



1.3.3

**Number of students undertaking project work/
field work/internships**



K. K. WAGH COLLEGE OF PHARMACY

(B. Pharmacy & D. Pharmacy)

Hirabai Haridas Vidyanagari, Amrutdham, Panchavati, Nashik - 422 003. (Maharashtra) India.

☎ : 0253 - 2221121, 2517003, 2510262 Web : www.pharmacy.kkwagh.edu.in

Email: principal-bpharmacy@kkwagh.edu.in, disp-bpharmacy@kkwagh.edu.in

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1.3 Curriculum Enrichment

1.3.3 Number of students undertaking project work/field work/ internships

Sr. No	Content	Year
A	Project work	2022-23
B	Internship	2022-23
C	Industrial Visit	2022-23



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1.3.3

A – PROJECT WORK



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1.3 Curriculum Enrichment

1.3.3 Number of students undertaking project work/field work/ internships

A – Project Work

Sr. No.	Particulars
a.	List of students completed project work
b.	Certificates of project work
c.	Sample project report



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1.3.3

List of students

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SEM VIII Project Work details (2022-23)

Roll No.	Name of Student	Title of Project	Name of Guide
01	Ashwini Balasaheb Tribhuwan	Synthesis of CADD based Anti-fungal activity of 2-benzimidazole derivatives.	M. G. Shinde
02	Kanchan Mahendrakumar Mishra	Formulation and Evaluation of Herbal Hair Oil.	S. D. Malode
03	Anshu Kumari	Formulation Development of herbal Lipstick and lipbalm.	K. P. Baviskar
04	Khalkar Akshay Shivaji	Formulation and Evaluation of Herbal cough syrup.	S. B. Jadhav
05	Bagul Priyanka Prabhakar	Formulation Development of herbal Lipstick and lipbalm.	K. P. Baviskar
06	Gavit Sulochana Sonya	Formulation and Evaluation of Herbal Hair Oil.	S. D. Malode
07	Pagar Sanket Balasaheb	Formulation and Evaluation of Herbal Antibacterial Soap.	S. S. Raut
08	Bhagwat Sakshi	Formulation and Evaluation of Herbal Antibacterial Soap.	S. S. Raut
09	Amogh Patil	Formulation and Evaluation of Herbal Tooth Foaming Tablets for Oral health.	S. D. Malode
10	Dahifale Mahesh Shrimant	In silico ADMET profiling and Docking Analysis of Phosphodiesterase V and Topoisomerase II Inhibitors for Treatment of Colon Cancer.	D. K. Kadam
11	Bhavesb Babanrao Satbhai	Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness.	K. P. Baviskar
12	Prachi Sanjay Jadhav	Synthesis of CADD based Anti-fungal activity of 2-benzimidazole derivatives.	M. G. Shinde
13	Atharva Shinde	In silico ADMET profiling and Molecular Docking of novel 2,3,6-trisubstituted quinazolin-4-one derivatives as an Antiviral Age	Dr. R. D. Amrutkar
14	Wadhavane Kiran Bhausaheb	Study of Anti-haemolytic Activity of Different Varieties of Ocimum sanctum.	Dr. R. A. Patil
15	Samruddha Wavikar	Formulation and Evaluation of Organogel Containing Taila for Rheumatoid Arthritis.	Dr. A. P. Bedse
16	Mehul Rasal	Formulation and Evaluation of Polyherbal Mouthwash.	Dr. V. G. Bhamare
17	Gitesh Gopichand Patil	Comparative Study of Saponin Extracts obtained from Natural sources.	Dr. A. P. Bedse
18	Nishtha Gopal Marathe	In silico ADMET profiling and Docking Analysis of Phosphodiesterase V and Topoisomerase II Inhibitors for Treatment of Colon Cancer.	D. K. Kadam



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Roll No.	Name of Student	Title of Project	Name of Guide
19	Vasaikar Vaishnavi Tulshiram	Microwave Assisted Synthesis of Benzimidazole Derivatives & its Antimicrobial Activity.	M. G. Shinde
20	Anket Chhotu Pawar	In silico ADMET profiling and Molecular Docking of novel 2, 3, 6-trisubstituted quinazolin-4-one derivatives as an Antiviral Agent.	Dr. R. D. Amrutkar
21	Raut Anjali Kantilal	Formulation and Evaluation of Herbal Hair Oil.	S. D. Malode
22	Bhalsane Karuna Samadhan	Formulation and Evaluation of Polyherbal Mouthwash.	Dr. V. G. Bhamare S. S. Patil (Co-guide)
23	Pankesh Bhurmal Agrawal	In silico ADMET profiling and Docking Analysis of B- carboline/Acylhydrazone MDA-MB231 Inhibitors for Cancer.	D. K. Kadam
24	Shradha Ashok Kusalkar	Study of Anti-haemolytic Activity of Different Varieties of Ocimum sanctum.	Dr. R. A. Patil
25	Akash Kailas Ahire	Pharmacognostic study and development of quality parameter of Malvaviscus arboreus Cav.	Dr. A. R. Surana
26	Pooja Yadav Samindre	Formulation Development of Polyherbal Lipcare Product.	Dr. V. G. Bhamare
27	Kashaf Erphan Patel	Phytoconstituent Screening & Antioxidant Activity of Different Types of Millets.	Dr. R. A. Patil
28	Krishna Santosh Jagtap	In silico ADMET profiling and Molecular Docking of novel Quinazolinone derivatives as an Anticancer Agent.	Dr. R. D. Amrutkar
29	Aniket Sanjay Bahirat	Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness.	K. P. Baviskar
30	Pratima Sagar	Formulation Development of Polyherbal Lipcare Product.	Dr. V. G. Bhamare
31	Prajwal Sunil Pagare	Formulation and Evaluation of Organogel Containing Taila for Rheumatoid Arthritis.	Dr. A. P. Bedse
32	Monika Appasaheb Nimse	In silico ADMET profiling and Molecular Docking of novel 2,3,6-trisubstituted quinazolin-4-one derivatives as an Antiviral Agent	Dr. R. D. Amrutkar
33	Joshi Isha Dinesh	In silico ADMET profiling and Docking Analysis of Phosphodiesterase V and Topoisomerase II Inhibitors for Treatment of Colon Cancer.	D. K. Kadam



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Roll No.	Name of Student	Title of Project	Name of Guide
34	Sakshi Anil Pawar	Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness.	K. P. Baviskar
35	Jagtap Mayuri Dipak	In silico ADMET profiling and Docking Analysis of B- carboline/Acylhydrazone MDA-MB231 Inhibitors for Cancer.	D. K. Kadam
36	Manish Yadav	Formulation and Evaluation of Polyherbal Mouthwash.	Dr. V. G. Bhamare
37	Rushikesh Divekar	Formulation and Evaluation of Herbal cough syrup.	S. B. Jadhav
38	Saurav Vilas Karanjkar	In silico ADMET profiling and Molecular Docking of novel Quinazolinone derivatives as an Anticancer Agent.	Dr. R. D. Amrutkar
39	Ayush Anil Jain	Method Development and Validation of Safinamide Mesylate in bulk Drug and Dosage form by using RP-HPLC.	D. V. Jain
40	Vaishnavi Keshavrao Kadam	Study of Anti-haemolytic Activity of Different Varieties of Ocimum sanctum.	Dr. R. A. Patil
41	Soni Riddhi Sunil	Formulation Development of herbal Lipstick and lipbalm.	K. P. Baviskar
42	Shingade Disha Chhabu	Formulation Development of Polyherbal Lipcare Product.	Dr. V. G. Bhamare
43	Aher Gita Sanjay	Formulation Development of Polyherbal Lipcare Product.	Dr. V. G. Bhamare
44	Akash Anil Bavaskar	Pharmacognostic study and development of quality parameter of Malvaviscus arboreus Cav.	Dr. A. R. Surana
45	Rohan Bhausaheb Shelke	Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness.	K. P. Baviskar
46	Hindavi Gujarathi	Formulation and Evaluation of Polyherbal Mouthwash.	Dr. V. G. Bhamare
47	Tejas Ramesh Chaudhari	Formulation and Evaluation of Herbal Tooth Foaming Tablets for Oral health.	S. D. Malode
48	Jadhav Amar Anil	In silico ADMET profiling and Molecular Docking of novel Quinazolinone derivatives as an Anticancer Agent.	Dr. R. D. Amrutkar
49	Bhikan Kamalakar Thakur	In silico ADMET profiling and Molecular Docking of novel Quinazolinone derivatives as an Anticancer Agent.	Dr. R. D. Amrutkar
50	Pooja Balkrushna Kathe	Synthesis of CADD based Anti-fungal activity of 2-benzimidazole derivatives.	M. G. Shinde



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Roll No.	Name of Student	Title of Project	Name of Guide
51	Mitali Suhas Patil	In silico ADMET profiling and Molecular Docking of novel 2,3,6-trisubstituted quinazolin-4-one derivatives as an Antiviral Age	Dr. R. D. Amrutkar
52	Khushi Dinesh Patil	Phytoconstituent Screening & Antioxidant Activity of Different Types of Millets.	Dr. R. A. Patil
53	Aniket Parashram Gaikwad	Formulation and Evaluation of Herbal Gel Containing <i>Artocarpus Heterophyllus</i> Lam.	Dr. A. R. Surana
54	Shruti Lone	Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness.	K. P. Baviskar
55	Vismay Vijay Pawar	Formulation and Evaluation of Herbal Gel Containing <i>Artocarpus Heterophyllus</i> Lam.	Dr. A. R. Surana
56	Vaibhavi Shinde	Comparative Study of Saponin Extracts obtained from Natural sources.	Dr. A. P. Bedse
57	Jagruiti Hari Pawar	Validation of Developed Method of Flucanazole in Solid dosage form by RP-HPLC.	D. V. Jain
58	Chaudhari Vaishnavi Gajanan	Phytoconstituent Screening & Antioxidant Activity of Different Types of Millets.	Dr. R. A. Patil
59	Muskan Najeer Shaikh	Formulation and Evaluation of Herbal Gel Containing <i>Artocarpus Heterophyllus</i> Lam.	Dr. A. R. Surana
60	Arshad Akil Shaikh	Formulation and Evaluation of Herbal Tooth Foaming Tablets for Oral health.	S. D. Malode
61	Sakshi Dange	Formulation Development of Polyherbal Lipcare Product.	Dr. V. G. Bhamare
62	Gaikwad Ashvini Anil	Microwave Assisted Synthesis of Benzimidazole Derivatives & its Antimicrobial Activity.	M. G. Shinde
63	Snehal Sanjay Borse	Formulation and Evaluation of Polyherbal Mouthwash.	Dr. V. G. Bhamare
64	Hitesh Sharad Sangale	Validation of Developed Method of Flucanazole in Solid dosage form by RP-HPLC.	D. V. Jain
65	Vaibhav Bhaskar Rakshe	Validation of Developed Method of Flucanazole in Solid dosage form by RP-HPLC.	D. V. Jain
66	Manisha Lohakare	In silico ADMET profiling and Docking Analysis of B- carboline/Acylhydrazone MDA-MB231 Inhibitors for Cancer.	D. K. Kadam





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Roll No.	Name of Student	Title of Project	Name of Guide
67	Aaman Sayyed	Method Development and Validation of Safinamide Mesylate in bulk Drug and Dosage form by using RP-HPLC.	D. V. Jain
68	Sakshi Vishwasrao Pawar	Pharmacognostic study and development of quality parameter of <i>Malvaviscus arboreus</i> Cav.	Dr. A. R. Surana
69	Shrinivas Somnath Jadhav	<i>Barnyard Millet: Phytochemical Screening And process Optimization.</i>	Dr. D. D. Patil
70	Rutuja Durgude	Validation of Developed Method of Flucanazole in Solid dosage form by RP-HPLC.	D. V. Jain
71	Aarti Narayan Wable	Formulation and Evaluation of Organogel Containing Taila for Rheumatoid Arthritis.	Dr. A. P. Bedse
72	Kureshi Nazmeen Iqbal	Synthesis of CADD based Anti-fungal activity of 2-benzimidazole derivatives.	M. G. Shinde
73	Harshada Pandurang Sonawane	Phytoconstituent Screening & Antioxidant Activity of Different Types of Millets.	Dr. R. A. Patil
74	Samiksha Pagar	Formulation and Evaluation of Organogel Containing Taila for Rheumatoid Arthritis.	Dr. A. P. Bedse
75	Sayali Sharad Shinde	Formulation and Evaluation of Herbal Gel Containing <i>Artocarpus Heterophyllus</i> Lam.	Dr. A. R. Surana
76	Shweta Bapusaheb Rokade	Comparative Study of Saponin Extracts obtained from Natural sources.	Dr. A. P. Bedse
77	Manish Jangale	Validation of Developed Method of Flucanazole in Solid dosage form by RP-HPLC.	D. V. Jain
78	Ronak Ashish Khilosiya	Study of Anti-haemolytic Activity of Different Varieties of <i>Ocimum sanctum</i> .	Dr. R. A. Patil
79	Sakshi Anil Patil	Microwave Assisted Synthesis of Benzimidazole Derivatives & its Antimicrobial Activity.	M. G. Shinde
80	Tejas Dilip Wadje	Evaluation and Comparison of Baby Diapers.	Dr. D. D. Patil
81	Gayatri Ashok Thube	Study of Anti-haemolytic Activity of Different Varieties of <i>Ocimum sanctum</i> .	Dr. R. A. Patil
82	Shaikh Zohra Avesh	Phytoconstituent Screening & Antioxidant Activity of Different Types of Millets.	Dr. R. A. Patil



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Roll No.	Name of Student	Title of Project	Name of Guide
83	Prasad Borase	In silico ADMET profiling and Molecular Docking of novel Quinazolinone derivatives as an Anticancer Agent.	Dr. R. D. Amrutkar
84	Deepa U. Singh	Formulation and Evaluation of Organogel Containing Taila for Rheumatoid Arthritis.	Dr. A. P. Bedse
85	Aakanksha Vilas Dargude	Formulation and Evaluation of Herbal Tooth Foaming Tablets for Oral health.	S. D. Malode
86	Utkarsha Suhas Kulkarni	In silico ADMET profiling and Molecular Docking of novel 2,3,6-trisubstituted quinazolin-4-one derivatives as an Antiviral Agent	Dr. R. D. Amrutkar
87	Bhamare Shruti Nanaji	Formulation Development of herbal Lipstick and lipbalm.	K. P. Baviskar
88	Aishwarya Chandrabhan Aher	Comparative Study of Saponin Extracts obtained from Natural sources.	Dr. A. P. Bedse
89	Manisha Dnyaneshwar Buchakul	Method Development and Validation of Safinamide Mesylate in bulk Drug and Dosage form by using RP-HPLC.	D. V. Jain
90	Rohit Shridhar Chavan	Barnyard Millet: Phytochemical Screening And process Optimization.	Dr. D. D. Patil
91	Akash Babasaheb Daunde	Evaluation and Comparison of Baby Diapers.	Dr. D. D. Patil
92	Akshay Sanjay Deore	Formulation And Evaluation of Herbal Sunscreen Cream.	S. S. Raut
93	Mayuri Rajendra Dhumal	Evaluation and Comparison of Baby Diapers.	Dr. D. D. Patil
94	Gaikwad Sayli Babasaheb	Formulation And Evaluation of Herbal Sunscreen Cream.	S. S. Raut
95	Gaika Abhishek Eknath	Evaluation and Comparison of Baby Diapers.	Dr. D. D. Patil
96	Shubham Prakash Gaikwad	Formulation and Evaluation of Herbal Antibacterial Soap.	S. S. Raut
97	Mahesh Namdev Galdhar	Formulation And Evaluation of Herbal	S. D. Malode
98	Vishal Dinkar Gavit	Method Development and Validation of Safinamide Mesylate in bulk Drug and Dosage form by using RP-HPLC.	D. V. Jain
99	Jadhav Arati Bhagwan	Comparative Study of Saponin Extracts obtained from Natural sources.	Dr. A. P. Bedse
100	Jadhav Kiran Yenunath	Formulation And Evaluation of Herbal	S. D. Malode
101	Niraj Jadhav	Formulation and Evaluation of Herbal cough syrup.	S. B. Jadhav





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LIST OF STUDENTS COMPLETING PROJECT WORK

