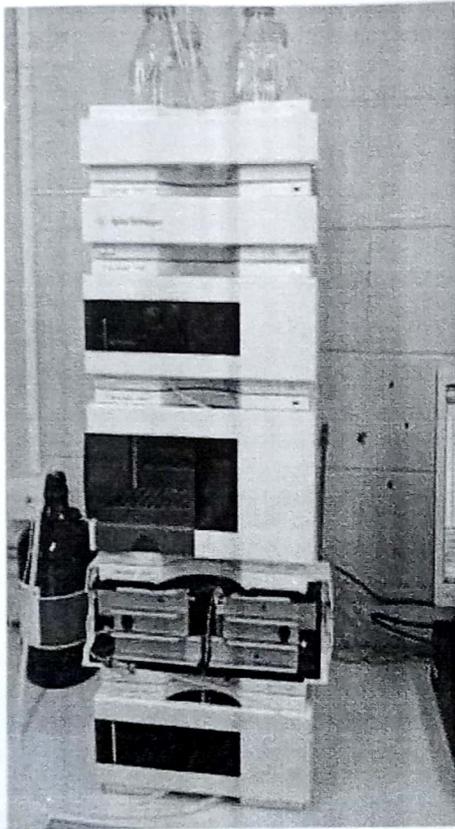


It is the area for storage of the material with their suitable storage conditions. In warehouse first in first out process followed.

- In warehouse there is one record room for maintaining record and information about storage material.
  - In warehouse following material are stored,
    - i. In process manufacturing materials.
    - ii. Granules.
    - iii. Uncoated tablets.
    - iv. Coated tablets.
    - v. Excipients.
    - vi. De- dusting area.
    - vii. Quarantine area.
    - viii. Rejected area.
  - For different products different environment parameters are to be checked i.e. temperature, humidity & pressure etc.
  - Everywhere HEPA filters are placed i.e. R- Return, S- Supply.
  - Every material used to have a product label it include wt. of container, wt. of product, net wt. of product, signature of authorized person, unique barcode, date of mfg. & exp.
  - Warehouse consists of a crane for moving a material from one place to another place.  
There are colored label which are in material barrels.
  - Following colors indicates the following information:
    - 1. Yellow colour – Newly received material.
    - 2. Orange colour – Sample taken by QC
    - 3. Green colour – Product is approved by QA.
  - During each process quality of material is carried out by QA&QC
- Cold storage is also available in warehouse for some products.



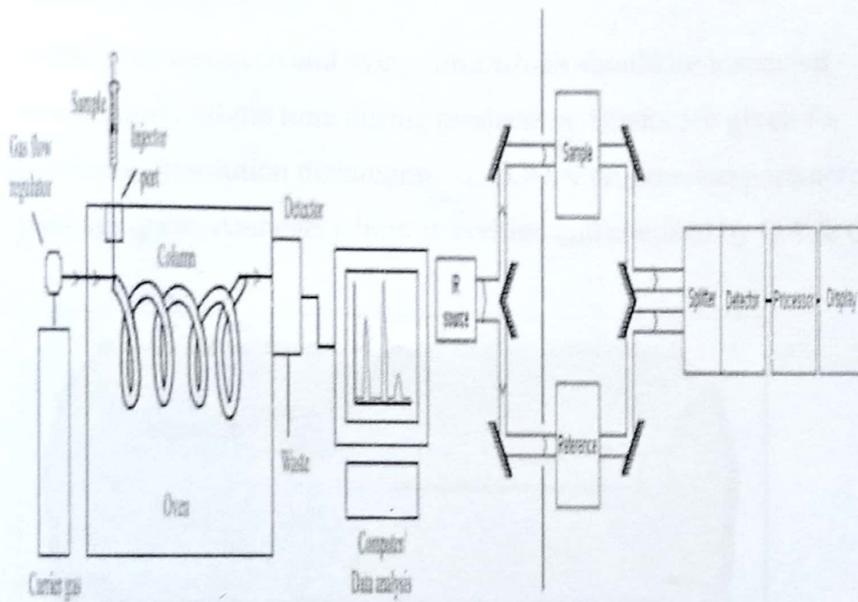
FTIR



UV Spectrophotometer



# Gas column chromatography

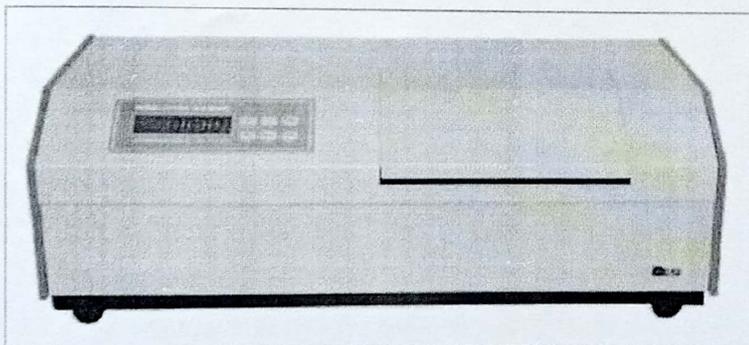


### Research and Development (R&D) Department:

This department plays crucial role in manufacturing of pharmaceutical preparation. It decides every parameter of production like excipient used with their concentration, etc.

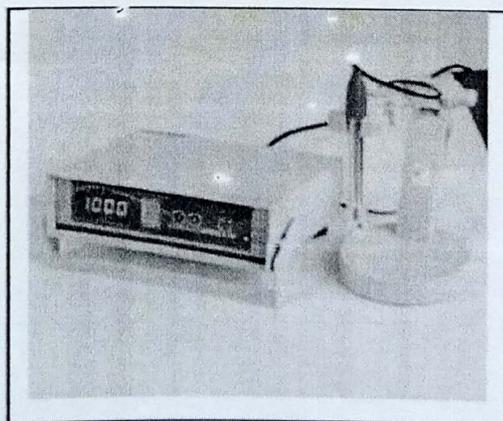
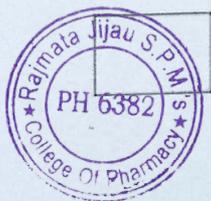
It provides limits of various environmental factors like temperature, pressure, relative humidity, light etc. It also provides storage conditions for different intermediate material. R&D also gives information related to and size of tablets, capsules along with equipment's and process to be used during manufacturing.

It also provides each and every limit which should be inspected continuously all the time during production. Limits are given for hardness, dissolution disintegration, LOD, Compression parameter, packaging etc. And every limit is verified and checked by QA & QC



Polarimeter

PH METER



## SUMMARY

NuLife is a leading pharmaceutical company having GMP & WHO certified manufacturing unit having world class facilities. We “NuLife Pharmaceuticals” are foremost trader of highly effective range of Pharmaceutical Tablets, Capsules, liquid oral and external preparation.

We deliver high-quality, cost-effective health care management through quality drugs with greater safety, stability & effectiveness



Photograph:



## CONCLUSION

By the end of the completion of industrial training, we enhanced competencies and competitiveness in our respective area of specialization. We tried to relate the experience in the workplace with knowledge learned in the institute and applied the knowledge on the job under supervision.

Here we acquired experience and knowledge that can be used for suitable job without delay after studies.

We learned to hone soft skills appropriate to the work environment & also get improvised our communication skills. We assessed career ability, knowledge and confidence as well as enhanced our marketability to be more competitive.

With experience, knowledge and skills acquired during industrial training me will be better prepare to face changing pharmaceutical





RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S  
**COLLEGE OF PHARMACY (B.Pharm.)**

Approved by PCI, AICTE, Govt. of Maharashtra & DTE  
Affiliated to Savitribai Phule Pune University, Pune  
DTE Code:- 6382 University Code:- CPHP013150



Certified by ISO 9001-2015,  
ISO : 14001-2015

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President

Hon. Shri. Sudhir V. Mungase  
Secretary

Hon. Shri. Ajit D. Gavhane  
Treasurer

Dr. Kishor S. Jain  
Principal

## 5. Industrial Visits



RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S

## COLLEGE OF PHARMACY

Approved by AICTE & PCI New Delhi, DTE, Govt. of Maharashtra &  
Affiliated to University of Pune

Gat No.101/102, A. Post-Dudulgaon, Post-Alandi, Tal-Haveli, Dist-Pune - 412 105

E-mail: rjspmcp123@gmail.com Web: www.rjspmpharmacy.com

Univ Id: PU/PN Pharm/286/2007

College Code:1081

DTE Code:6382



### SUMMARY OF INDUSTRIAL VISIT

#### Academic Year 2021-2022

Sr. No.	Name of the Industry	Academic Year	Date
1.	Nulife Pharmaceutical Pvt. Ltd.	2021-22	21/05/2022
2.	Chakan lifesciences Pvt. Ltd.	2021-22	26/04/2022
3.	Plassiflora Laboratories	2021-22	26/04/2022



  
**PRINCIPAL**  
Rajmata Jijau Shikshan Prasarak Mandal's  
**COLLEGE OF PHARMACY**  
Dudulgaon, Pune-412 105.

**A  
REPORT ON  
INDUSTRIAL VISIT  
AT  
PASSIFLORA LABORATORIES**



**ON 26<sup>th</sup> April, 2022**

**BY STUDENTS OF  
FINAL YEAR B. PHARMACY**

**ACCOMPNIED BY  
PROF. A.B.KUMBHAR AND ASST. PROF. O.H.KOLHE  
AND ASST.PROF.A.Z.GITE**

**ORGANISED BY  
RJSPM'S COLLEGE OF PHARMACY, DUDULGAON, ALANDI**





**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.

**Name Of industry: PASSIFLORA LABORATORIES****Location:Ghotawade Phata, Mulshi, Pune**

The visit was organized with the prior permission and guidance of Hon. Principal **Dr.K.S.Jain**.and HOD of Pharmacy Department Prof. **A.B.Kumbhar**.

*On 26<sup>th</sup> April 2022 (Tuesday) students of RJSPM's final year B.Pharmacy got good opportunity to visit one of the top pharmaceutical industry of the world "PASSIFLORA LABORATORIES". This plant is located at Ghotawade Phata, Mulshi, Pune. Total 26 students along with 3 faculty members have joined this industrial visit. This plant mainly deals with manufacturing of lotion, ointment, and liquid dosage forms and tablets.*



*Our college team reached the industry at 03.00 p.m. We met to eminent personalities Mr. Pravin Jagtap We had great experience with them. Firstly they introduced PASSIFLORA LABORATORIES to us. This organization is approved by WHO and follows WHO guidelines. They are manufacturing wide range of products as per I.P. They deal in manufacturing of lotion, ointment, and liquid dosage forms and tablets..*

## **ABOUT INDUSTRY:**

### **HISTORY:**

Established in the year 2019, Passiflora is an emerging company that focuses on making body and bath essentials. The company formulates, manufactures and fills a variety of skin and hair care products which nourishes your skin and keep you going all day long. We are a team of enthusiasts who focus on providing effective cosmetic in the hands of end-user.