Roll No.	Name of Student	Title of Project	Name of Guide
102	Jadhav Saloni Rajkumar	Formulation and testing of herbal mosquito fabric roll-on from <i>Polianthes tuberosa L.</i>	Dr. A. R. Surana
103	Nikita Milind Jain	In silico ADMET profiling and Docking Analysis of Phosphodiesterase V and Topoisomerase II Inhibitors for Treatment of Colon Cancer.	D. K. Kadam
104	Madhuri Dipak Jamdhade	Formulation And Evaluation of Herbal Sunscreen Cream.	S. S. Raut
105	Kadam Pravin Bhausaheb	Formulation and Evaluation of Herbal Antibacterial Soap.	S. S. Raut
106	Pratiksha Narendra Kardak	Formulation and Evaluation of Herbal cough syrup.	S. B. Jadhav
107	Kedar Priyanka Balasaheb	Formulation and Evaluation of Herbal cough syrup.	S. B. Jadhav
108	Vrushali Kohokade	Formulation and testing of herbal mosquito fabric roll-on from <i>Polianthes tuberosa L.</i>	Dr. A. R. Surana
109	Rutuja Kokate	Formulation and testing of herbal mosquito fabric roll-on from <i>Polianthes tuberosa L.</i>	Dr. A. R. Surana
110	Korde Shrutika Rajendra	Evaluation and Comparison of Baby Diapers.	Dr. D. D. Patil
111	Shravan Loya	Barnyard Millet: Phytochemical Screening And process Optimization.	Dr. D. D. Patil
112	Mahale Rajesh Subhash	Microwave Assisted Synthesis of Benzimidazole Derivatives & its Antimicrobial Activity.	M. G. Shinde
113	Ghansham Rakhmaji Nachan	Formulation And Evaluation of Herbal Toothpaste.	S. D. Malode
114	Patil Pankaj Nitin	Formulation And Evaluation of Herbal Sunscreen Cream.	S. S. Raut
115	Patil Roshani Kantilal	Barnyard Millet: Phytochemical Screening And process Optimization.	Dr. D. D. Patil
116	Monika Barkusinng Rajput	Formulation and Evaluation of Herbal Antibacterial Soap.	S. S. Raut
117	Ketan Keshav Rathod	Synthesis of CADD based Anti-fungal activity of 2-benzimidazole derivatives.	M. G. Shinde
118	Rathod Nilesh Mulchand	Formulation And Evaluation of Herbal Sunscreen Cream.	S. S. Raut
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LIST OF STUDENTS COMPLETING PROJECT WORK

Roll No.	Name of Student	Title of Project	Name of Guide
120	Maijabeen Sattar Shah	In silico ADMET profiling and Docking Analysis of B- carboline/Acylhydrazone MDA-MB231 Inhibitors for Cancer.	D. K. Kadam
121	Shaikh Sohel Jamil	Formulation Development of herbal Lipstick and lipbalm.	K. P. Baviskar
122	Prathamesh Anil Sinkar	Method Development and Validation of Safinamide Mesylate in bulk Drug and Dosage form byusing RP-HPLC.	D. V. Jain
123	Ubale Sakshi Chandrakant	In silico ADMET profiling and Docking Analysis of B- carboline/Acylhydrazone MDA-MB231 Inhibitors for Cancer.	D. K. Kadam

S. S. Patil has worked as Co Guide with Dr. V. G. Bhamre

S. N. Kulkarni has worked as Co Guide with S. B. Jadhav

P. S. Pagar has worked as Co Guide with Dr. A. P. Bedse

Dr. V. G. Bhamare
Sem VIII Project Coordinator



Dr. D. D. Patil
Principal



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1.3.3

Certificates



CERTIFICATE

This is to certify that the work presented in this Project Report entitled,
Pharmacognostic study and development of quality parameters of
Malvaviscus arboreus Cav.

by

MR.AKASH KAILAS AHIRE

(PRN:-1954501823041)

MR. AKASH ANIL BAVASKAR

(PRN:-1954501823060)

MISS.SAKSHI VAISHWASRAO PAWAR

(PRN:-1954501823085)

(B. Pharm. Semester VIII)

is in the partial fulfillment of activity carried out for the degree of Bachelor of Pharmacy at the K. K. Wagh College of Pharmacy, Amrutdham, Nashik affiliated to the Dr. Babasaheb Ambedkar Technological University Lonere – Raigad- 402103 (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.

GUIDE

DR.A.R. SURANA

(HOD OF PHARMACOGNOSY)

K.K.WAGH COLLEGE OF PHARMACY,
NASHIK

PRINCIPAL

DR.D. D. PATIL

PROFESSOR

K.K.WAGH COLLEGE OF PHARMACY,
NASHIK

Date: 03.06.2023

Place: Nashik





CERTIFICATE

This is to certify that the work presented in this Project Report entitled
"FORMULATION AND EVALUATION OF HERBAL GEL CONTAINING
ARTOCARPUS HETEROPHYLLUS Lam."

by

Vismay Vijay Pawar (1954501823072)
Sayali Sharad Shinde (1954501823092)
Muskan Najeer Shaikh (1954501823076)
Aniket Parashram Gaikwad (1954501823070)

(B. Pharm. Semester VIII)

is in the partial fulfillment of activity carried out for the degree of Bachelor of Pharmacy at the
K. K. Wagh College of Pharmacy, Amrutdham, Nashik affiliated to the Dr. Babasaheb
Ambedkar Technological University Lonere – Raigad- 402103 (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.

Guide

Dr. A. R. Surana

Associate Professor & HOD
Department of Pharmacognosy

Principal

Dr. D. D. Patil

K. K. Wagh College of Pharmacy Nashik

Date: 3 - 6 - 23

Place: Nashik





CERTIFICATE

This is to certify that the work presented in this Project Report entitled,
Formulation and testing of herbal mosquito fabric roll-on from *Polianthes tuberosa L.*

By

MISS.SALONI JADHAV

MISS.VRUSHALI KOHOKADE

MISS.RUTUJA KOKATE

(PRN NO-2054501823015)

(PRN NO-2054501823021)

(PRN NO-2054501823022)

(B. Pharm. Semester VIII)

is in the partial fulfillment of activity carried out for the degree of Bachelor of Pharmacy at the K. K. Wagh College of Pharmacy, Amrutdham, Nashik affiliated to the Dr. Babasaheb Ambedkar Technological University Lonere – Raigad- 402103 (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.


Guide

Dr. A.R. SURANA

(HOD OF PHARMACOGNOSY)

K.K WAGH COLLEGE OF PHARMACY
NASHIK


Principal

Dr. D.D. PATIL

PROFESSOR

(PHARMACEUTICAL CHEMISTRY)
K.K WAGH COLLEGE OF PHARMACY



Date: 25/06/2023

Place: Nashik





CERTIFICATE

This is to certify that the work presented in this **Project Report** entitled,
**Microwave Assisted Synthesis of Benzimidazole
Derivatives & its Antimicrobial Activity**

By

Vasaikar Vaishnavi Tulshiram (Prn. No. 1954501823033)

Gaikwad Ashvini Anil (Prn. No. 1954501823079)

Patil Sakshi Anil (Prn. No. 1954501823096)

Mahale Rajesh Subhash (Prn. No. 2054501823025)

(B. Pharm. Sem-VIII)

is in the partial fulfillment of activity carried out for the degree of **Bachelor of Pharmacy** at the **K. K. Wagh College of Pharmacy, Nashik** affiliated to the **Dr. Babasaheb Ambedkar Technological University Lonere- Raigad 402103 (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.

Guide

Mr. M. G. Shinde

Assistant Professor

(Dept. Of Pharmaceutical Chemistry)

K.K.Wagh College of Pharmacy, Nashik.

J.R. Pawar
02/06/2023
J.R. Pawar

Dr. D. D. Patil

Principal

Dr. D. D. Patil

Principal and Professor

(Dept. Of Pharmaceutical Chemistry)

K.K.Wagh College of Pharmacy, Nashik

Date: 02/06/2023

Place: Nashik





CERTIFICATE

This is to certify that the work presented in this **Project Report** entitled,
**Synthesis and CADD based Anti-fungal activity
of 2-benzimidazole derivatives**

By

Tribhuwan Ashwini Balasaheb (Prn. No.19545018230022)

Jadhav Prachi Sanjay (Prn. No. 1954501823017)

Kathe Pooja Balkrushna (Prn. No.1954501823066)

Kureshi Nazmeen Iqbal (Prn. No. 1954501823089)

Rathod Ketan Keshav (Prn. No. 2054501823030)
(B. Pharm. Sem-VIII)

is in the partial fulfillment of activity carried out for the degree of **Bachelor of Pharmacy** at the **K. K. Wagh College of Pharmacy, Nashik** affiliated to the **Dr. Babasaheb Ambedkar Technological University Lonere- Raigad 402103 (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.

Guide

Mr. M. G. Shinde

Assistant Professor

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02/06/2023
J.P. Pawar

Principal

Dr. D. D. Patil

Principal and Professor

(Dept. Of Pharmaceutical Chemistry)

K.K.Wagh College of Pharmacy, Nashik

Date: 02/06/2023

Place: Nashik





CERTIFICATE

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

FORMULATION AND EVALUATION OF HERBAL COUGH SYRUP

By

Khalkar Akshay Shivaji (1954501823005)

Divekar Rushikesh Arvind (1954501823053)

Jadhav Niraj Kailas (2054501823014)

Kardak Pratiksha Narendra (2054501823019)

Kedar Priyanka Balasaheb (2054501823020)

(B. Pharm. Semester VIII)

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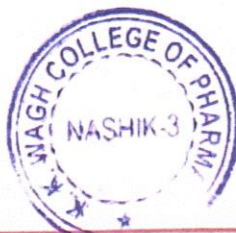
S. B. Jadhav
(Assistant Professor)
Guide

S. N. Kulkarni
(Assistant Professor)
Co-Guide

Dr. Dipak D. Patil
(Principal and Professor)
Principal

Date: 05/06/2023

Place: Nashik





CERTIFICATE

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

Barnyard Millet: Phytochemical Screening and Process Optimization

BY

SHRINIVAS SOMNATH JADHAV (1954501823086)

ROHIT SHRIDHAR CHAVAN (2054501823003)

SHRAVAN KAMALKISHOR LOYA (2054501823024)

ROSHANI KANTILAL PATIL (2054501823028)

PRASAD SUNIL SAGAR (2054501823032)

(B. PHARM. SEMESTER VIII)

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Guide
DR.D.D.PATIL

~~Associate~~ Professor

(Pharmaceutical Chemistry)

K.K.Wagh college of pharmacy, Nashik



Principal
DR. D. D. PATIL

Principal And Professor
(Pharmaceutical Chemistry)

K.K.Wagh college of pharmacy, Nashik

Date: 02/06/23

L.K. Wagh
03/6/23

Place: Nashik





CERTIFICATE

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

Evaluation and Comparison of Baby Diapers

By

Miss. Korde Shrutika R. (PRN NO. 2054501823023)

Miss. Dhumal Mayuri R. (PRN NO. 2054501823006)

Mr. Daunde Akash B. (PRN NO. 2054501823004)

Mr. Wadje Tejas D. (PRN NO. 1954501823097)

Mr. Gaike Abhishek E. (PRN NO. 2054501823008)

(B. Pharm. Sem. VIII)

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Guide

Dr. D. D. Patil

Principal and Professor
(Pharmaceutical Chemistry)

K. K. Wagh College of Pharmacy, Nashik

Principal

Dr. D. D. Patil

Department of Pharmaceutical Chemistry
K. K. Wagh College of Pharmacy, Nashik

Date: 02/06/2023

Place: Nashik


K. K. Wagh
03/06/23



CERTIFICATE

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

Evaluation and Comparison of Baby Diapers

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Miss. Dhumal Mayuri R. (PRN NO. 2054501823006)

Mr. Daunde Akash B. (PRN NO. 2054501823004)

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Mr. Gaike Abhishek E. (PRN NO. 2054501823008)

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Guide

Dr. D. D. Patil

Principal and Professor
(Pharmaceutical Chemistry)

K. K. Wagh College of Pharmacy, Nashik

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Dr. D. D. Patil

Department of Pharmaceutical Chemistry
K. K. Wagh College of Pharmacy, Nashik

Date: 02/06/2023

Place: Nashik



K.K. Wagh
03/06/23





CERTIFICATE

This is to certify that the work presented in this Project Report entitled,
**Phytoconstituent Screening & Antioxidant Activity of Different
Types of Millets**

by

Ms. Kashaf Erphan Patel	(1954501823043)
Ms. Khushi Dinesh Patil	(1954501823069)
Ms. Vaishnavi Gajanan Chaudhari	(1954501823075)
Ms. Harshada Pandurang Sonawane	(1954501823090)
Ms. Zohra Avesh Shaikh	(1954501823099)

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Guide

Dr. R.A. Patil

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(Pharmacology)

K. K. Wagh College
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Date: 02/06/23

Co-Guide

Ms. M.M. Shinde

Assistant Professor

(Pharmacology)

K. K. Wagh College
Of Pharmacy.

Principal

Dr. D.D. Patil

Principal

K. K. Wagh College
Of Pharmacy

Place: Nashik





CERTIFICATE

This is to certify that the work presented in this Project Report entitled,
Study of Antihemolytic Activity of Different Varieties of *Ocimum sanctum*

by

Ms. Kiran B. Wadhavane (1954501823020)

Ms. Shradha A. Kusalkar (1954501823039)

Ms. Vaishnavi K. Kadam (1954501823056)

Mr. Ronak A. Khilosiya (1954501823095)

Ms. Gayatri A. Thube (1954501823098)

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Dr. Rupali A. Patil
(Professor)

Ms. Madhuri M. Shinde
(Assistant Professor)

Dr. Dipak D. Patil
(Principal)

Date: 02/06/2023



Place: Nashik





Certificate

This is to certify that the work presented in this Project Report entitled,
**Formulation and Evaluation of Organogel Containing Taila for
Rheumatoid Arthritis**

By
Mr. Samruddha Wavikar (1954501823024)
Mr. Prajwal Pagare (1954501823047)
Ms. Aarti Wable (1954501823088)
Ms. Samiksha Pagar (1954501823091)
Ms. Deepa Singh (1954501823101)

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GUIDE

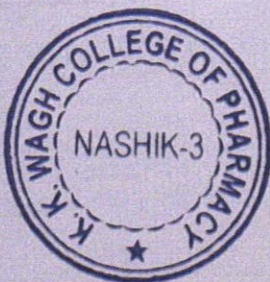
PRINCIPAL

A Bedse

Dr. A. P. Bedse

Associate Professor

Department of Pharmaceutics
K. K. Wagh College of Pharmacy,
Nashik.



Dr. D. D. Patil

Dr. D. D. Patil

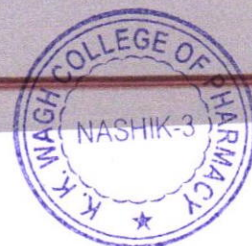
Principal

K. K. Wagh College of Pharmacy,
Nashik.

Date: 02/06/2023

Pagare
P. J. Pagare

Place: Nashik





CERTIFICATE



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

Comparative Study of Saponin Extracts obtained from Natural Sources

by

Patil Gitesh Gopichand (1954501823031)

Shinde Vaibhavi Ganpat (1954501823073)

Rokade Shweta Bapusaheb (1954501823093)

Aher Aishwarya Chandrabhan (2054501823001)

Jadhav Arati Bhagwan (2054501823012)

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is in the partial fulfillment of activity carried out for the degree of Bachelor of Pharmacy at the K.K. Wagh College of Pharmacy, Amrutdham, Nashik affiliated to the Dr. Babasaheb Ambedkar Technological University Lonere-Raigad 402103(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.

Guide

Dr. A. P. Bedse

Associate Professor

(Pharmaceutics)

K.K. Wagh College of Pharmacy,

Nashik.

Co-Guide

Priyanka Pagar

Assistant Professor

(Pharmaceutical Chemistry)

K.K. Wagh College of Pharmacy

Nashik

Principal

Dr. D. D. Patil

Principal and Professor

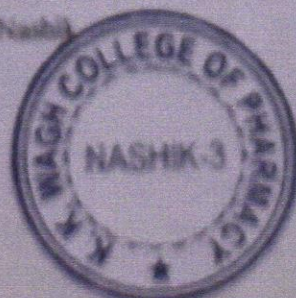
(Pharmaceutical Chemistry)

K.K. Wagh College of Pharmacy,

Nashik

Date: 2/06/23

Place: Nashik



CERTIFICATE STUDENTS COMPLETING PROJECT
WORK



CERTIFICATE

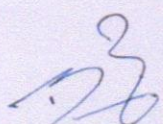
This is to certify that the work presented in this Project Report entitled, *In silico* ADMET profiling and Molecular Docking of novel quinazolinone derivatives as an Anticancer Agent.

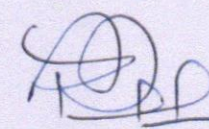
By

Mr. Krishna Santosh Jagtap	(1954501823044)
Mr. Saurav Vilas Karanjkar	(1954501823054)
Mr. Amar Anil Jadhav	(1954501823064)
Mr. Bhikan Kamlakar Thakur	(1954501823065)
Mr. Prasad Pitambar Borse	(19545018230100)

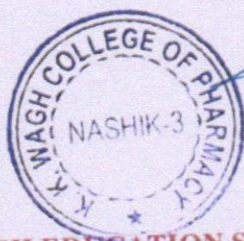
(B. Pharm. Semester VIII)

is in the partial fulfillment of activity carried out for the degree of Bachelor of Pharmacy at the K. K. Wagh College of Pharmacy, Amrutdham, Nashik affiliated to the Dr. Babasaheb Ambedkar Technological University Lonere – Raigad- 402103 (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.


Dr. R. D. Amrutkar
Associate professor
(Pharmaceutical Chemistry)


Dr. D. D. Patil
Principal

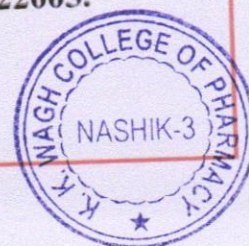
DATE: 02/06/23



02/06/2023

PLACE: Nashik

K.K. WAGH EDUCATION SOCIETY'S
K.K. Wagh College of Pharmacy, Nashik.
Hirabai Haridas Vidyanagari, Amrutdham, Panchavati, Nashik, 422003.





CERTIFICATE

This is to certify that the work presented in this Project Report entitled, *In silico* ADMET profiling and Molecular Docking of novel 2,3,6-trisubstituted quinazolin-4-one derivatives as an Antiviral Agent.

By

Mr. Anket Chhotu Pawar	(1954501823034)
Miss. Ukarsha Suhas Kulkarni	(1954741823042)
Miss. Monika Appasaheb Nimse	(1954501823048)
Miss. Mitali Suhas Patil	(1954501823068)
Mr. Atharva Sanjay Shinde	(1954501823018)

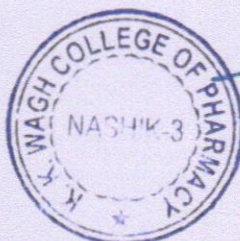
(B. Pharm. Semester VIII)

is in the partial fulfillment of activity carried out for the degree of Bachelor of Pharmacy at the K. K. Wagh College of Pharmacy, Amrutdham, Nashik affiliated to the Dr. Babasaheb Ambedkar Technological University Lonere – Raigad- 402103 (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.

Dr. R. D. Amrutkar
Associate Professor
(Pharmaceutical Chemistry)

Dr. D. D. Patil
Principal

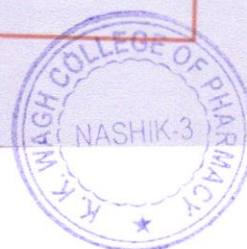
DATE: 02/06/2023



02/06/23

PLACE: Nashik

K.K. WAGH EDUCATION SOCIETY'S
K.K. Wagh College of Pharmacy, Nashik.
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Miss. Monika Appasaheb Nimse	(1954501823048)
Miss. Mitali Suhas Patil	(1954501823068)
Mr. Atharva Sanjay Shinde	(1954501823018)

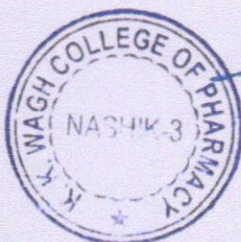
(B. Pharm. Semester VIII)

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Dr. R. D. Amrutkar
Associate Professor
(Pharmaceutical Chemistry)

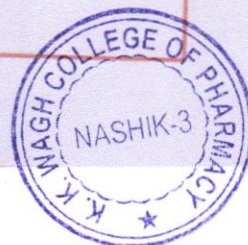
Dr. D. D. Patil
Principal

DATE: 02/06/2023



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K.K. WAGH EDUCATION SOCIETY'S
K.K. Wagh College of Pharmacy, Nashik.
Hirabai Haridas Vidyanagari, Amrutdham, Panchavati, Nashik, 422003.





CERTIFICATE

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

FORMULATION AND EVALUATION OF POLYHERBAL MOUTHWASH

By

Yadav Manish Brijbhan (1954501823052)

Bhalsane Karuna Samadhan (1954501823037)

Gujarathi Hindavi Gautam (1954501823062)

Rasal Mehul Arun (1954501823029)

Borse Snehal Sanjay (1954501823080)

(B. Pharm. Semester VIII)

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S. Patil

aital. S. Patil
(Assistant Professor)
Co-Guide

S. Bhamare

Dr. Vaibhav. G. Bhamare
(Associate Professor)
Guide

D. Patil

Dr. Dipak. D. Patil
(Principal and Professor)
Principal

Date: 31/05/2023

Place: Nashik



[Signature]
02/06/2023





CERTIFICATE

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

Formulation Development of Polyherbal Lipcare Product

By

Samindre Pooja Yadav (1954501823042)

Pratima Sagar (1954501823046)

Shingade Disha Chhabu (1954501823058)

Aher Gita Sanjay (1954501823059)

Dange Sakshi Popat (1954501823078)

(B. Pharm. Semester VIII)

Is in the partial fulfillment of activity carried out for the degree of Bachelor of Pharmacy at the K. K. Wagh College of Pharmacy, Amrutdham, Nashik affiliated to the Dr. Babasaheb Ambedkar Technological University Lonere – Raigad- 402103 (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.

Shital. S. Patil
(Assistant Professor)
Co-Guide

Dr. Vaibhav. G. Bhamare
(Associate professor)
Guide

Dr. Dipak. D. Patil
(Principal)
Principal

Date: 31/05/2023



Place: Nashik

02/06/2023



CERTIFICATE

This is to certify that the work presented in this Project Work Report entitled,
***In Silico ADMET Profiling and Docking Analysis of
Phosphodiesterase V and Topoisomerase II
Inhibitors for Treatment of Colon Cancer.***

BY

Joshi Isha D. (1954501823049)
Marathe Nishtha G. (1954501823032)
Dahifale Mahesh S. (1954501823011)
Jain Nikita M. (2054501823016)

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Guide

D. K. Kadam

Assistant Professor (Pharmaceutical Chemistry)
K. K. Wagh College of Pharmacy, Nashik

01/06/2023

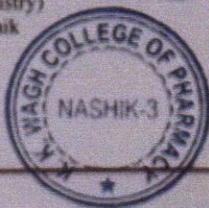
Principal

Dr. D. D. Patil

Department of Pharmaceutical Chemistry
K. K. Wagh College of Pharmacy, Nashik

Date: 01/06/2023

Place: Nashik





CERTIFICATE

This is to certify that the work presented in this Project Work Report entitled,
***In Silico* ADMET Profiling and Docking Analysis of
 β -carboline/Acylhydrazone
MDA-MB231 Inhibitors for Cancer.**

BY

Agrawal Pankesh B. (1954501823038)
Jagtap Mayuri D. (1954501823051)
Lohakare Manisha A. (1954501823083)
Shah Maijabeen S. (2054501823033)
Ubale Sakshi C. (2054501823036)

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Guide

D. K. Kadam

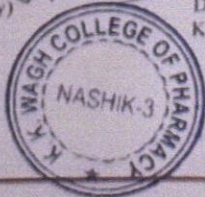
Assistant Professor (Pharmaceutical Chemistry)
K. K. Wagh College of Pharmacy, Nashik

01/06/2023

Principal

Dr. D. D. Patil

Department of Pharmaceutical Chemistry
K. K. Wagh College of Pharmacy, Nashik



Date: 31/05/2023

Place: Nashik





CERTIFICATE

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

"Formulation and Evaluation of Herbal Lipstick and lipbalm"

By

Ms. Kumari Anshu

Mr. Shaikh Sohel J.

Ms. Soni Riddhi

Ms. Bagul Priyanka

Ms. Bhamare Shruti

(B. Pharmacy Semester-VIII)

is in the partial fulfilment of activity carried out for the degree of Bachelor of Pharmacy at the K.K. Wagh College of Pharmacy, Amrutdham, Nashik affiliated to the Dr. Babasaheb Ambedkar Technological University Lonere -Raigad- 402103 (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.

GUIDE

Prof. K.P. Baviskar

Assistant Professor (Pharmaceutical Chemistry)

K. K. Wagh College of Pharmacy, Nashik

Date: 02/06/2023

Principal

Dr. D. D. Patil

*cc
c.k. wagh
03/06/23*

Place: Nashik





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

“Miraculous Moringa: Potent Herbal Lozenges for Optimal Wellness”

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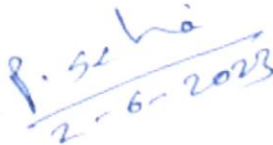

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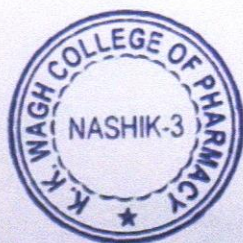
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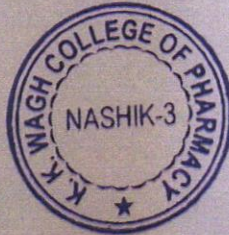
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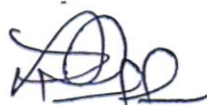
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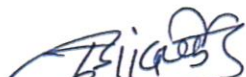
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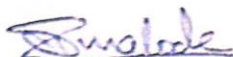
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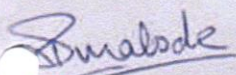
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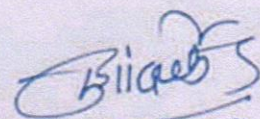
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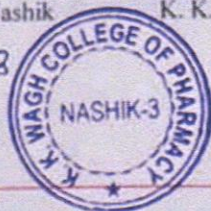

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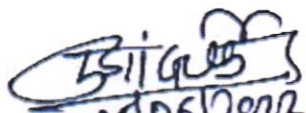
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**Method Development and Validation of Sildenafil
Mesylate in Bulk Drug and Dosage form by using
RP-HPLC**

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1.3.3

Sample Report

FORMULATION DEVELOPMENT OF POLYHERBAL LIPCARE PRODUCT

Project Report Submitted to

Dr. Babasaheb Ambedkar Technological University
Vidyavihar, Lonere –Raigad 402103(Maharashtra)



By

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Pratima Sagar (1954501823046)

Shingade Disha Chhabu (1954501823058)

Aher Gita Sanjay (1954501823059)

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2022-2023





CERTIFICATE

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

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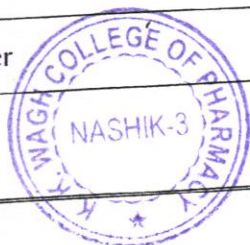
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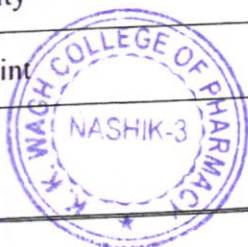


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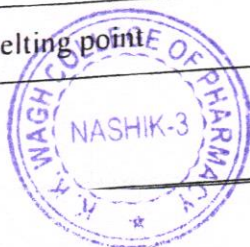
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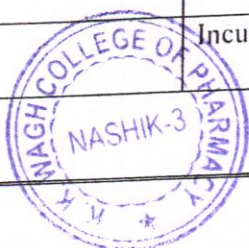
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LIST OF SYMBOLS AND ABBREVIATIONS

Abbreviations or symbols	Definitions
cm	centimetre
lb	Pounds
%	percentage
ml	millilitre
mg	milligram
gm	Gram
° C	Degree Celsius
N	Normality
Meq /gm	Milliequivalent per gram

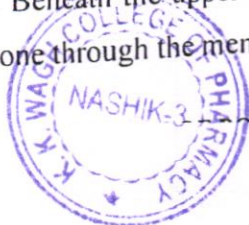


1. INTRODUCTION

Any product intended to be rubbed, poured, sprinkled, sprayed, injected into or otherwise applied to the human body or any portion of it for cleansing, beautifying, encouraging attractiveness, or altering the appearance is considered a cosmetic. A crucial part of daily living is cosmetics. Lip maintenance products used to improve, promote, protect and maintain the beauty of lips are known as cosmetics. The most popular makeup is lip care. Lips may become dry, darken, chap or crack owing to environmental factors, seasonal changes, and excessive sun exposure. In order to protect and care for lips consumer demand for lip care products has increased. Products for caring for lips also contribute to maintaining their appearance.^[1] Lip care items like lipstick, lip balm, lip scrub, lip gloss, lip salve, lip lightener and lip mask are popular choices for regular use to improve the health of the lips. Products for caring for lips are made to help lips regain their moisture and fullness. They serve as a typical method for keeping lips looking shiny and healthy. They provide protection from harmful environmental elements like humidity, wind, freezing temperatures and sun exposure. In order to restore the natural lip shade and reduce lip discoloration lip lightener is helpful. Smoking is a key cause of darker lips. Smoking items contains nicotine which causes the narrowing of blood arteries and decreasing blood flow. It leads to production of melanin hence lips get darken. Excessive sun exposure, dehydration, allergic reactions, and a vitamin B12 deficiency are also another causes of lip darkening. Lip lighteners is a non-gender specific. A lip lightener aids in bringing back the color of lips.^{[2][3]}

1.1. Lip anatomy and physiology

The lips function as speech, suction and prehension organs. It is made up of the external fascia, the orbicularis muscle, the skin and the muscles that insert surrounding it (mucous membrane and areolar tissue). Lip edges are covered in a dry, crimson mucous membrane that is continuous with the skin and is rich in touch corpuscles and vascular papillae. Internally the mucous membrane is reflected from the upper and lower lips onto the gums forming the superioris and inferioris folds in the middle line. The coronary arteries that completely encircle the buccal orifice close to the free margin of the lips are found in the areolar tissue or submucous layer. The coronary vessels are the superior and inferior coronary arteries which protrude from the face. The superior coronary is bigger than the inferior and it connects with the one on the other side to release a little artery that branches off into the septum arteriaseptinasi. There are situations when nasal haemorrhage can be controlled by compressing this artery. The superior labial vein also known as the coronary vein starts as a plexus in the upper lip's orbicularis muscle travels alongside the coronary artery and empties into the facial vein just below the lower lip's veins that drain the alae of the nose. Beneath the upper labial, the inferior coronary drains into the face mental which protrudes from the bone through the mental foramen and sends big twigs to the mucous membrane. The



INTRODUCTION

integument and the fascia of the lip and chin is where the nerves supplying the lower lip originate. Some lymphatic channels in the lips travel to a gland that is located directly above the hyoid bone's body while others travel to the submaxillary glands. In the submucous layer of the lips close to the mouth's entrance are the labial glands. They expel a mucus substance. Cysts of mucous retention form when the ducts of these glands are blocked. [5]

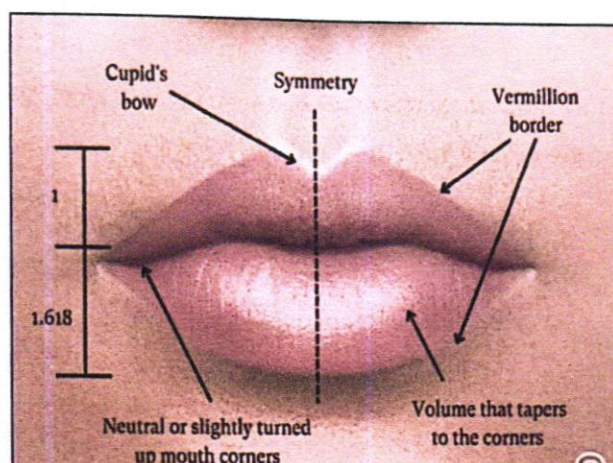


Fig 1: Lip anatomy

1.2. Difference between lip and regular skin structure

Lips are more appealing than ordinary skin. The top corneum layer of normal skin typically includes 15 to 16 layers for protective reasons. In comparison to the skin of the usual face, the top corneum layer of the lip has just three to four layers and is quite thin. There are very few melanin cells in the skin of the lips. As a result the blood vessels on the lips' skin can be seen more clearly giving the lips their attractive pinkish hue. Both sweat glands and hair follicles are absent from the skin of the lips. As a result it does not include body oil or perspiration to protect the lip from the environment.

1.3. Lip disorders

a. Chapped lips

Chapped lips are a result of dry, cracked skin on your lips that occurs due to sun exposure, cold or dry weather, frequent lip-licking, or dehydration. Chapped lips can result from exposure to an allergen or a medical condition.

Symptoms: scaling or parched lips, skin cracking, skin peeling, Itching, abrasions in the mouth and lips, Dehydration, Weather Allergies, deficiency, lip licking etc.

b. Swelling



Lip swelling is due to an allergic response to the substance in the environment, foods, or medications allergy.

Symptoms: Redness, injuries, Sunburn, Soreness, sensitive to the touch, cracked skin, blisters, chapped lips, change in lip color, fever and chills, headache, sores on the skin.

c. Sun damage

lips, especially the lower lip, may become dry and hardened as a result of UV damage. Damage that raises the risk of subsequent cancer is indicated by red spots or a white filmy appearance. lip swelling can be due to a variety of infection.