### **MISSION:**

To manufacture superior beauty products with innovations & to provide a total solution for product development platform for our customers, by providing production capability with the best in class people, processes, and facilities. To offer an agile outsourcing alternative for the global beauty brand customers, by offering excellent quality and diversified services to our clients.

### **VISION:**

We aspire to be a globally admired cosmetics manufacturing company, providing excellent quality products & services that offer original results and quality of life to our customers.

### **Values:**

We are committed to the enduring values of integrity accountability, innovation and flexibility, value creation and social responsibility.



**Total plant is divided into following sections:**

- Quarantine area
- Manufacturing of Semisolid dosage form
- Manufacturing of Liquid dosage form
- Packaging area
- Quality control area
- Administration area

- **Quarantine area:**

This area is divided in to two sections, Raw material storage area and weighing area.

After receiving material in quarantine area, it is mark with red tag. Yellow tag is used for under testing materials and green tag is used for passed materials.

- **Manufacturing of Semisolid dosage form**

This area is totally dedicated to manufacturing of lotion, ointment, creams.

- **Manufacturing of Liquid dosage form**

This area is totally dedicated to manufacturing of ear drops, eye drops, nasal drops, ayurvedic liquid dosage forms.

- **Packaging area:**

Automatic blister packaging machine is used for packaging of tables and capsule. This area is totally segregated from manufacturing area.



## **THE ENVIRONMENT PROTECTION, SAFETY & HEALTH POLICY:**

The “passiflora laboratories” emphasizes full adherence to all Safety, Health and Environment Protection requirements outlined in different National Laws, statutes, regulations, standards and provisions in general as well as in agreed contract requirements.

## **CAREER OPPORTUNITY:**

Passiflora laboratories gives career opportunity to D. Pharm, B.Pharm, M.Pharm, students.

## **STUDENTS OPINION:**

It was fascinating to observe the entire manufacturing and packaging process. It was the finest experience we've ever had since we learned a lot about our future jobs and how they're done. Also we all want to express our gratitude to our professors.

----- Prajakta Agarkar

Industrial visit was very nice. We got an idea about GMP regulations. Also we learn about the whole manufacturing and packing process of the many different products.

----- Ravi Atole

On behalf of management members, teaching staff and students, we take this opportunity to thank the entire team of “passiflora laboratories ltd” for providing us practical information, for the perfect logistic support and guidance.



  
PRINCIPAL  
Rajmata Jijau Shikshan Prasarak Mandal's  
COLLEGE OF PHARMACY  
Dudulgaon, Pune-412 105.

**A**  
**REPORT ON**  
**INDUSTRIAL VISIT**  
**AT**  
**NULIFE PHARMACEUTICAL**



**ON 21<sup>st</sup> May, 2022**

**BY STUDENTS OF**  
**FIRST YEAR B. PHARMACY**

**ACCOMPNIED BY**

**Asst.Prof. S.N.Ghodekar, Asst.Prof. S.V.Mane And Asst.Prof.A.Z.Gite**

**ORGANISED BY**

**RJSPM'S COLLEGE OF PHARMACY, DUDULGAON, ALANDI**



## 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.

**Name Of industry: NULIFE PHARMACEUTICAL**

**Location: MIDC, Pimpri, Pune**

The visit was organized with the prior permission and guidance of Hon. Principal **Dr. K.S.Jain** and HOD of Pharmacy Department **Prof. A. B. Kumbhar**.

*On 21<sup>st</sup> May, 2022 (Saturday) students of RJSPM's Third year B.Pharmacy got good opportunity to visit one of the top pharmaceutical industry of the world "Nulife Pharmaceuticals Ltd". This plant is located at MIDC, Pimpri, Pune. Total 54 students along with 3 faculty members have joined this industrial visit. This plant mainly deals with manufacturing of lotion, ointment, ear drops, ayurvedic and allopathic liquid oral dosage forms and tablets.*





*Our college team reached the industry at 10.00 a.m. We met to eminent personalities Mr. Rajesh Jadhav and Mr. Prashant Saste. We had great experience with them. Firstly they introduced Nulife pharmaceuticals to us. This organization is approved by WHO and follows WHO guidelines. They are manufacturing wide range of products as per I.P. They deal in manufacturing of lotion, ointment, ear drops, ayurvedic and allopathic liquid oral dosage form. They mainly interested in export market. They have total 5 products for export market.*

***Nulife Pharmaceuticals, WHO GMP certified plant, ensuring that all products meet the most stringent quality standards.***

#### **ABOUT INDUSTRY:**

#### **HISTORY:**

Mr. J.A.TRIVEDI the founder established NuLife Pharmaceuticals in the year 1973.



Mr. Trivedi had a rich experience of pharmaceutical marketing.

Mr. Umesh J. Trivedi son of late Mr J A. TRIVEDI, a qualified pharma professional, contributes substantially to lead NuLife Pharmaceuticals towards the successful avenues of growth & development.

Over the period the Company has grown in all directions.

Our product range comprises of more than 60 formulations NuLife has offices in Mumbai & Pune and distribution almost all over India

We are proactive in ensuring that our Company values are widely understood and implemented. These mission, values & vision have played an invaluable role in the success and growth of NuLife Pharmaceuticals.

#### **MISSION :**

- To be amongst the top Healthcare Companies.
- To ensure better quality of life for people all over the country by providing the best in healthcare, pharma and allied products, of the highest standards.