Symptoms: Chapped lips, Changed lip color, Cracked lips etc.

d. Cheilitis (lip inflammation)

Cheilitis which is a fungal infection that begins in the corners of the mouth. cheilitis it is a bacterial skin infection caused by herpes simplex virus. Lip inflammation known as cheilitis can be acute or chronic. This might result from an infection, UV damage, medications or other irritants, an allergy, or an underlying disease.

Symptoms: Swelling, Redness, Cracks, Fissures, Erosions, Crusts Scale etc. [6]

1.4. Ideal properties of lip care products

- a. It needs to have a moisturizing agent to stop water loss.
- b. It need to safeguard the lips.
- c. It should give the lips wonderful color and sheen.
- d. It should be imperfection-free.
- e. The application ought to stick firmly to the lips.
- f. The product should have a minimum three-month shelf life.
- g. Microorganisms should not be able to grow on it.
- h. It need to be stable. when stored

1.5. Advantages

- a. Lip care products support preserving the lips inherent attractiveness and health.
- b. It has been demonstrated to shield lips from the damaging effects of UV radiation.
- c. Both men and women can use them because they are not gender-specific products.
- d. These products support the protection of lips from chapping, dryness, and cold sores.

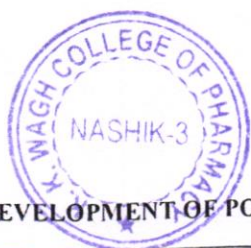


INTRODUCTION

- e. The product should not feel scratchy or dry to the touch, and it should allow the formation of a uniform layer over the lips to shield the labial mucous, which is sensitive to environmental elements including UV rays, dryness, and pollution.
- f. It revitalized and addressed lip-related issues brought on by the flu, the cold, and allergies.
- g. The use of natural lip cosmetic to treat the appearance of the face and condition of the skin.

1.6. Disadvantages

- a. product created with inferior materials may be harmful
- b. These lip balms could make your lips dry it as opposed to.
- c. Homemade items have a tendency to last less time on the lips than goods that are prepared commercially. Consequently, you must frequently reapply.
- d. Some businesses create lip care products with simply the aesthetic appeal in mind, omitting the skin's softness and health advantages. These goods will eventually
- e. Diminish the lips' natural colour, suppleness, and luster.
- f. The product stability. and flavours are more difficult to find and have problems with
- g. of natural oils include the fact that they are greasier, com
- h. Other drawbacks organically generated color's endogenic, and less spreadable.^{[7][8]}



2. AIM AND OBJECTIVES

Because of the negative side effects of conventional drugs the use of herbal medicine has multiplied. Lip swelling, chapped lips, sun damage, drying, cheillitis, lip darkening, etc. are a few of the most typical lip problems. Due to the existence of a variety of phytochemical ingredients numerous herbs are utilized to treat all of these illnesses globally. Lip only has 3-4 layers of skin cells as opposed to the normal 15-20 layers seen in the structure of skin. Since oil glands are not present in lips these functions cannot be maintained. So there is a growing need for lip care products. Lips get darker as a result of an increase in melanin pigmentation brought on by exposure to the sun, tobacco, and other diseases. The goal of the proposed study is to create a safe, efficient lip care solution using a variety of herbal substances as an alternative to products made of dangerous chemicals. Additionally creating products that are not gender-specific is the goal. Physicochemical characteristics were used to determine which pharmaceutical goods to use in this study. Additionally it is noted to have a pH that is excellent for lips, superior spreadability and ease of washing.^[9]



3. LITERATURE REVIEW

1. Mayuri Kadu *et al.* 2014

The article review on the essential ingredients used for natural lip balm along with merits or limitations. The natural lip balm made using naturally occurring base, oils, extract and flavouring agents which can be evaluated for their resistance to temperature variation, pleasant flavour and smoothness during application, adherence and easy intention removal, etc.

2. Shubham Vitnor *et al.* 2022

The article review on product have long lasting moisturizing herbal lip balm containing Honey, hyaluronic acid and SPF. The lip balm not only contains herbal elements to decrease Negative effects but, also maintains moisturizing effects throughout time.

3. Aienobe Agbonisan charity *et al.* 2013

The review aimed at investigating knowledge and perception of possible health risk associated with use of CLPs. The study adopted mixed method study design. The chemical analysis show that CLPs may contains heavy metals injurious to health.

4. Rushikesh Sankpal *et al.* 2022

The article reviews on Natural ingredients used for Natural lip balm along with their advantages and disadvantages. Natural lip balm preparation applied on lip to avoid dryness and protect against adverse environmental pollutants. Natural lip balm helps to maintain and promotes healthy lips.

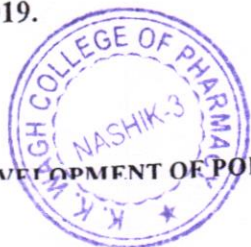
5. Neha Rasheed *et al.* 2019

The article based on objective of the Present study involved preparation and evaluation of herbal lipstick using colour matter from natural sources such as carrot ,Beetroot, Turmeric, Pomegranate and cocoa. Prepared herbal lipstick evaluated for different evaluation tests such as color, texture, pH, meting point and aging.

6. Richa Kothari *et al.* 2017

Article review mainly focus on herbal lipsticks are gaining popularity because natural cosmetics are safe to use and easy to handle by women. Synthetic coloring agents may cause allergic reactions.

7. Anisa, H.etal.2019.



LITERATURE REVIEW

To test the stability of lip balms, homogeneity and organoleptic tests were carried out for 20 days at room temperature storage by observing changes in color, smell, and texture, pH test, rub test, and irritation test. The formulated lip balm is environmentally friendly and has minimal side effects.

8. Fernandes A. R. *et al.* 2013

Lip balms are formulations applied onto the lips to prevent drying and protect against adverse environmental factors. The cosmetic literature reports scant data on this type of formulation, although references related to lipstick apply because it is a cosmetic form similar to lip balm (stick form).

9. Nileshwari Chaudhari *et al.* 2018

From ancient times the demand of cosmetics are incredible. Lipcare formulations are used to augment the beauty of lips. Extraction of natural colouring agent such as Extraction of Bixin Form Bixa Orenella (Annatto), Extraction of Betanin from Beta Vulgaris (Beetroot), Beetroot is that the main supply of natural red dye. The use of natural colorants in lipstick formulation having no or minimum side effect. Thus, we can move towards the use of natural colorants to prepare lipcare product.

10. Pandit Deepika *et al.* 2020.

Lipstick is a cosmetics product which is most widely used cosmetics. It contains pigments, oils, waxes, and emollients that provide color, texture, and protection to the lips. Many colors and types of lipstick exist. Some lipsticks are also lip balms, to add color and hydration.



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COMMON INGREDIENTS USED FOR LIPCARE PRODUCT

4. COMMON INGREDIENTS USED FOR LIPCARE PRODUCT

Base	beeswax, carnauba wax, ozokerite, ceresin, microcrystalline wax, cocoa butter, shea butter, white beeswax, yellow bees wax, olive wax, jojoba wax, raspberry butter, sweet almond wax.
Oil	coconut oil, olive oil, almond oil, vitamin oil, carrot seed oil, tea tree oil, avocado oil, peanut oil, castor oil, lemon oil, lavender oil, pomegranate oil, sunflower oil, corn oil, rose geranium oil,
Coloring agent	beet root, marigold, tomato, marigold, pomegranate, watermelon, saffron, turmeric, cherry, plum, mango, carrot, lemon, strawberry. ^[10]
Flavouring agent	strawberry, honey, orange, saffron, vanilla, cherry, sandalwood, jasmin, rosemary, pineapple. ^[11]

Table 1: Common ingredients

4.1. Base

The fatty base composition has a significant impact on the quality of lipstick and other lip care products during production, storage, and use. Additionally the amount of base used affects how the products behave viscously. If the base is molten throughout production it must be able to mill, grind and pour into the other moulds. Additionally the bases must quickly establish good surface and release qualities in moulds. Additionally it should be sufficiently thixotropic to spread readily on the lips and produce an adherent coating that won't smudge or ideally transfer to cups or glasses. A careful combination of solid waxes (high m.p.) and additional softening agents (low m.p.) can be used to create such a blend.^[12]

4.1.1. Solid Waxes

Waxes like hard paraffin, soft paraffin, candelilla wax, ozokerite waxes, white wax, ceresine wax etc. are used alone or usually in combination to achieve the desired melting point, viscosity and other physical properties. Most solid components of lip care products give structure to the products and solidify the liquid matrix. It also used to achieve the body, hardness, melting point and shrinkage which is necessary for easy mold release are natural waxes. They are classified as common wax e.g. bees wax (m.p. 62°C- 66°C), microcrystalline waxes e.g. ozokerite (m.p. 56°C-82°C), ceresin (m.p. 60°C -75°C), hard waxes e.g. carnauba (m.p. 65°C -75°C).

4.2. Oils

SAMPLE PROJECT REPORT

Oils and fats can take many different physical forms but normally at room temperature the latter are solids. Chemically triglycerides or glycerol and fatty acids are the building blocks of fats and oils. The oils having the highest concentrations of saturated fatty acids (lauric, myristic, palmitic, and stearic acids) include coconut oil, cottonseed oil, and palm oil. Among the oils with a high content of oleic, arachidonic, and linoleic acids are canola oil, olive oil, maize oil, almond oil, safflower oil, castor oil, and avocado oil. Saturated oils are more stable and take longer to go rancid than unsaturated oils. Conversely, unsaturated oils feel smoother and more luxurious are less greasy and are better absorbed by the skin. Although natural, shea, avocado, and cocoa butters are not true butters. Regardless of the form, natural butters are excellent emollients and thickeners in general and may also have additional characteristics. For the applied lip skin to have an appropriate film the oil mixture must correctly combine with the waxes. Today many lip balms still contain castor oil because of its advantageous qualities but there may also be other oils or solvents. Refined castor oil has an appealing tint and is flavorless and odourless. Castor oil is a powerful plasticizing agent. Castor oil should nevertheless be supplemented with an antioxidant to avoid rancidification even though it is less prone to it than other vegetable oils like olive oil or almond oil. Because of its skin-softening qualities jojoba oil can help keep lips from drying out. Vitamin E a well-known antioxidant is essential to the lip balm base. The skin is stimulated and revitalized with peppermint essential oil. Cinnamon essential oil is a great antioxidant. Lavender essential oil is relaxing and nutritious for the skin. Grapefruit essential oil is also energizing and cooling for chapped lips. ^[13]

4.3. Flavouring Agent

The four basic taste sensations are typically covered by flavours or other flavouring agents. The term flavour describes a fusion of taste, touch, smell, sight, and sound sensations that are influenced by physiological and biochemical processes that shape how things are perceived. The taste of the medicine is taken into consideration when choosing flavours or alternative substances may be required. Flavours for lip balm shouldn't have any additives that could be irritating or hazardous. These have to have good flavour and be able to mask the oily smell of the base. Flavouring agents are an essential component since they can be used to mask the smell of the fatty or wax substrate and to provide a delicious flavour. Usually they are used in formulations at a concentration of 2% to 4%. The flavour must be constant and complement the lip balm's other elements. The flavour shouldn't be too strong or at odds with others that might be used with the lip care products at the same time. Additionally, it has been recommended to utilise fragrances with fruity flavours. ^[14]



COMMON INGREDIENTS USED FOR LIP CARE PRODUCT

4.4. Colouring Agent

The main purpose of colorants or colouring agents is to give a distinctive appearance. Colour has been used in cosmetics since the dawn of time. In essence our desire to buy cosmetics is driven by our senses of sight, touch and scent. As a result colour plays a key role in cosmetic formulations. In order to stain the skin with a dye-stuff solution that can penetrate the outer layer of the lip as well as to coat the lips with a coloured layer that serves to conceal any roughness in the skin and give them a smooth appearance the colour is applied to the lips in two different ways. The first need is met by soluble dyes while the second requirement is met by insoluble dyes and pigments that alter the film's opaqueness. Modern lip balms now contain both for the combined effect. The Drug and Cosmetics Advisory Committee's certified dyes list must be used for the colours. The colorant made from a natural source must not be poisonous and cannot interfere with body processes. It must be a certain chemical material since only then will it be able to reliably colour and allow for an accurate test. Due to its potent tinctorial (colouring) capabilities only minuscule amounts should be needed for use. Because they must not be affected by light, hot climates, hydrolysis, or bacteria, colorants must remain stable during storage. Colorants must not be affected by compounds that reduce or oxidise them by changes in pH or by anything that interfere with tests and assays. Colorants that are water-soluble, oil-soluble or spirit-soluble are all desired. The most important characteristic of colorants is that they are compatible with other substances and medications. It must be easily accessible, reasonably priced, and devoid of any unpleasant tastes or odours. ^[15]

4.5. Preservative

Preservatives are essential for lip cosmetics as they prevent microbial growth and keep goods fresh. One of the most popular and safest preservatives for lips is phenoxyethanol a type of glycol ether. It is regarded as safe for human eating and allowed for use in skin care products. Additionally it effectively protects lip goods from contamination by yeast, bacteria, and fungi. Other preservatives deemed suitable for use on lips include sodium benzoate and ethylhexylglycerin. These preservatives provide antibacterial protection and can help prolong the shelf life of lip cosmetics. The concentration should not be used above 0.1% because any higher gives a burning feeling. ^[16]



5. PHYTOANALYSIS

PHYTOANALYSIS

5.1. Chemical tests ^[17]

Sr. No	Phytochemical	Test	Procedure	Observation	Result
1.	Alkaloids	Draganadorffs test	1 ml Dragandorff's test+ 2ml ingrdient	Orange red colour	Alkaloid present
		Wagners test	2 drops of Wagners reagent+ 2 ml	Reddish colour	Alkaloid present
		Hagers test	1ml ingredient +3 ml Hagers reagent	Yellow color	Alkaloid present
2.	Glycosides	Keller killani test	Test solution + Glacial acetic acid (1 ml) + FeCl ₃ mixture + 0.5 ml extract + H ₂ SO ₄	Blue colour in acetic acid layer	Glycosides present
		Legal's test	Test solution + Pyridine + Sodium Nitropruside + NaOH	Violet colour	Glycoside present
	Tannins test	Lead acetate test	Test solution + 3 ml Lead acetate	White ppt	Tannins present
3.	Flavonoids	Lead acetate test	Test solution + Lead acetate test Solution	Yellow ppt	Flavonoid present
		H ₂ SO ₄ test	Test solution + H ₂ SO ₄ at 60°C-80°C	Orange red colour	Flavonoid present
4.	Carbohydrate	Molisch's test	Test solution + conc. H ₂ SO ₄ + Molisch reagent	Purple ring	Carbohydrate present
		Benedict's test	Test solution + Benedict's solution and boil it.	Red ppt.	Carbohydrate present
		Fehlings test	Test solution + Fehling's solution and boil it.	Red ppt	Carbohydrate Test Positive present
5.	Saponin test		1 gm. test solution +10 ml water and shake for few minute	Foam formation	for Saponin
6.	Terpenoid test	Salkowaski test	Drug + Chloroform + H ₂ SO ₄	Yellow colour which change to red	Terpenoid present

Table 2: Chemical tests



6. INGREDIENTS PROFILE

MATERIAL AND METHOD

6.1. Honey

6.1.1. **Synonyms:** Madhu, Madh, Mel, Purified Honey.

6.1.2. **Biological Source:** Honey is a viscid and sweet secretion stored in the honey comb by various species of bees, such as *Apis mellifera*, *Apis dorsata*, *Apis florea*, *Apis indica* and other species of *Apis*, belonging to family Apidae.

6.1.3. **Phytochemistry:** Biological properties of these products are related to flavonoids they contain like chrysin, apigenin, kaempferol, quercetin, galangin, pinocembrin or naringenin. Several pharmacological activities of phenolic acids and flavonoids and also 10-hydroxy-trans-2-decenoic acid which is present in royal jelly have been reported.

6.1.4. **Uses:** Honey shows mild laxative, bactericidal, sedative, antiseptic and alkaline characters, dead skin removing, antibiotic, anti-inflammatory, antiallergenic, tonic and antiaging. It is used for cold, cough, fever, sore eye and throat, tongue and duodenal ulcers, liver disorders, constipation, diarrhoea, kidney and other urinary disorders, pulmonary tuberculosis, marasmus, rickets, scurvy and insomnia. It is applied as a remedy on open wounds after surgery. It prevents infection and promotes healing. ^[18]

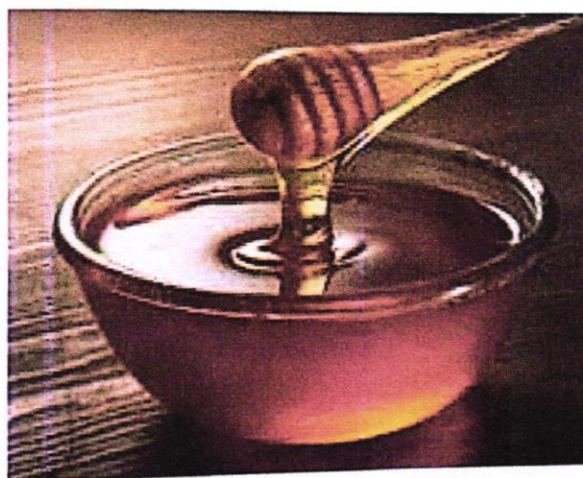


Fig 3: Honey

6.2. Coconut oil

6.2.1. **Synonyms:** coconut butter, copra oil.