#### **VISION :**

- Emerge as quality producer, visible, competitive and committed member of global health-care industry.
- Be seen and felt as highly ethical organization.
- Organization is devoted and committed to customer service, customer satisfaction and social responsibility.
- Emerge as one of the benchmarked companies in healthcare industry.

#### **Values:**

- We value “All our Employees, Customers, Bankers, Depositors and Suppliers” as our prime assets.
- We believe that “Integrity”, “Honesty”, “Tolerance” and “Patience” are fundamental virtues in business.
- We actively promote “Holistic Human Development” as part of building intellectual capital in our organization.



- We are committed to building culture of “Excellence” and “World-Class” standards through benchmarking and continuous enhancement of our performance standards.

**Total plant is divided into following sections:**

- Quarantine area
- Manufacturing of Solid dosage form
- Manufacturing of Semisolid dosage form
- Manufacturing of Liquid dosage form
- Packaging area
- Quality control area
- Administration are
- **Quarantine area:**

This area is divided in to two sections, Raw material storage area and weighing area.

After receiving material in quarantine area, it is mark with red tag. Yellow tag is used for under testing materials and green tag is used for passed materials.

- **Manufacturing of Solid dosage from:**

**This area is subdivided in to different section like,**

Sr.No.	Section	Apparatus used
1	Granulation	FBD, V shaped blender, double cone blender
2	Tablet compression	Multistation compression machine, Disintegration tester, friability tester, hardness tester
3	Tablet coating	Semiautomatic tablets coating pan, Spraying gun
4	Capsule filling and inspection area	Automatic capsule filling machine



- **Manufacturing of Semisolid dosage form**

This area is totally dedicated to manufacturing of lotion, ointment, creams.

- **Manufacturing of Liquid dosage form**

This area is totally dedicated to manufacturing of ear drops, eye drops, nasal drops, ayurvedic liquid dosage forms.

- **Packaging area:**

Automatic blister packaging machine is used for packaging of tables and capsule. This area is totally segregated from manufacturing area.

**MARKETED PREPARATION:**



Clotrin-B Lotion  
Packing : 15 ml



Salen Capsules  
Packing : 3 x 10



Salen Solution  
Packing : 25 ml



FM Derma Ointment  
Packing : 10 gm



NuNaf Tablets  
Packing: 10x10



## **THE ENVIRONMENT PROTECTION, SAFETY & HEALTH POLICY:**

The “Nulife Pharmaceuticals” emphasizes full adherence to all Safety, Health and Environment Protection requirements outlined in different National Laws, statutes, regulations, standards and provisions in general as well as in agreed contract requirements.

## **AWARDS:**

- NuLife Pharmaceuticals has won in the Company’s Silver Jubilee Year 1999 the prestigious “Rajiv Gandhi National Quality Award”, instituted by the Indian Bureau of Standards for the year 1997 along with the Commendation Certificates for 1995 & 1996. The award is considered at par with the best in international quality movement and is similar to Malcolm Baldrige National Quality Award in the USA and Deming Prize in Japan and so also the European Quality Award.
- We also received the Best Safety performance Award by the Director (Health & Safety) in 1990, 1991 and 1993
- We are the winner of CAG Award for excellence in packaging.
- We are certified by WHO & possess WHO-GMP certificate for our products

## **CAREER OPPORTUNITY:**

Nulife Pharmaceutical gives career opportunity to D. Pharm, B.Pharm, M.Pharm, B.Sc. and M.Sc. students.

## **STUDENTS OPINION:**

We had an industrial visit to Nulife Pharmaceutical, Pimpri. It was a worth watch all the process of manufacturing and packaging. It was our best experience because we got the knowledge about our future working and the way in which the work is carried out. We all would like to thank our teachers.

----- Sanchita Patole

This Industrial visit really made the collaboration between the practical and therotical study. We get to know real time packaging system. How eaxact GMP is followed in industry.

----- Sayali Gadhve



On behalf of management members, teaching staff and students, we take this opportunity to thank the entire team of “Nulife Pharmaceuticals Ltd.” for providing us practical information, for the perfect logistic support and guidance.



**A  
REPORT ON  
INDUSTRIAL VISIT  
AT  
CHAKAN LIFE SCIENCES PRIVATE LIMITED**

**ON 26<sup>th</sup> APRIL, 2022**

**BY STUDENTS OF  
FINAL YEAR B. PHARMACY**

**ACCOMPNIED BY  
PROF. A.B. KUMBHAR, ASST.PROF.O.H.KOLHE AND ASST.PROF. A.Z.GITE**

**ORGANISED BY  
RJSPM'S COLLEGE OF PHARMACY, DUDULGAON, ALANDI**



**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.

**Name Of industry: CHAKAN LIFE SCIENCES****Location: BHARE, MULSHI, PUNE**

The visit was organized with the prior permission and guidance of Hon. Principal **Dr. K.S.JAIN** and HOD of Pharmacy Department Prof. **A.B.Kumbhar**.

*On 26<sup>th</sup> April, 2022 (Tuesday) students of RJSPM's First year B.Pharmacy got good opportunity to visit one of the top Pharmaceutical Industry "CHAKAN LIFE SCIENCES PRIVATE LIMITED". This plant is located at Bhare, Mulshi, Pune. Total 23 students along with 3 faculty members have joined this industrial visit. This plant mainly deals with manufacturing of medical device/Repacking.*





## **ABOUT INDUSTRY:**

### **HISTORY:**

Chakan Life Sciences Private Limited is a 9 years 6 months old Private Company incorporated on 26<sup>th</sup> April, 2022.