6.2.2. **Biological Source:** Coconut oil is the oil expressed from the dried solid part of endosperm of coconut, *Cocos nucifera* L, belonging to family Palmae.



MATERIAL AND METHOD

6.2.3. Phytochemistry: The lauric acid in coconut oil has nourishing properties that seep into your skin. Some coconut oils absorb quickly, providing moisture to heal dry, chapped lips.

6.2.4. Uses: In many parts of the world, oil is consumed as food. Fractionated coconut oil is referred to as 'Thin vegetable oil' in the European Pharmacopocia. For the oral delivery of various medications, it serves as a helpful nonaqueous medium. Drugs that are unstable in aqueous media are prepared as oral suspensions using fractionated coconut oil as a base. Conditions including cystic fibrosis, enteritis, and steatorrhoea that are characterised by poor fat absorption are treated with diets high in medium-chain triglycerides, which include products manufactured from coconut oil. Patients following a diet high in medium chain triglycerides have complained of stomach ache and diarrhoea. ^[19]



Fig 3: Coconut oil

6.3. Shea butter

6.3.1. Synonyms: Theobroma oil, cacao butter, cacao beans, semina theo-bromatis.

6.3.2. Biological Source: It is obtained from roasted seeds of *Theobroma cacao* Linn, belonging to family Sterculiaceae.

6.3.3. Phytochemistry: Shea butter is typically used for its moisturizing effects. These benefits are tied to shea fatty acid content, including linoleic, oleic, stearic, and palmitic acids

6.3.4. Uses: is used as an emollient, as a base for suppositories and ointments, manufacture of creams, and toilet soaps. It reduces the formation of stretch marks during pregnancy by keeping the skin supple. It is used as an ingredient in lotion bars, lip balms, body butters, soaps, and belly balms for expectant mothers. ^[20]



MATERIAL AND METHOD



Fig 4: Shea butter

6.4. Almond oil

6.4.1. **Synonym:** Copra oil.

6.4.2. **Biological Source:** Almond oil is a fixed oil obtained by expression from the seeds of *Prunus amygdalus* (Rosaceae) var. *dulcis* (sweet almonds) or *P. amygdalus* var. *amara* (bitter almonds).

6.4.3. **Phytochemistry:** Magnesium, vitamin E, antioxidants, fatty acids, and other elements like these are abundant in sweet almond oil. Almond oil has a high fatty acid content, which makes it easy to infiltrate the spaces between your lips and hydrate and lock in moisture. Its vitamin E concentration is also great for maintaining smooth, supple lips. Almond oil can be used to defend against environmental factors that might result in dark skin, chapped lips, and cracked skin.

6.4.4. **Uses:** Expressed almond oil is an emollient and an ingredient in cosmetics. Almond oil is used as a laxative, emollient, in the preparation of toilet articles and as a vehicle for oily injections. The volatile almond oils are used as flavouring agents. ^[21]



Fig 6: Almond oil

MATERIAL AND METHOD

6.5. Orange oil

6.5.1. Synonyms: citrus vulgaris, Citrus bigaradia, Citrus aurantium amara, Biga-rade orange, Bitter orange, Seville orange, (Sweet) Portugal orange, China orange, Citrus dulcis, Cortex aurantii amar L, Seville orange peel.

6.5.2. Biological Source: The orange peel is the fresh or dried outer part of the pericarp of *Citrus aurantium* Linn, belonging to family Rutaceae.

6.5.3. Phytochemistry: Orange Blood Terpenes Monoterpenes, which are abundant in essential oils, calm the skin and promote blood flow. Vitamin E gives lips nourishment and moisture.

6.5.4. Uses: It is employed in fish liver oil preparations and liver extract in particular as an aromatic, stomachic, carminative, and flavoring ingredient. The oil is mostly utilized as a flavoring component in the oil of turpentine used to treat chronic bronchitis. It is enjoyable to take and does not irritate the kidneys. ^[22]

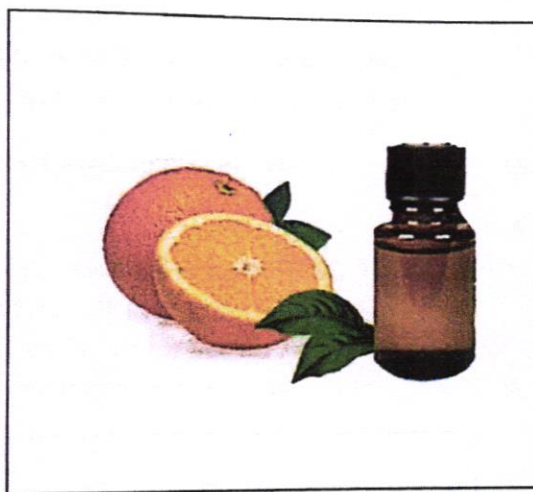


Fig 7: Orange oil

6.6. Sunflower oil

6.6.1. Synonym: Marigold, *Helianthus angustifolius*, Jerusalem artichoke, Maximilian's sunflower, showy sunflower.

6.6.2. Biological Source: Sunflower oil obtained from dried seeds of *helianthus annus*, belonging to family compositae.

6.6.3. Phytochemistry: The linoleic acid included in sunflower oil helps to build the skin barrier. In other words, it will protect your lips from external stimuli and aid to prevent water loss.

6.6.4. Uses: Sunflower oil used for food preparation, seed meal, fuel, supplements. ^[23]



MATERIAL AND METHOD



Fig 7: Sunflower oil

6.7. Raspberry oil

6.7.1. **Synonym:** catcall, holler, hoot, jeer, raspberry.

6.7.2. **Biological source:** The raspberry is the edible fruit of *Rubus idaeus* a multitude of plant species in the genus *Rubus* of the rose family, most of which are in the subgenus *Idaeobatus*.

6.7.3. **Phytochemistry:** Specifically formulated with lab-proven Active, Palmitoyl Tripeptide - 38, to lighten lip in just 28 days.

6.7.4. **Uses:** They provide potassium, essential to heart function, and proven to lower blood pressure. The omega-3 fatty acids in raspberries can help prevent stroke and heart disease. They also contain a mineral called manganese, which is necessary for healthy bones and skin and helps regulate blood sugar. It has SPF 40-50 hence, it has UV protecting action so, and it prevent the pigmentation.^[24]



Fig 8: Raspberry oil

6.8. Geranium oil

6.8.1. **Synonym:** *Pelargonium roseum*, *Pelargonium incrassatum*.



MATERIAL AND METHOD

6.8.2. Biological source: The essential oil of *Pelargonium* is synthesized in specialized cells known as trichomes, belonging to family geraniaceae.

6.8.3. Phytochemistry: The main chemical constituents of Geranium Essential Oil are Linalool, Geranyl formate, Citronellol, and Geraniol.

6.8.4. Uses: Geranium is a popular essential oil used in aromatherapy, perfume, and skincare. It has soothing, moisturizing and antibacterial properties. [25]

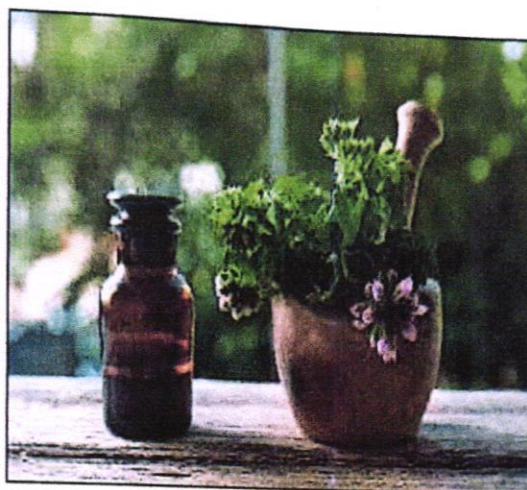


Fig 9: Geranium oil

6.9. Pomegranate oil

6.9.1. Synonym: Dalim, alphaornacis.

6.9.2. Biological source: The pomegranate (*Punicagranatum*) is a fruit-bearing deciduous shrub in the family Lythraceae, subfamily Punicoideae.

6.9.3. Phytochemistry: Pomegranate fruit is one of the natural ingredients containing anthocyanin which can be used as a natural dye, antioxidant, and antibacterial, depigmenting agent.

6.9.4. Uses: Possible benefits of pomegranate juice include being an antioxidant, which may help prevent cancer and other conditions, providing vitamin C, boosting digestive health, and reducing insulin resistance. [26]



Fig 10: Pomegranate oil

MATERIAL AND METHOD

6.10. Beetroot

6.10.1. **Synonym:** Beta vulgaris

6.10.2. **Biological source:** Beet, (*Beta vulgaris*), also called beetroot, common beet, or garden beet, one of the four cultivated forms of the plant *Beta vulgaris* of the amaranth family (*Amaranthaceae*), grown for its edible leaves and taproot.

6.10.3. **Phytochemistry:** The lip cards contains beetroot extract which functions as a dye that can be used for lips coloring. In beets, there was betacyanin which is a beet red pigment. Betanine is the main part of the red colorant extracted from common beetroot. The roots are most typically deep red to purple in color due to a variety of betalain pigments.

6.10.4. **Uses:** Beetroot provides a wide range of possible health benefits, such as reducing blood pressure, improving digestion, and lowering the risk of diabetes^[27]

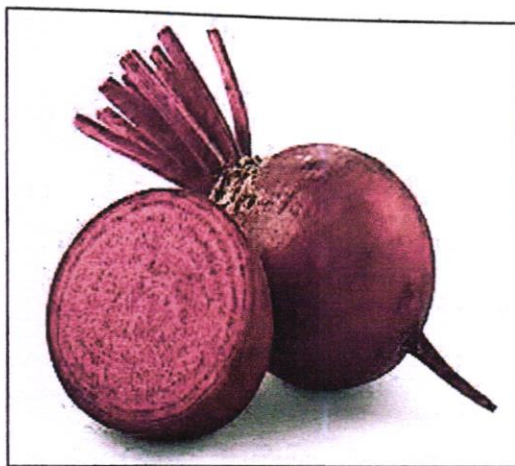


Fig 11: Beetroot

6.11. Beeswax

6.11.1. **Synonym:** White beeswax, Yellow beeswax, Cera Alba, and Cera flava.

6.11.2. **Biological source:** Beeswax is the purified wax obtained from honeycomb of hive bee, *Apis mellifera* L. and other species of *Apis*, belonging to family *Apidae*.

6.11.3. **Phytochemistry:** Beeswax is mainly composed of a mixture of hydrocarbons, free fatty acids, monoesters, diesters, triesters, hydroxy monoesters, hydroxy polyesters, fatty acid polyesters, and some compounds. This substance contains natural ingredients, which help retain moisture in the skin.

6.11.4. **Uses:** Beeswax is used in the preparation of ointments, plaster, and polishes.^[28]



MATERIAL AND METHOD

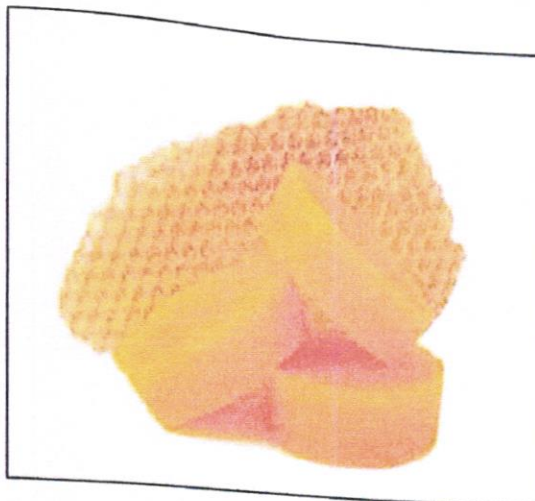


Fig 12: Beeswax

6.12. Black berry

6.12.1. Synonym: Razz, Sniker, Jeer.

6.12.2. Biological source: *Rubus fruticosus* L. is a shrub famous for its fruit called blackberry fruit or more commonly blackberry.

6.12.3. Phytochemistry: Blackberry (*Rubus sp.*) fruit has a strong antioxidant capacity and other biological activities, because it includes significant levels of anthocyanins and other phenolic compounds, primarily flavonols and ellagitannins.

6.13.4. Uses: Blackberry is used for treating diarrhoea, fluid retention, diabetes, gout, and pain and swelling (inflammation) and for preventing cancer and heart disease. It is also used as a mouth rinse for mild mouth and throat irritation. It also used as a colouring agent.^[29]



Fig 14: Black berry

6.13. Rose oil

6.13.1. Synonym: attar of roses, attar, atar, athar, ottar.



MATERIAL AND METHOD

6.13.2. Biological source: The petals of various roses are used to make rose oil. *Rosa damascena* Mill and *Rosa centifolia* L.

6.13.3. Phytochemistry: *Rosa alba* L. leaves and petals have been subjected to qualitative analyses for the detection of secondary metabolites. Results of the testing revealed that tests for flavonoid in the leaves and petals were positive, indicating that this species contains significant amounts of these chemicals, whereas tests for phenolic compounds and anthraquinone only revealed positive results in the leaves.

6.13.4. Uses: The rose oil used as coloring agent. In the past, rose oil was utilized as a cicatrisant (wound-healing) component, and many people still use it for this function. Rose oil is particularly advantageous for dry, sensitive, or ageing skin because it is believed to have a regenerative effect on cell tissue. It can maintain elastic, moisturized, and healthy skin. [30]

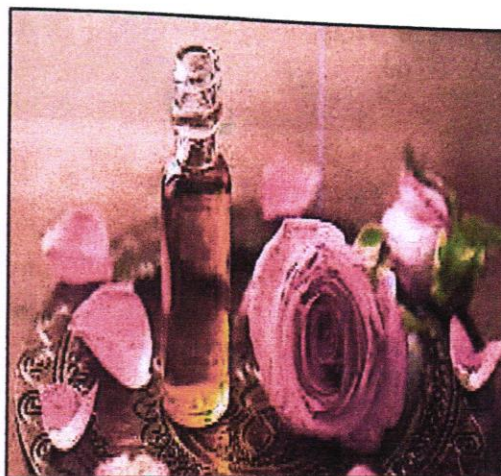


Fig 15: Rose oil

7. MATERIAL AND METHOD



Fig 16: Ingredients

Polyherbal lip care product formulated using following ingredient.

7.1. Formula: 1

Sr. No	Ingredients	Quantity (gm)	Role
1.	Bees Wax	13	Hardness and impart glossiness
2.	Shea Butter	11	Softening agent
3.	Honey	5	Dead skin removal
4.	Coconut oil	11	Moisturizing agent
5.	Sunflower oil	0.4	Emollient
6.	Orange oil	0.3	Soothing agent
7.	Pomegranate juice	6	Prevent pigmentation
8.	Almond oil	3	Antioxidant

Table 3: Formula 1

Procedure:

FORMULATION DEVELOPMENT OF POLYHERBAL LIP CARE PRODUCT



MATERIAL AND METHOD

1. Firstly all ingredients were weighed accurately by using digital weighing balance.
2. Initially beeswax and shea butter are melted according to melting point in hot water bath with continuous stirring until its melts properly.
3. After that honey and oil were added into Pomegranate juice.
4. The above mixture is added into container containing melted wax.
5. The mixture was stirred continuously.
6. Then the mixture of liquid lip balm was poured into a clean wide mouth container.
7. The mixture was allowed in the refrigerator to set.

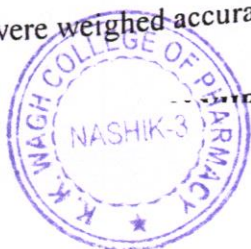
7.2. Formula: 2

Sr. No	Ingredients	Quantity(gm)	Role
1.	Bees Wax	13	Hardness and impart glossiness
2.	Shea Butter	11	Softening agent
3.	Honey	5	Dead skin removal
4.	Coconut oil	11	Moisturizing agent
5.	Sunflower oil	0.4	Emollient
6.	Orange oil	0.3	Soothing agent
7.	Pomegranate oil	0.3	Depigmenting agent
8.	Beetroot extract	6	Colouring agent
9.	Almond oil	3	Antioxidant

Table 4: Formula 2

Procedure

1. Firstly all ingredients were weighed accurately by using digital weighing balance.



MATERIAL AND METHOD

2. Initially beeswax and shea butter are melted according to melting point in hot water bath with continuous stirring until its melts properly.
3. After that honey and oils were added into beetroot extract.
4. Above mixture is added into container containing melted wax.
5. The mixture of formulation was stirred continuously
6. Then the mixture of liquid lip balm was poured into a clean wide mouth container
7. The mixture was allowed in the refrigerator to set.