Its registered office is in Pune, Maharashtra, India. The Company's status is Active, and it has filed its Annual Returns and Financial Statements up to 31 Mar 2020 (FY 2019-2020).

### **MISSION:**

- To be amongst the top Healthcare Companies.
- To ensure better quality of life for people all over the country by providing the best in healthcare, Pharma and allied products, of the highest standards.

### **VISION:**

- Emerge as quality producer, visible, competitive and committed member of global health-care industry.
- Be seen and felt as highly ethical organization.



- Organization is devoted and committed to customer service, customer satisfaction and social responsibility.
- Emerge as one of the benchmarked companies in healthcare industry.

**Values:**

- We value “All our Employees, Customers, Bankers, Depositors and Suppliers” as our prime assets.
- We believe that “Integrity”, “Honesty”, “Tolerance” and “Patience” are fundamental virtues in business.
- We actively promote “Holistic Human Development” as part of building intellectual capital in our organization.
- We are committed to building culture of “Excellence” and “World-Class” standards through benchmarking and continuous enhancement of our performance standards.

**CAREER OPPORTUNITY:**

Chakan Life Science gives career opportunity to D. Pharm, B.Pharm, M.Pharm, B.Sc., M.Sc. students.

**STUDENTS OPINION:**

We had an industrial visit to Chakan Life Science. It was a worth watch all the process of packaging. It was our best experience because we got the knowledge about our future working and the way in which the work is carried out. We all would like to thank our teachers.

----- Ravi Atole

Industrial visit was nice. We got an idea about SOP.

----- Lalit Unde

On behalf of management members, teaching staff and students, we take this opportunity to thank the entire team of “Chakan Life Sciences” for providing us practical information, for the perfect logistic support and guidance.





RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S  
**COLLEGE OF PHARMACY (B.Pharm.)**

Approved by PCI, AICTE, Govt. of Maharashtra & DTE  
Affiliated to Savitribai Phule Pune University, Pune  
DTE Code:- 6382 University Code:- CPHPO13150



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President

Hon. Shri. Sudhir V. Mungase  
Secretary

Hon. Shri. Ajit D. Gavhane  
Treasurer

Dr. Kishor S. Jain  
Principal

## 6. List of the students completed project work

**Project work : List of Project Title (along with students & Guide) A. Y. 2021-22**

Department: Pharmaceutics					
Sr. No.	Roll No.	Title	Name of student	Name of Guide	Signature
1	406	Recent innovation in oral care products	BADE ROHIT ASHOK	Mr. A. B. Kumbhar	
2	421		GHARE AISEWARYA SHAMKANT		
3	434		KOKATE PRAGATI OMPRAKASH		
4	450		PAWAR TEJASHRI SUNIL		
5	408	Review on Novel drug delivery in Cosmeceuticals	EINAWADE BHAGYASHRI SOPAN	Ms. P. S. Deorankar	
6	409		EORATE NANDINI BALU		
7	430		KAMBLE PRATIKSHA GUNDU		
8	441		MENDHAKE ARVIND GANGADHAR		
9	469		UNDE LALIT FRAVIN		
10	410	Formulation & evaluation of Herbal Sunscreen cream/lotion	CHOPADE ABEIJEET PANDURANG	Mr. S. V. Mane	
11	411		CHOUDHARI SRUSHTI PANDIT		
12	423		GUNAWARE AISHWARYA PANALAL		
13	431		KAUTE RUCHIKA GANESH		
14	436		KOTWAL SUYASH SUNIL		
15	437	Formulation & evaluation of Herbal Scrub	KSHIRSAGAR VISHAL MOHANRAO	Ms. P. V. Bagade	
16	443		NEWALE PRITEE SANDEEP		
17	444		PANCHAL SHUBHAM SHRIRANG		
18	448		PATIL SNEHA RAMRATAN		
19	460		SHINDE DAMINI PRADEEP		
20	415	Formulation & evaluation of Herbal face mask for Glowing skin	DHIWAR PRIYANKA RAVINDRA	Mr. O. H. Kolhe	
21	429		KAD PRAJAKTA		
22	438		MALI GOKUL EANDURANG		
23	446		PAREKAR TANMAY PRAKASH		
24	458		SHEKHARE KAVERI DEVRAM		
25	401	Review on Recent advances on cosmetic science	AGARKAR PRAJAKTA TANAJI	Ms. A. Z. Gite	
26	404		ATOLE RAVI GAJANAN		
27	407		BHOR PRIYANEA EHAUSAHEB		