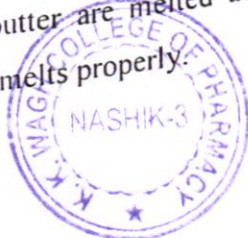
7.3. Formula: 3

Sr. No	Ingredients	Quantity (gm)	Role
1.	Bees Wax	13	Hardness and impart glossiness
2.	Shea Butter	11	Softening agent
3.	Honey	5	Dead skin removal
4.	Coconut oil	11	Moisturising agent
5.	Sunflower oil	0.4	Emollient
6.	Orange oil	0.3	Soothing agent
7.	Rose oil	6	Colouring agent
8.	Almond oil	3	Antioxidant

Table 5: Formula 3

Procedure

1. After beeswax and shea butter are melted according to melting point in hot water bath with continuous stirring until its melts properly.



SIDE PRODUCT

MATERIAL AND METHOD

2. Initially beeswax and shea butter are melted according to melting point in hot water bath with continuous stirring until its melts properly.
3. After that honey and oils were added into beetroot extract.
4. Above mixture is added into container containing melted wax.
5. The mixture of formulation was stirred continuously
6. Then the mixture of liquid lip balm was poured into a clean wide mouth container
7. The mixture was allowed in the refrigerator to set.

7.3. Formula: 3

Sr. No	Ingredients	Quantity (gm)	Role
1.	Bees Wax	13	Hardness and impart glossiness
2.	Shea Butter	11	Softening agent
3.	Honey	5	Dead skin removal
4.	Coconut oil	11	Moisturising agent
5.	Sunflower oil	0.4	Emollient
6.	Orange oil	0.3	Soothing agent
7.	Rose oil	6	Colouring agent
8.	Almond oil	3	Antioxidant

Table 5: Formula 3

Procedure

1. After beeswax and shea butter are melted according to melting point in hot water bath with continuous stirring until its melts properly.

MATERIAL AND METHOD

2. That honey and oil were added into a rose oil.
3. Above mixture initially all ingredients were weighed accurately by using digital weighing balance. Is added into container containing melted wax.
4. The mixture was stirred continuously.
5. Then the mixture of liquid lip balm was poured into a clean wide mouth container.
6. The mixture was allowed in the refrigerator to set.

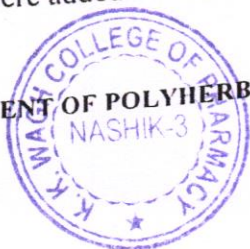
7.4. Formula: 4

Sr. No	Ingredients	Quantity(gm)	Role
1.	Bees Wax	13	Hardness and impart glossiness
2.	Shea Butter	11	Softening agent
3.	Honey	5	Dead skin removal
4.	Coconut oil	11	Moisturising agent
5.	Sunflower oil	0.4	Emollient
6.	Orange oil	0.3	Soothing agent
1.	Black Berry	6	Colouring agent
2.	Almond Oil	3	Antioxidant

Table 6: Formula 4

Procedure

1. Firstly all ingredients were weighed accurately by using digital weighing balance.
2. Initially beeswax and shea butter are melted according to melting point in hot water bath with continuous stirring until its melts properly.
3. After that honey and oil were added into a black berry.



MATERIAL AND METHOD

4. The above mixture is added into container containing melted wax
5. The mixture was stirred continuously
6. Then the mixture of liquid lip balm was poured into a clean wide mouth container
7. The mixture was allowed in the refrigerator to solidify.

7.5. Formula: 5

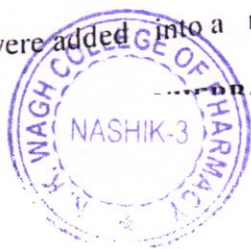
Sr. No	Ingredients	Quantity(gm)	Role
1.	Bees Wax	13	Hardness and impart glossiness
2.	Shea Butter	11	Softening agent
3.	Honey	5	Dead skin removal
4.	Coconut oil	11	Moisturizing agent
5.	Sunflower oil	0.4	Emollient
6.	Orange oil	0.3	Soothing agent
7.	Geranium oil	0.3	Antiageing /antimicrobial
8.	Raspberry oil	6	Prevent pigmentation
9.	Almond oil	3	Antioxidant

Table 7: Formula 5

Procedure

1. Firstly all ingredients were weighed accurately by using digital weighing balance.
2. Initially beeswax and shea butter are melted according to melting point in hot water bath with continuous stirring until its melts properly.
3. After that honey and oils were added into a raspberry oil.

For...



LIP CARE PRODUCT

MATERIAL AND METHOD

4. The above mixture is added into container containing melted wax
5. The mixture was stirred continuously
6. Then the mixture of liquid lip balm was poured into a clean wide mouth container
7. The mixture was allowed in the refrigerator to set. [31]



8. EVALUATION PARAMETER

EVALUATION PARAMETER

8.1. Organoleptic properties

The prepared formulation was evaluated for organoleptic properties such as colour, odour, and appearance. Samples were analysed in duplicate within the allotted time for each condition to evaluate the organoleptic properties, and the results were compared to a freshly generated formulation at time zero (t₀).^[32]

As

N – Normal

M – Modified

IM - Intensely Modified

8.2. Physicochemical properties

8.2.1. Measurement of pH

Prepared formulation was evaluated for its pH in order to determine the possible side effects. Because acidic and alkaline pH causes the skin irritation. The pH was measured by using the pH meter.^[33]

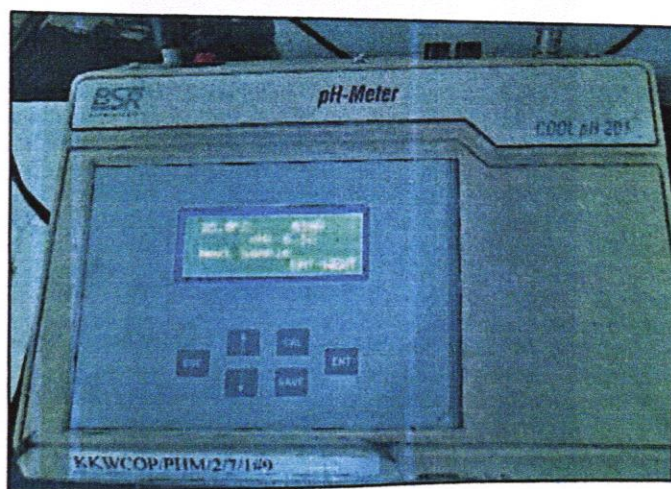


Fig 23: pH Meter

8.2.2. Skin irritation

The prepared formulation was evaluated by applying the formulation onto the skin for 10 minutes. Ultimately observed for sign of redness and irritation.^[34]



8.2.3. Spreadability

EVALUATION PARAMETER

Spreadability was determined by the apparatus which consist of wooden block, which was provided by the pulley at one end. By this method spreadability was measured on the basis of slip and formulation characteristics of formulation. An excess of formulation (2 gm) was placed on the on glass slide. The formulation was then sandwiched between this glass slide and another glass slide having the dimensions of fixed ground slide and provided with the hook. A 100 gm weighted was placed on the top of the two slides for 5mins to expel air and to provide the uniform film of the formulation between two slides. Excess of formulation was scrapped off from the edges. The top plate was then subjected to the pull of 80gms. With the help of string attached to the hook and time in seconds required by the top slides to cover a distance of 7.5cm can be noted. A shorter interval indicates better spreadability.

$$S = M \times L \div T$$

Where,

S= Spreadability,

M= Weight of pen tied to the upper slide,

T= Time taken (sec) to separated slides completely from each other. [35]

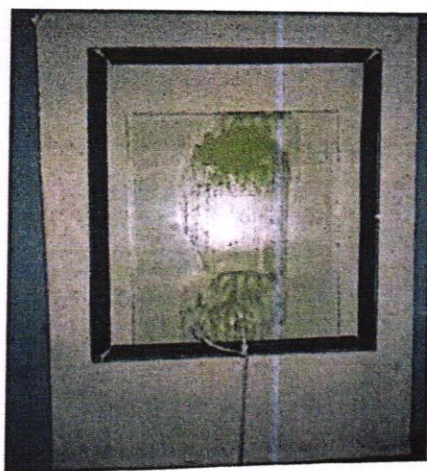
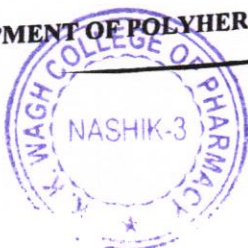


Fig 17: Spreadability testing

8.2.4. Melting point

The substance was heated until it melted and filled capillaries to get its melting point. The capillaries were connected to a thermometer-equipped device and submerged in a vial of water that was kept at a set temperature. The melting point was defined as the temperature at which the lip balm sample started to melt. [36]



EVALUATION PARAMETER

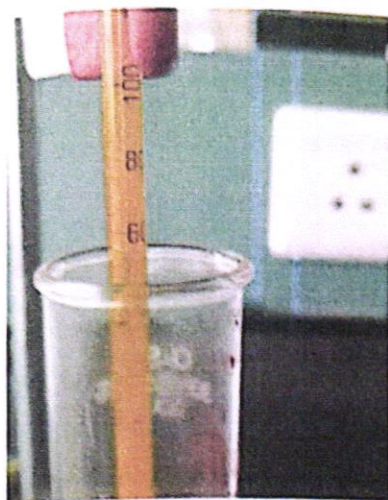


Fig 18: Melting point test

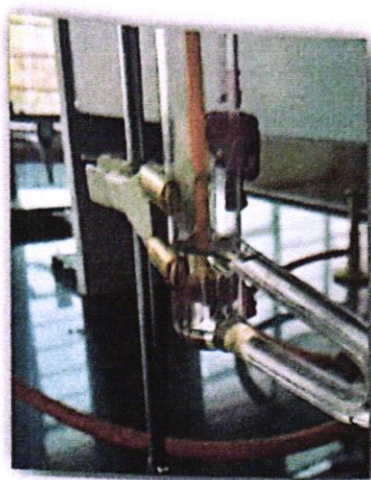


Fig 19: Melting point test

8.2.5. Microbiological Test

The test consists of plating a known mass of the sample on two selected culture media specifically suitable for the growth of bacteria and fungi and incubating them for a specified period to permit the development of visual colonies for counting.

Apparatus: Autoclave, Conical flask, Petridish, incubator.

The temperature OF autoclave was maintained at 120° C. d 15 lb pressure. ^[37]

8.2.5.1. Media (Nutrient Agar Medium): 100 ml.

Component	Quantity (gm)	Role
Yeast extract	1	Carbohydrate source
Peptone	1	Source of amino acids, N, S, P, and other growth factors
Sodium Chloride	0.5	Electrolyte
Agar	2	Solidifying agent
Distilled water	to make 100 ml	Vehicle

Table 8: Media composition



EVALUATION PARAMETER

All the ingredients were added into the distilled water except agar and stirred it and heated. This process done aseptically. After the clear solution agar was added and again heated until clear solution formed. Again the prepared solution sterilized using autoclave. Nutrient agar added into the Petridishh and solidified. And formulation was spread onto the agar. And incubated for 48 hours at 30 °C. [38]

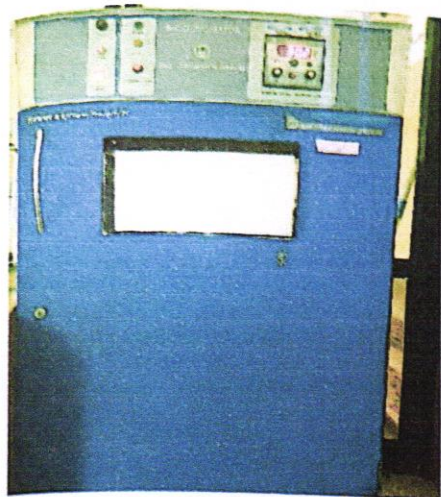


Fig 20: Incubator



Fig 21: Microbial test

8.2.6. Test for Rancidity

The oxidation of oil and many other substances may cause sticky product as well as unpleasant smell and taste. The test for rancidity is carried out with the help of hydrogen peroxide and after that determine its peroxide number.

Reagents: Acetic acid, Chloroform, Potassium Iodide solution, starch solution, sodium Thiosulphate.

Procedure: Add 6.65 gm sample in 250 ml conical flask in which add 30 ml acetic acid and chloroform mixture (3:2). Provide heat to dissolve the sample. Add 0.5 ml iodide solution. Shake it. Add 30 ml of distilled water after 2 min. titrate this solution with sodium thiosulphate.

Calculation

$$\text{Peroxide Value} = V \times N \times 1000 \div W_s$$

$$\text{Sample weight (} W_s \text{)} = 6.65 \text{ gm.}$$

$$\text{Normality of } H_2O_2 = 0.01N$$

$$\text{Volume of } H_2O_2 = \text{Final burette reading} - \text{Initial burette reading.}$$



$$= 30.6 - 27.2$$

$$= 3.4 \text{ ml}$$

$$\text{Peroxide Value} = V \times N \times 1000 \div W_s$$

$$= 3.4 \times 0.01 \times 1000 \div 6.650$$

$$\text{Peroxide value} = 5.11 \text{ meq /Kg}$$

Normal Range: should be less than 10 meq/Kg [39]

8.2.7. In-Vitro Occlusivity Test

The test is done by using 10 gm of distilled water placed in each beaker and covering the open end with Canva which used as a filter paper, having 0.45 pore size. 200mg of the sample is uniformly spread on the upper surface at $37 \pm 2^\circ \text{C}$. [40] [41]



8.2.8. Evaluation Table

EVALUATION PARAMETER

Evaluation Parameter	F1	F2	F3	F4	F5
Organoleptic characters					
Colour	Yellow	Peach	Brownish	Purple	Yellow
Odour	Pleasant	Pleasant	Pleasant	Pleasant	Pleasant
Appearance	Smooth	Smooth	Smooth	Smooth	Smooth
Physicochemical Parameters					
pH	6.1	6.7	6.9	6.12	6.16
Spreadability	Good	Good	Good	Good	Good
Skin irritation	No	No	No	No	No
Melting point	55	52	51	49	48
Microbiological test	Fungal growth	Fungal growth	Fungal growth	Fungal growth	No microbial growth
Rancidity	No	No	No	No	No

Table 9: Evaluation Table



RESULT AND DISCUSSION

9. RESULT AND DISCUSSION

Formula 1: The formed formulation satisfied the evaluation parameters but on post storage it shown the microbial growth.

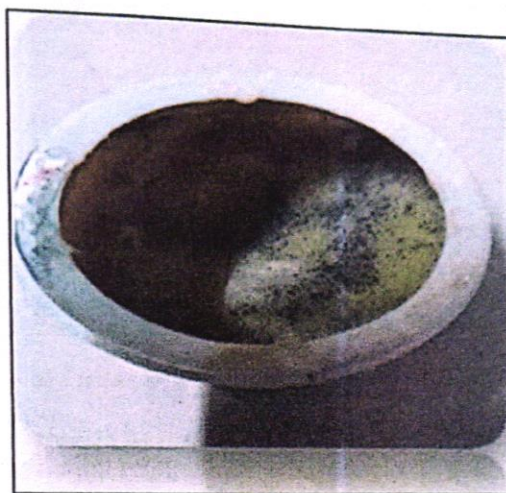


Fig 22: formulation 1

Formula 2: The formed formulation satisfied the evaluation parameter like all organoleptic properties and other evaluation parameters as pH, rancidity, spreadability, etc. but on post storage due to high oxidation of beet root extract the formulation got oxidised that result into discoloration of formulation.



Fig 23: Formulation: 2

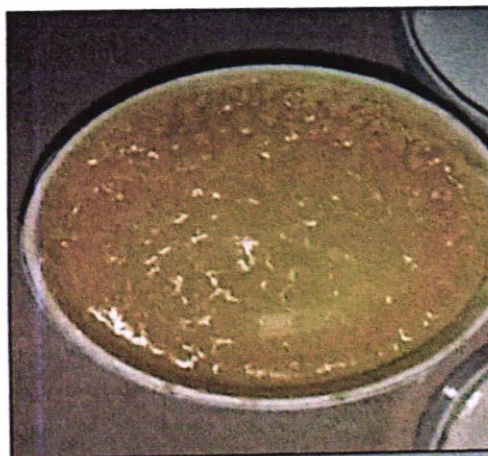


Fig 23: Formulation: 2 on post storage



RESULT AND DISCUSSION

Formula 3: The formed formulation contains the rose oil which does not show proper colour.