28	414		DATE NIKHIL NAMDEV		
29	435		KOLHE YOGESH BAPU		
<b>Department: Pharmaceutical Chemistry</b>					
30	445	Review on Analytical tools in protecomics	PANCHAL VARSHARANI PRAKASH	Ms. A. K. Thikekar	
31	452		RATHOD VISHAL SANTOSH		
32	454		RAUT ROHAN SHANKAR		
33	455		RAUT SAMRUDDHI ANKUSH		
34	405	Review on RTK inhibitors as anticancer drug candidates	ATTAR ARSHIYA BASHIR	Mr. P. V. Rane	
35	439		MANE SHANI SHIVAJI		
36	456		SALGAR RUPALI DATTATRAY		
37	457		SAWANT VAIBHAVI VASANT		
38	470		WAMBORIKAR ADITYA RAJAN		
39	412	<i>Analytical method validations - a review. DR review on Bioanalytical method developments and their importance.</i> and validations- a review or review on Bioanalytical method developments and	CHOUDHARI VIMLA SHOBHARAM	Mr. A. N. Phuge	
40	427		JAGTAP AISHWARYA SHARAD		
41	428		JAMBE RUTUJA PRASAD		
42	459		SHINDE AMRUTA PRITHVIRAJ		
43	463		SONAWANE RUTUJA SATISH		
44	416	Drug design using different online <i>free</i> software- Autodock	GADADE PREENA VITTHAL	Ms. A. V. Malusare	
45	426		JAGDALE GAYATRI BHAGWAN		
46	451		POKHARKAR MAYURI LAXMAN		
47	453		RAUT AKANKSHA SAKHARAM		
48	468		TITKARE NIKHIL GULAB		
49	413	<i>Review on Antiarrhythmic activity of DDH - needs change</i> <i>Drug design using diff. online free - software - Autodock</i>	CHOUDHARY NILU AMARARAM	Ms. L. K. Raut	
50	420		GAYKAR PRAVIN APPA		
51	422		GOTE VAIBHAV SURESH		
52	442		MUNDE PRATAP NAMDEV		
53	461		SHINDE VAISHNAVI BALARAM		
<b>Department: Pharmacology</b>					
54	402	Pharmacovigilance overview/survey of PEDIATRIC CLINICAL TRIALS	AMBHORE KIRAN INDRABA	Mr. G. R. Sakhare	
55	449		PAWAR RUTUJA ANAJI		
56	466		SURYAWANSHI SANDHYA BHAGWAT		
57	471		YELWANDE PURVA BALASAHEB		



*Handwritten signature*

58	403	Pharmacovigilance overview/survey of vaccines/Antibiotics	ATOLE MAHESH SUNDARRAO	Ms. S. S. Shaikh	<i>Shelay</i>
59	419		GAVALI PRATIKSHA KISAN		
60	425		JAGATAP AMRUTRAJ JIVAN		
61	432		KAZI FAIZAN MUNIR		
62	440		MASKARE PRATIK SANTOSH		
<b>Department: Pharmacogony</b>					
63	417	Review on phytochemicals as Nutraceuticals	GADHAVE RAHUL UTTAMRAO	Mr. J. S. Dhumal	<i>J</i>
64	418		GATKAL ABHISHEK SUHAS		
65	433		KIRVE PRAJKTA RAJENDRA		
66	467		TATHE ABHIJEET POPAT		
67	424		Effect elicitation on some medicinal plants used in Nutraceuticals & Dietary s <i>Effect of elicitation on some medicinal plants<sup>used</sup> in Nutraceuticals &amp; Dietary Supplements</i>		
68	447	PARHAD NINAD VIKAS			
69	462	SINGH ASHU BHUPESH			
70	464	SURYAWANSHI ADITYA DEEPAK			
71	465	SURYAWANSHI RUTIKA YOGIRAJ			

*Deorankar*  
Academic Research Co-ordinator

*Ms. P. S. Deorankar*



*Principal*  
Principal

**PRINCIPAL**

Rajmata Jijau Shikshan Prasarak Mandal's  
**COLLEGE OF PHARMACY**  
Dudulgaon, Pune-412 105.



RAJMATA JIJAU SHIKSHAN PRASARAK MANDAL'S  
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President

Hon. Shri. Sudhir V. Mungase  
Secretary

Hon. Shri. Ajit D. Gavhane  
Treasurer

Dr. Kishor S. Jain  
Principal

## 7. Project work certificates

राजमाता जिजाऊ शिक्षण प्रसारक मंडळाचे, कॉलेज ऑफ फार्मसी

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## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**EFFECT OF ELICITORS ON SOME IMPORTANT PLANTS USED IN  
NUTRACEUTICAL**

By,

### Students Name

Mr. Satyawan Gutte  
Mr. Ninad Parhad  
Mr. Ashu Singh  
Mr. Aditya Suryawanshi  
Ms. Rutika Suryawanshi  
(B. Pharm. Sem. VIII)

Which is in the partial fulfilment of activity carried out for the degree of Bachelor of Pharmacy at the RJSPM, College of Pharmacy affiliated to Savitribai Phule Pune University, Pune (Maharashtra) and as the syllabus requirement by the Pharmacy Council of India, New Delhi, has been carried out under my guidance and supervision and is now ready for the examination.

**Mr. S. N. Ghodekar**  
GUIDE  
Assistant Professor  
(Pharmacognosy)

**Ms. P. S. Deorankar**  
ACADEMIC RESEARCH CO-ORDINATOR

**Dr. K.S. Jain**  
PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 24/05/2022



PLACE: Dudulgaon



## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,

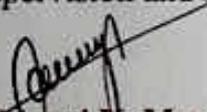
*Formulation of natural/herbal sunscreen lotion*

By,

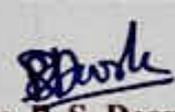
### Students Name

Ms. Aishwarya P. Gunaware  
Mr. Suyash S. Kotwal  
Mr. Abhijeet P. Chopade  
Ms. Srushti P. Chaudhari  
Ms. Ruchika G. Kaute  
(B. Pharm. Sem. VIII)

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Mr. Shilraj V. Mane  
GUIDE

Assistant Professor  
(Pharmaceutics)

  
Ms. P. S. Deorankar  
ACADEMIC RESEARCH CO-ORDINATOR

  
Dr. K. S. Jain  
PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 24/05/2022



PLACE: Dudulgaon



## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**A REVIEW ON RECENT TRENDS IN ORAL CARE PRODUCTS**

By,

### Students Name

Mr. Rohit A. Bade  
Ms. Aishwarya S. Ghare  
Ms. Pragati O. Kokate  
Ms. Tejashri S. Pawar  
(B. Pharm. Sem. VIII)

is in the partial fulfillment of activity carried out for the degree of Bachelor of Pharmacy at the RJSPM's, College of Pharmacy affiliated to Savitribai Phule Pune University, Pune (Maharashtra) and as the syllabus requirement by the Pharmacy Council of India, New Delhi, which has been carried out under my guidance and supervision and is now ready for the examination.