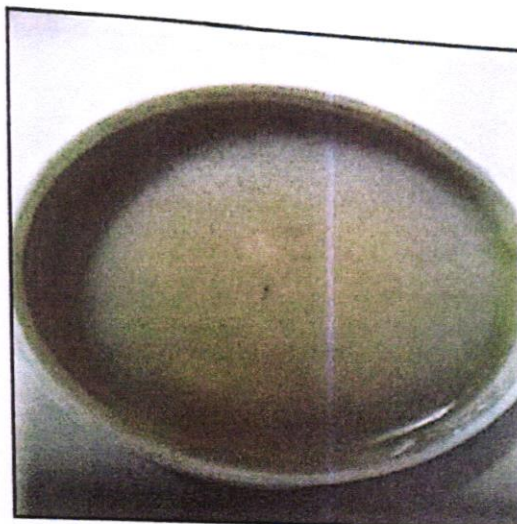


Fig 24: Formulation: 3

Formula 4: The formed formulation retained the colour but use of water for preparation of colour base shown the fungal growth on post storage.

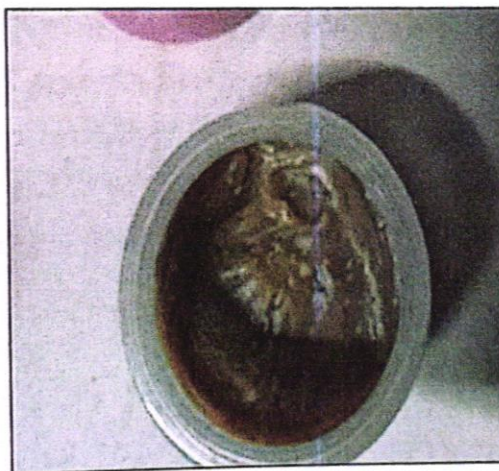
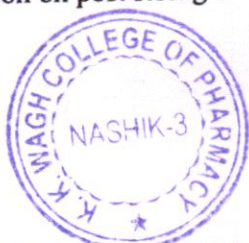


Fig 25: Formulation: 4

Formula: 5

The formed formulation satisfied the all evaluation criteria and did not show microbial growth and discolouration on post storage.



RESULT AND DISCUSSION



Fig 26: Formulation: 5

The polyherbal lip care formulation is developed using different herbals ingredients with the hope of minimizing side effects as produced by synthetic ones. None of formulations produced any skin irritation. But the formulation containing water shows the phase separation, colour change and fungal growth on storage. The various physiochemical properties of polyherbal lipcare product was studied i.e. pH, colour, spreadability, occlusivity, microbiological test, rancidity, melting point, etc. The pH of formulation ranged from 6 to 6.5 which is suitable for application without discomfort. The consistency and homogeneity of formulations were found to be good.



9.2. Chemical test result [42]

Sr No	Phytoconstituents	Name of test	Beech Wax	Shea Butter	Honey	Coconut oil	Sunflower oil	Orange oil	Geranium oil	Raspberry oil	Almond oil	Beetroot extract	Pomegranate oil	Blackberry
1.	Alkaloids	Draganadorffs	-	+	-	+	+	+	+	+	-	+	+	-
		Wagners test	-	+	-	+	+	+	+	+	-	+	+	-
		Mayers	-	+	-	+	+	+	+	+	-	-	+	-
		Hagers	-	+	-	+	+	+	+	+	-	-	+	-
2	Glycosides	Keller killani	-	-	+	+	-	+	-	-	+	+	+	-
		Legal	-	-	+	+	-	+	-	-	+	+	+	-
3	Tannins and Phenols	Lead acetate	-	+	-	+	-	+	+	-	+	+	-	+
4	Flavonoids	Lead acetate	+	+	+	+	+	+	+	+	+	+	+	+
		H2SO4	+	+	+	+	+	+	+	+	+	-	+	+
5	Carbohydrate	Molisch's	+	+	+	+	+	+	+	+	+	+	+	+
		Benedict's	+	+	+	+	+	+	+	+	+	+	+	+
		Fehlings	+	+	+	+	+	+	+	+	+	-	-	-
6	Saponin test		-	+	-	-	-	-	+	+	+	+	+	-
7	Terpenoid test	Salkowaski	-		-	+	+	+	+	+	+	+	+	+

Table 10: Chemical test result (+ indicates present; - indicates absent) [18]



RESULT AND DISCUSSION



Fig 27: Chemical test



10. CONCLUSION

CONCLUSION

The many peoples are suffer from lip disorders due to change in atmosphere, nutritional changes. The market demand of lip care cosmetics is goes on increasing to maintain lip health. The present work focuses on developing a non-gender specific formulation and to treat most of lip problems. The medicinal products used in this lip care formulation are the rich source of novel drugs. The ingredients like shea butter, bees wax, raspberry oil, almond oil, geranium oil and other ingredients had been reported for treating various lip problems. The products were checked for various physicochemical properties. All test has given favourable results. It confirms that the present formulation is safe and effective for use. But the use of the water for preparation of colour base shows fungal growth in formulation hence the formulations containing water has not satisfied the evaluation criteria. Those formulations needs the synthetic preservatives to maintain its stability during storage.



11. FUTURE SCOPE

FUTURE SCOPE

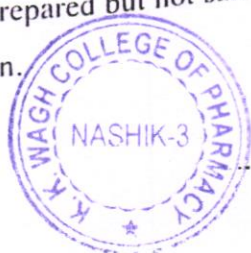
- a. Detailed personalized evaluation.
- b. Formulation with blend of potent herbal components.
- c. In vivo analysis.
- d. Long term stability study.



12. SUMMARY

Cosmetic is an any product intended to be rubbed, poured, sprinkled, sprayed, or otherwise applied to the human body or any portion of it for cleansing, beautifying, encouraging attractiveness, or altering the appearance. Lip care products are cosmetic that protect, promote and maintain the beauty of lips.

Lips either of the two fleshy parts or folds forming the margins of the mouth and functioning in speech. It has no oil glands therefore not generate their own hydration. These functions cannot be maintained. So, there is a growing need for lip care products. Lip edges are covered in a dry, crimson mucous membrane that is continuous with the skin and is rich in touch corpuscles and vascular papillae. The coronary arteries that completely encircle the buccal orifice close to the free margin of the lips are found in the areolar tissue or sub mucous layer. The coronary vessels are the superior and inferior coronary arteries, which protrude from the face. There are various lip disorders which damage the lips such as cheilitis, sun damage, chapped lips, swelling, etc. The lip care products need moisturizing agent in water loss. It also gives color, shiny or glossy appearance to the lips. lipcare products are not gender specific which protect the lips from UV damage, chapping and sore throat. Excessive sun exposure, dehydration, smoking, allergic reactions, and a vitamin B12 deficiency are the causes of lip darkening. A lip lightener lightens the color of lips that have darkened through smoking. In literature review various articles are preferred for the formulation and evaluation of lipcare products. Common ingredients used for lip care products are oils, Bases, Colouring agent and flavouring agents. Base have significantly impact on quality of lipcare products and enhance the storage and use of products. Solid waxes are used to achieve, hardness, Melting point and shrinkage which is easy to mold and release of waxes. The oils have highest concentration of saturated fatty acids such as, coconut oil, palm oil. Flavouring agents imparts the colors to the products. Flavours describes the smell, touch, sound sensation influenced by physiological and biochemical processes. Coloring agent gives the distinctive appearance to the cosmetic products. Preservatives enhance the shelf life of the products and prevent microbial growth. The various chemical test are performed for the phytochemical analysis sech as, Hager's or test for alkaloids, killer killani test for glycoside, lead acetate taste for tannins, molisch's test for carbohydrate and salkowaski test for terpenoids. Ingredients profile contains the Synonym, biological Source, phytochemistry or uses of various ingredients such as Honey, Coconut oil, Beeswax, Shea butter, Black berry, Rose oil, Almond oil, Sunflower oil, Pomegranate oil, Raspberry oil, etc. The common method for preparing lipcare products is firstly melt all waxes according to its boiling point then add the oils in the mixture and stir vigorously until homogeneous mixture is formed then, allowed to set in refrigerator. There are five types of formulation we are prepared but not satisfied with four formulations due to change in colour, fungal growth and discoloration.

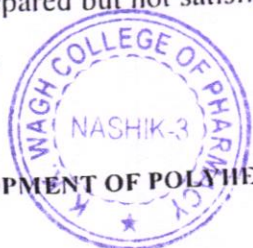


12. SUMMARY

SUMMARY

Cosmetic is an any product intended to be rubbed, poured, sprinkled, sprayed, or otherwise applied to the human body or any portion of it for cleansing, beautifying, encouraging attractiveness, or altering the appearance. Lip care products are cosmetic that protect, promote and maintain the beauty of lips.

Lips either of the two fleshy parts or folds forming the margins of the mouth and functioning in speech. It has no oil glands therefore not generate their own hydration. These functions cannot be maintained. So, there is a growing need for lip care products. Lip edges are covered in a dry, crimson mucous membrane that is continuous with the skin and is rich in touch corpuscles and vascular papillae. The coronary arteries that completely encircle the buccal orifice close to the free margin of the lips are found in the areolar tissue or sub mucous layer. The coronary vessels are the superior and inferior coronary arteries, which protrude from the face. There are various lip disorders which damage the lips such as cheilitis, sun damage, chapped lips, swelling, etc. The lip care products need moisturizing agent in water loss. It also gives color, shiny or glossy appearance to the lips. lipcare products are not gender specific which protect the lips from UV damage, chapping and sore throat. Excessive sun exposure, dehydration, smoking, allergic reactions, and a vitamin B12 deficiency are the causes of lip darkening. A lip lightener lightens the color of lips that have darkened through smoking. In literature review various articles are preferred for the formulation and evaluation of lipcare products. Common ingredients used for lip care products are oils. Bases, Colouring agent and flavouring agents. Base have significantly impact on quality of lipcare products and enhance the storage and use of products. Solid waxes are used to achieve, hardness, Melting point and shrinkage which is easy to mold and release of waxes. The oils have highest concentration of saturated fatty acids such as, coconut oil, palm oil. Flavouring agents imparts the colors to the products. Flavours describes the smell, touch, sound sensation influenced by physiological and biochemical processes. Coloring agent gives the distinctive appearance to the cosmetic products. Preservatives enhance the shelf life of the products and prevent microbial growth. The various chemical test are performed for the phytochemical analysis sech as, Hager's or test for alkaloids, killer killani test for glycoside, lead acetate taste for tannins, molisch's test for carbohydrate and salkowaski test for terpenoids. Ingredients profile contains the Synonym, biological Source, phytochemistry or uses of various ingredients such as Honey, Coconut oil, Beeswax, Shea butter, Black berry, Rose oil, Almond oil, Sunflower oil, Pomegranate oil, Raspberry oil, etc. The common method for preparing lipcare products is firstly melt all waxes according to its boiling point then add the oils in the mixture and stir vigorously until homogeneous mixture is formed then, allowed to set in refrigerator. There are five types of formulation we are prepared but not satisfied with four formulations due to change in colour, fungal growth and discoloration.



The various types of evaluation test are performed for stability testing of products such as, organoleptic parameters like pH, colour, odour, taste, appearance and Physicochemical parameters like skin irritation, Rancidity, occlusivity, Microbiological test, etc.

SUMMARY

13. REFERENCES

SAMPLE PROJECT REPORT

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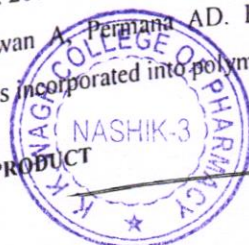
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1.3.3

B – INTERNSHIP



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1.3 Curriculum Enrichment

1.3.3 Number of students undertaking project work/field work/ internships

B – Internship

Sr. No.	Particulars
a.	Specimen copy of application for internship
b.	List of students completing internship
c.	Certificates of internship
d.	Sample internship report



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1.3.3

Specimen Copy of Application



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SPECIMEN COPY OF APPLICATION

Ref: KKWCOP/695/2023

Date: 15/07/2023

To

The HR Manager,
Emcare Pharma,
Pune

Subject: Application for Internship of our students at your organization.

Dear Sir/ Madam,

I take this opportunity to wish you a happy day and introduce our institution.

K. K. Wagh Education Society, Nashik is an esteemed name for quality education in the field of Engineering and technology, as well as other disciplines. It has completed 50 glorious years and is spread in nine different campuses in an around Nashik having 36 Institutions catering to the fields of Engineering, Polytechnic, Agriculture, Nursing, Liberal Arts, Humanities, Education, Schooling and PHARMACY.

K.K. Wagh college of Pharmacy, Nashik established in 2017-18 is approved by Pharmacy Council of India (PCI), State Government of Maharashtra and is affiliated to the Dr. Babasaheb Ambedkar Technological University, and has an annual intake capacity of 100 seats for First Year B. Pharm and 60 students for First Year D. Pharmacy. It has state of the art infrastructure, facilities and trained experienced faculty.

As a part of curriculum, the B. Pharmacy students have to complete a 1 month (5 week) internship at any esteemed manufacturing facilities like yours wherein, he/she gets more exposure to the manufacturing processes and equipment for various formulations. Besides this, he/she also gets exposed to the QC/QA, as well as, packaging departments.

Our Third Year/Final B. Pharm. students have been trained to good extent to the theoretical and practical aspects of above. However, above mentioned industrial exposure shall be helpful to build their confidence and capabilities to much better extent. For above purpose I request you to consider this application to accommodate our student of Third Year B. Pharm. Lokesh Ajay Bhalerao

for a month or more. I hope this gesture of yours shall be a foundation to build a partnership with academic institution like ours, and shall be mutually beneficial in future. It shall also be your noble contribution to the skill development of the nation. In the end I wish to reiterate that this process shall not incur any financial burden on your organization. Instead, it shall be helpful in any accreditation and certification you seek in future.

Thanking you in anticipation

Sincerely,

Prof. K. P. Baviskar
Internship Co-ordinator

Dr. V. G. Bhamare
Training and Placement Officer



Dr. D. D. Patil
Principal



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1.3.3

List of students



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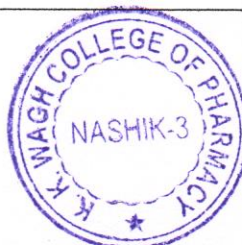
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Internship 2022-23

LIST OF STUDENTS COMPLETING INTERNSHIP

Sr. No.	Name of Student	Name and Address of Firm	Duration
1.	Chavan Shweta Bapurav	Glenmark Pharmaceuticals Ltd, Nashik	Aug 2023 – Sept 2023
2.	Gaikwad Sakshi Bapusaheb	Reliance Life Sciences Thane, Mumbai.	Aug 2023 – Sept 2023
3.	Bhalerao Lokesh Ajay	Emcure Pharmaceuticals Ltd, MIDC Bhosari, Pune.	Aug 2023 – Sept 2023
4.	Sonawane Aniket Dilip	Koral Pharma MIDC Satpur, Nashik.	Aug 2023 – Sept 2023
5.	Chavan Lokesh Bapu	Koral Pharma, MIDC Satpur, Nashik.	Aug 2023 – Sept 2023
6.	Amesar Mehul Vijay	Koral Pharma MIDC Satpur, Nashik.	Aug 2023 – Sept 2023
7.	Baviskar Nilesh Sanjay	Koral Pharma MIDC Satpur, Nashik.	Aug 2023 – Sept 2023
8.	Kajale Samarth Shailendra	Koral Pharma, MIDC Satpur Nashik	Aug 2023 – Sept 2023
9.	Naik Vaibhav Sanjay	Koral Pharma, Satpur, Nashik	Aug 2023 – Sept 2023
10.	Golhar Saurabh Eknath	Koral Pharma, Satpur, Nashik	Aug 2023 – Sept 2023
11.	Korde Kaveri Kiran	Reve Pharma, Sinner, Nashik	Aug 2023 – Sept 2023
12.	Gawali Shraddha Ashokrao	Reve Pharma, Sinnar, Nashik	Aug 2023 – Sept 2023
13.	Wagh Akash Ashok	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
14.	Chavan Akshay Sanjay	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
15.	Jadhav Darshan Ratan	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
16.	Patil Dhiraj Ankush	Vighnaharta Medical, Pimpalgaon Baswant, Nashik	Aug 2023 – Sept 2023
17.	Avhad Dhiraj Ajay	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
18.	Patil Digambar Suresh	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
19.	Deore Janhvi Ramrao	Advanced Enzyme Technologies Ltd., Sinnar, Nashik.	Aug 2023 – Sept 2023





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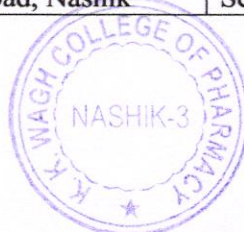
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LIST OF STUDENTS COMPLETING INTERNSHIP