Mr. A. B. Kumbhar  
GUIDE

Ms. P. S. Deorankar  
ACADEMIC RESEARCH CO-ORDINATOR

Dr. K. S. Jain  
PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 25/05/2022



PLACE: Dudulgaon, Pune



## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**A REVIEW ON-ANALYTICAL TOOLS IN PROTEOMICS**

By,

### Students Name

Mr. Vishal S. Rathod  
Ms. Varsharani P. Panchal  
Ms. Samruddhi A. Raut  
Mr. Rohan S. Raut  
(B. Pharm. Sem. VIII)

Which is in the partial fulfilment of activity carried out for the degree of Bachelor of Pharmacy at the RJSPM, College of Pharmacy affiliated to Savitribai Phule Pune University, Pune (Maharashtra) and as the syllabus requirement by the Pharmacy Council of India, New Delhi, has been carried out under my guidance and supervision and is now ready for the examination.

**Ms. A. K. Thikekar**  
GUIDE  
Assistant Professor  
(Pharmaceutical Chemistry)

**Ms. P. S. Deorankar**  
ACADEMIC RESEARCH CO-ORDINATOR

**Dr. K. S. Jain**  
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**RJSPM's College of Pharmacy**

DATE: 24.5.22



PLACE: Dudulgaon



## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**A REVIEW ON CURRENT TRENDS IN NOVEL DRUG DELIVERY SYSTEM**

By,

### Students Name

Ms. Bhagyashri S. Binawade  
Ms. Nandini B. Borate  
Ms. Pratiksha G. Kamble  
Mr. Arvind G. Mendhake  
Mr. Lalit P. Unde

(B. Pharm. Sem. VIII)

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Ms. P. S. Deorankar  
GUIDE  
Assistant Professor  
(Pharmaceutics)

Ms. P. S. Deorankar  
ACADEMIC RESEARCH CO-ORDINATOR

Dr. K.S. Jain  
PRINCIPAL

RJSPM's College of Pharmacy

DATE: 24/05/2022



PLACE: Dudulgaon



## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**STANDARD OPERATING PROCEDURE OF ANALYTICAL INSTRUMENTS**

By,

**Students Name**

Ms. Nilu Choudhary  
Ms. Vaishnavi Shinde  
Mr. Vaibhav Gote  
Mr. Pratap Munde  
Mr. Pravin Gayakar

**(B. Pharm. Sem. VIII)**

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**Ms. Lineeta K. Raut**  
GUIDE  
Assistant Professor  
(Pharmaceutical Chemistry)

**Ms. P. S. Deorankar**  
ACADEMIC RESEARCH CO-ORDINATOR

**Dr. K. S. Jain**  
PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 24/05/2022



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## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**A REVIEW PHARMACOVIGILANCE IN INCREASED USE OF  
ANTIBIOTICS IN PEDIATRIC TREATMENT IN PUNE REGION**

By,

Ms. Purva Yelwande  
Ms. Sandhya Suryawanshi  
Mr. Kiran Ambhore  
Ms. Rutuja Pawar  
(B. Pharm. Sem. VIII)

which is in the partial fulfilment of activity carried out for the degree of Bachelor of Pharmacy at the RJSPM, College of Pharmacy affiliated to Savitribai Phule Pune University, Pune (Maharashtra) and as the syllabus requirement by the Pharmacy Council of India, New Delhi, has been carried out under my guidance and supervision and is now ready for the examination.

**Mr. G. R. Sakhare**  
GUIDE  
Associate Professor  
(Pharmacology)

**Ms. P. S. Deorankar**  
ACADEMIC RESEARCH CO-ORDINATOR

**Dr. K.S. Jain**  
PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 25/05/2022



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## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**FORMULATION AND DEVELOPMENT OF ANTI-AGING AND ANTI-  
BLEMISH HERBAL SCRUB.**

By,

**Students Name**

Ms. Damini Shinde  
Ms. Sneha Patil  
Mr. Shubham Panchal  
Ms. Pritee Newale  
Mr. Vishal Kshirsagar  
(B. Pharm. Sem. VIII)

Which is in the partial fulfilment of activity carried out for the degree of Bachelor of Pharmacy at the RJSPM, College of Pharmacy affiliated to Savitribai Phule Pune University, Pune (Maharashtra) and as the syllabus requirement by the Pharmacy Council of India, New Delhi, has been carried out under my guidance and supervision and is now ready for the examination.

**Ms. P. V. Bagade**  
GUIDE  
Assistant Professor  
(Pharmaceutics)

**Ms. P. S. Deorankar**  
ACADEMIC RESEARCH CO-ORDINATOR

**Dr. K.S. Jain**  
PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 25-05-2022



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## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
***A REVIEW ON EVOLUTION OF HERBAL BASED HAIR DYE***

By,

### **Students Name**

Ms. Prajakta Agarkar

Mr. Ravi Atole

Ms. Priyanka Bhor

Mr. Nikhil Date

Mr. Yogesh Kolhe

**(B. Pharm. Sem. VIII)**

which is in the partial fulfilment of activity carried out for the degree of Bachelor of Pharmacy at the RJSPM, College of Pharmacy affiliated to Savitribai Phule Pune University, Pune (Maharashtra) and as the syllabus requirement by the Pharmacy Council of India, New Delhi, has been carried out under my guidance and supervision and is now ready for the examination.

**Ms. A. Z. Gite**

GUIDE

Assistant Professor  
(Pharmaceutics)

**Ms. P. S. Deorankar**

ACADEMIC RESEARCH CO-ORDINATOR

**Dr. K. S. Jain**

PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 25<sup>th</sup> May 2022



PLACE: Dudulgaon



## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
*Comparative Molecular Docking Studies of Condensed 4-Aminopyrimidines  
as Receptor Tyrosin Kinase (RTKs) Inhibitors using Autodock® and Glide®  
Softwares.*

By,

### Students Name

Ms. Perna Gadade  
Ms. Mayuri Pokharkar  
Ms. Gayatri Jagdale  
Ms. Akanksha Raut  
Mr. Nikhil Titkare

(B. Pharm. Sem. VIII)

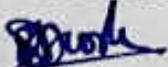
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Ms. Anita Malusare

GUIDE

Assistant Professor

(Pharmaceutical Chemistry)

  
Ms. P.S. Deorankar

ACADEMIC RESEARCH CO-ORDINATOR

  
Dr. K.S. Jain

PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 25/05/2022



PLACE: Dudulgaon



## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**PHARAMACOVIGILNACE SURVEY OF COVID -19 VACCINES**

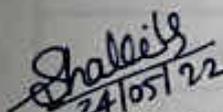
By,

### Students Name

Ms. Pratiksha Gavali  
Mr. Amrutraj Jagatap  
Mr. Pratik Maskare  
Mr. Faizan Kazi  
Mr. Mahesh Atole

(B. Pharm. Sem. VIII)

which is in the partial fulfillment of activity carried out for the degree of Bachelor of Pharmacy at the RJSPM, College of Pharmacy affiliated to Savitribai Phule Pune University, Pune (Maharashtra) and as the syllabus requirement by the Pharmacy Council of India, New Delhi, which has been carried out under my guidance and supervision and is now ready for the examination.

  
24/05/22  
**Ms. S. S. Shaikh**  
GUIDE  
Assistant Professor  
(Pharmacology)

  
**Ms. P. S. Deorankar**  
ACADEMIC RESEARCH CO-ORDINATOR

  
**Dr. K. S. Jain**  
PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 24/05/2022



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## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**CALIBRATION OF SOME LABORATORY AS WELL AS ANALYTICAL  
INSTRUMENTS: A REVIEW**

By,

### Students Name

Ms. Rutuja Sonawane

Ms. Aishwarya Jagtap

Ms. Rutuja Jambe

Ms. Amruta Shinde

Ms. Vimla Choudhari

(B. Pharm. Sem. VIII)

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**Mr. A.N. Phuge**  
GUIDE  
Assistant Professor  
(Pharmaceutical Chemistry)

**Ms. P. S. Deorankar**  
Academic Research  
Co-Ordinator

**Dr. K.S. Jain**  
Principal

**RJSPM's College of Pharmacy**

DATE: 25/05/22



PLACE: Dudulgaon



## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**A Review on SAR of Receptor Tyrosine Kinase Inhibitors**

By,

Ms. Vaibhavi V. Sawant  
Mr. Aditya R. Wamborikar  
Ms. Arshiya B. Attar  
Mr. Shani S. Mane  
Ms. Rupali D. Salgar

(B. Pharm. Sem. VIII Students)

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**Mr. Prasad V. Rane**  
GUIDE  
Assistant Professor  
(Pharmaceutical Chemistry)

**Ms. P. S. Deorankar**  
ACADEMIC RESEARCH CO-ORDINATOR

**Dr. K. S. Jain**  
PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 25/05/2022



PLACE: Dudulgaon



## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**PHYTOCHEMICALS AS A NUTRACEUTICALS, A REVIEW**

By,

Mr. Gadhave Rahul Uttamrao  
Mr. Gatkal Abhishekh Suhas  
Mr. Tathe Abhijeet Popat  
Ms. Kirve Prajкта Rajendra  
(B. Pharm. Sem. VIII)

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Dr. J. S. Dhumal  
GUIDE

Ms. P. S. Deorankar  
ACADEMIC RESEARCH CO-ORDINATOR

Dr. K. S. Jain  
PRINCIPAL

DATE: 24/05/2022



PLACE: DUDULGAON



## CERTIFICATE

This is to certify that the work presented in this Project Report entitled,  
**FORMULATION AND EVALUATION OF HERBAL FACE PACK FOR  
GLOWING SKIN**

By,

### Students Name

Ms. Priyanka Dhiwar  
Mr. Gokul Mali  
Mr. Tanmay Parekar  
(B. Pharm. Sem. VIII)

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**Mr. Omkar Kolhe**  
GUIDE

Assistant Professor  
(Pharmaceutics)

**Ms. P. S. Deorankar**  
ACADEMIC RESEARCH CO-ORDINATOR

**Dr. K.S. Jain**  
PRINCIPAL

**RJSPM's College of Pharmacy**

DATE: 24/05/2022



PLACE: Dudulgaon