Sr. No.	Name of Student	Name and Address of Firm	Duration
20.	Giri Jayendra Nitinkumar	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	July 2023 – Aug 2023
21.	Chavan Nikhil Dadaji	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
22.	Jadhav Prashant Dadaji	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
23.	Khurda Saloni Mangesh	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	July 2023 – Aug 2023
24.	Kamankar Shraddha Nivrutti	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	July 2023 – Aug 2023
25.	Khandare Tejas Shrikrushna	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	July 2023 – Aug 2023
26.	Gatkal Tejas Sanjay	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
27.	Wankhede Vaibhav Rajesh	Shriniwasa Ayurvedic Pvt. Ltd., Dindori, Nashik,	Aug 2023 – Sept 2023
28.	Chavan Krushna Uttam	Shree Ganesh Medical and Druggist Store, Amrutdham, Nashik	Aug 2023 – Sept 2023
29.	Binnar Mahesh Samadhan	General Hospital Malegaon, Nashik.	Aug 2023 – Sept 2023
30.	Jadhav Mitesh Avadhut	Shree Ganesh Medical And General Store, Amrutdham, Nashik	Aug 2023 – Sept 2023
31.	Waghmode Nilesh Arun	Yashwant Medical, At. Post Kati, Pune	Aug 2023 – Sept 2023
32.	Indaij Parth Sanjay	Shree Ganesh Medical and Druggist Store. Amrutdham, Nashik	Aug 2023 – Sept 2023
33.	Chaudhari Rohit Gangadhar	Radhika medical store, Chemist and Druggist, At post Vani, Nashik	Aug 2023 – Sept 2023
34.	Ambre Rushikesh Shivaji	Swapnil Medical, Chemists and Drugist Store, Ahamadnagar	Aug 2023 – Sept 2023
35.	Rayate Sakshi Pralhad	Ashirwad Chemists and Druggist, Satpur, Nashik	Aug 2023 – Sept 2023
36.	Deore Saloni Keval	Vijay Medical, Nampur, Satana, Diat. Nashik	July 2023 – Aug 2023
37.	Shelar Shruti Dnyaneshwar	Joganiya Medicals, Dwarka, Nashik	Aug 2023 – Sept 2023
38.	Yash Hemant Gurav	Mama's Medical, Chemists and Druggist Store, Jail Road, Nashik	Aug 2023 – Sept 2023





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Sr. No.	Name of Student	Name and Address of Firm	Duration
39.	Kothawade Yashashree Jitendra	Royal Chemist. Ashok Stambh Nashik	July 2023 – Aug 2023
40.	Bagul Komal Kantilal	Prassan Medical, Ashok Sthambh Nashik	Aug 2023 – Sept 2023
41.	Chaudhari Madhuri Uttam	Birsa Munda Medical store, mhasrul, Nashik	July 2023 – Aug 2023
42.	More Avinash Raju	New Dr Shinde Medical Store, Saraswati Nagar, Nashik	Aug 2023 – Sept 2023
43.	More Gayatri Sanjay	Ranjendra Medical Store, CIDCO, Nasik.	Aug 2023 – Sept 2023
44.	Pawar Sarika Ramsing	Navkar Medical Store, At Post Kajgaon, Jalgaon.	Aug 2023 – Sept 2023
45.	Salunkhe Priyanka Ganesh	Vighanharta Medical, Pachora, Jalgaon	Aug 2023 – Sept 2023
46.	Thube Harshali Bhausaheb	Prassanna Medical Store, Ashok Stambh, Nashik	Aug 2023 – Sept 2023

K. P. Baviskar
Internship Coordinator

Dr. V. G. Bhamre
T and P Officer

Dr. K. S. Salunkhe

PRINCIPAL

K.K. Wagh College of Pharmacy
Panchavati, Nashik-422 003.





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1.3.3

Certificates

September 08, 2023

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Shweta Bapurao Chavan** student of K.K. Wagh College of Pharmacy, Nashik, has successfully completed her Internship training as a part of her B.Pharmacy curriculum at Glenmark Pharmaceuticals Ltd, Nashik.

We wish her all the best in her future endeavour.

For Glenmark Pharmaceuticals Ltd.



Authorized Signatory.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Sakshi Gaikwad has undergone training for the period of one month from August 2023 to September 2023, under the guidance of Dr. Ajinath Shirsath, Principal Scientist, Formulation R&D Group and under the supervision of Mr. J.S Prasanna Kumar, Head, Formulation R&D Group.

Ms. Sakshi Gaikwad has successfully completed her training and has submitted a report on her research findings.

We wish her the very best in further studies.

For **RELIANCE LIFE SCIENCES PVT. LTD.,**



Dr. Arun Kapat
Director
Reliance Institute of Life Sciences

Glenmark Pharmaceuticals Ltd.

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Registered Office: B/2, Mahalaxmi Chambers, 22, Bhulabhai Desai Road, Mumbai 400 026
CIN: L24299MH1977PLC019982 Email Id: complianceofficer@glenmarkpharma.com



Regd. Office: Dhirubhai Ambani Life Sciences Centre, R-282, TTC Area of MIDC, Thane Belapur Road, Kandivli, Navi Mumbai - 400 701, INDIA. • Phone: +91-22-3533 8000 • Fax: +91-22-3533 8099. • Website: www.relife.com
CIN: U24239MH2001PTC130654

Emcure Pharmaceuticals Ltd
12, 2, Telco Bhosari Rd, Block F-2, MIDC, Bhosari,
Pune, Pimpri-Chinchwad, Maharashtra 411018

ATS-23

Date: 28-08-2023

CERTIFICATE

This is to certify that Mr. Lokesh Ajay Bhalerao student of K.K. Wagh College of Pharmacy Nashik has successfully completed his 15 Days industrial Internship training as a part of his B.Pharmacy curriculum from 10th Aug 2023 to 26th Aug 2023 at Emcure Pharmaceuticals Ltd Bhosari- 411018

He was found punctual during training. We wish his best of luck for future endeavors.

Emcure Pharmaceuticals Ltd
Bhosari- 411018



HR Manager
Mayur Desai



CERTIFICATE

8th September, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms. Aniket Dilip Sonawane has successfully completed one month Industrial training from 8th August 2023 to 8th September 2023 in our company.

We have observed that the candidate is having hard working nature and sincere during the period and wish him/her for better in studies as well as in career.

For Koral Pharma



(Mr. Aniruddha M. Rajpathak)

KORAL PHARMA
LOT NO 25/2/3
C-ROAD
MIDC, SATPUR
NASHIK - 422007

CERTIFICATE

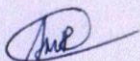
8th September, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms. **Lokesh Babu Chavan** has successfully completed one month Industrial training from 8th August 2023 to 8th September 2023 in our company.

We have observed that the candidate is having hard working nature and sincere during the period and wish him/her for better in studies as well as in career.

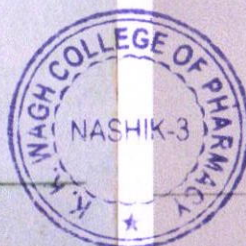
For Korla Pharma



(Mr. Aniruddha M. Rajpathak)

KORAL PHARMA
PLOT NO. 25
'C' ROAD
S. I. D. C. SATPUR
NASHIK - 422007

Factory: KORAL PHARMA | Plot No. 25/2/3, 'C' Road, MIDC, Satpur, Nashik-422007, Maharashtra, India
Tel:- +91 253 2351523 | Email: koralenq@gmail.com, website:- www.koralpharma.in
Office: Korla Pharma, "Sushrut", Tilak Road, Near Gaonkari Press, Nashik-422001
Tel:- +91 253 2506962



CERTIFICATE

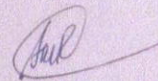
8th September, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms. **Mehul Vijay Amesar** has successfully completed one month Industrial training from 8th August 2023 to 8th September 2023 in our company.

We have observed that the candidate is having hard working nature and sincere during the period and wish him/her for better in studies as well as in career.

For Korla Pharma



(Mr. Aniruddha M. Rajpathak)

KORAL PHARMA
PLOT NO. 25/2/3
'C' ROAD
S. I. D. C. SATPUR
NASHIK - 422007

Factory: KORAL PHARMA | Plot No. 25/2/3, 'C' Road, MIDC, Satpur, Nashik-422007, Maharashtra, India
Tel:- +91 253 2351523 | Email: koralenq@gmail.com, website:- www.koralpharma.in
Office: Korla Pharma, "Sushrut", Tilak Road, Near Gaonkari Press, Nashik-422001
Tel:- +91 253 2506962

KORAL

CERTIFICATE

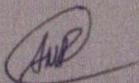
8th September, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms. Nilesh Sanjay Baviskar has successfully completed one month Industrial training from 8th August 2023 to 8th September 2023 in our company.

We have observed that the candidate is having hard working nature and sincere during the period and wish him/her for better in studies as well as in career.

For Koral Pharma



(Mr. Aniruddha M. Rajpathak)

KORAL PHARMA
PLOT NO. 25/2/3
'C' ROAD.
B. I. D. C., SATPUR
NASHIK - 422007

Factory: KORAL PHARMA | Plot No. 25/2/3, "C" Road, MIDC, Satpur, Nashik-422007, Maharashtra, India
Tel:- +91 253 2351523 | Email : koraleng@gmail.com, website:- www.koralpharma.in,
Office: Koral Pharma, "Sushrut", Tilak Road, Near Gaonkari Press, Nashik-422001
Tel:- +91 253 2506962,

CERIFICATE - INTERNSHIP

KORAL

CERTIFICATE

Regn. No: 2023-24/353

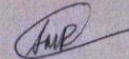
10th September 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms. Samarth Shailendra Kajale has successfully completed one month Industrial training from 10th August 2023 to 10th September 2023 in our company.

We have observed that the candidate is having hard working nature and sincere during the period and wish him/her for better in studies as well as in career.

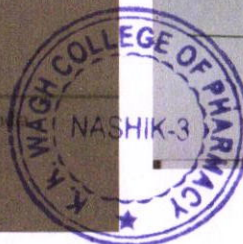
For Koral Pharma



(Mr. Aniruddha M. Rajpathak)

KORAL PHARMA
PLOT NO. 25/2/3
'C' ROAD.
B. I. D. C., SATPUR
NASHIK - 422007

Factory: KORAL PHARMA | Plot No. 25/2/3, "C" Road, MIDC, Satpur, Nashik-422007, Maharashtra, India
Tel:- +91 253 2351523 | Email : koraleng@gmail.com, website:- www.koralpharma.in,
Office: Koral Pharma, "Sushrut", Tilak Road, Near Gaonkari Press, Nashik-422001
Tel:- +91 253 2506962,



KORAL

CERTIFICATE

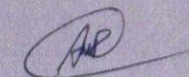
8th September, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms. Vaibhav Sanjay Naik has successfully completed one month Industrial training from 8th August 2023 to 8th September 2023 in our company.

We have observed that the candidate is having hard working nature and sincere during the period and wish him/her for better in studies as well as in career.

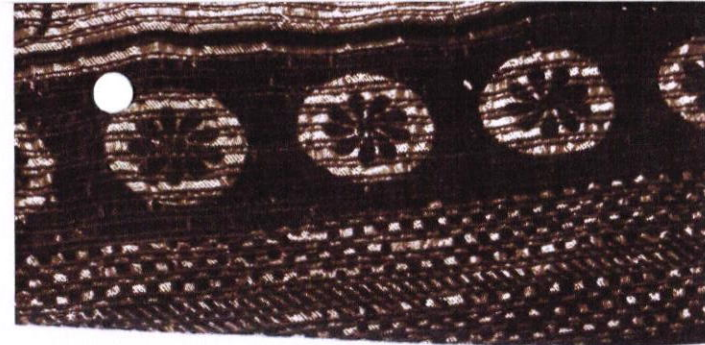
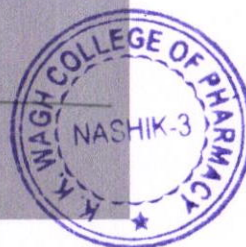
For Koral Pharma



(Mr. Aniruddha M. Rajpathak)

KORAL PHARMA
PLOT NO. 25/2/3
'C' ROAD
W. I. D. C., SATPUR
NASHIK - 422007

Factory: KORAL PHARMA | Plot No. 25/2/3, 'C' Road, MIDC, Satpur, Nashik-422007, Maharashtra, India
Tel:- +91 253 2351523 | Email : koralenq@gmail.com, website:- www.koralpharma.in,
Office: Koral Pharma, "Sushrut", Tilak Road, Near Gaonkari Press, Nashik-422001
Tel:- +91 253 2506962.



KORAL

CERTIFICATE

8th September, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr/Ms. Saurabh Eknath Golhar has successfully completed one month Industrial training from 8th August 2023 to 8th September 2023 in our company.

We have observed that the candidate is having hard working nature and sincere during the period and wish him/her for better in studies as well as in career.

For Koral Pharma



(Mr. Aniruddha M. Rajpathak)

KORAL PHARMA
PLOT NO. 25/2/3
'C' ROAD
W. I. D. C., SATPUR
NASHIK - 422007

Factory: KORAL PHARMA | Plot No. 25/2/3, 'C' Road, MIDC, Satpur, Nashik-422007, Maharashtra, India
Tel:- +91 253 2351523 | Email : koralenq@gmail.com, website:- www.koralpharma.in,
Office: Koral Pharma, "Sushrut", Tilak Road, Near Gaonkari Press, Nashik-422001
Tel:- +91 253 2506962.



CERTIFICATE
E -
INTERNSHIP



REVE PHARMA

Works : Plot No. 78, STICE, Musalgaon, Tal. Sinnar, Dist. Nashik - 422 112.
Telephone : 02551- 240138/39. Telefax : 02551-240127.
Email : revepharma@gmail.com, info@revepharma.com Website : www.revepharma.com

Date: 30.08.2023

TO WHOMSOEVER IT MAY CONCERN

This to certify that **Kaveri Kiran Korde** has completed the training from dated on 06.08.2023. to 30.08.2023.

She has undergone training of **Tablet, Capsule, Liquid, Oil, Cream & Ointment Manufacturing, Filling & Packing operations.**

We wish good luck for her future life.

For **REVE PHARMA**

Authorized Signatory

HR Executive



REVE PHARMA

Works : Plot No. 78, STICE, Musalgaon, Tal. Sinnar, Dist. Nashik - 422 112.
Telephone : 02551- 240138/39. Telefax : 02551-240127.
Email : revepharma@gmail.com, info@revepharma.com Website : www.revepharma.com

Date: 30.08.2023

TO WHOMSOEVER IT MAY CONCERN

This to certify that **Shraddha Ashokrao Gawali** has completed the training from dated on 06.08.2023. to 30.08.2023.

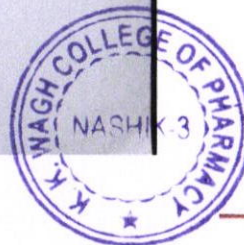
She has undergone training of **Tablet, Capsule, Liquid, Oil, Cream & Ointment Manufacturing, Filling & Packing operations.**

We wish good luck for her future life.

For **REVE PHARMA**

Authorized Signatory

HR Executive



Ref. No.:- SAPL/23-24

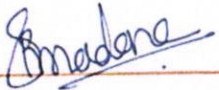

Date:-08/09/2023

CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **AKASH ASHOK WAGH**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
08 AUG 2023 - 08 SEPT. 2023

We found her sincere and hardworking during the training
period
We wish her all the best for her future.

For, Shriniwasa Ayurvedic Pvt. Ltd.

Authorized Signature

CERTIFICATE - INTERNSHIP

Ref. No.:- SAPL/23-24

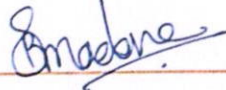

Date:-08/09/2023

CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **AKSHAY SANJAY CHAVAN**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
08 AUG 2023 - 08 SEPT. 2023

We found her sincere and hardworking during the training
period
We wish her all the best for her future.

For, Shriniwasa Ayurvedic Pvt. Ltd.

Authorized Signature



Ref. No:- SAPL/23-24

Date:-08/09/2023

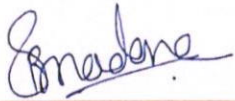
CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **DARSHAN RATAN JADHAV**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
08 AUG 2023 - 08 SEPT. 2023

We found her sincere and hardworking during the training
period

We wish her all the best for her future.

For, Shriniwasa Ayurvedic Pvt. Ltd.



Authorized Signature



CERTIFICATE - INTERNSHIP



VIGHNAHARTA MEDICAL

NipadPhataPimpalgaonBaswant(422209)

Date :14-08-2023

To,
MR. DHIRAJ ANKUSH PATIL
+918767448852


Subject: Internship Completion Certificate

Dear,Dhiraj

This letter serves to certify that Mr.Dhiraj Ankush Patil, a student
pursuing B-Pharmacy Third year atK.K.WaghCollege of pharmacy
has successfully completed internship training program at 150 hours
our organization starting from 17-Aug-2023 to 5-Sept-2023.

Thank You

For,Vighnaharta Medical PimpalgaonBaswant,


Authorised Signatory

Ref. No.: SAPL/23-24

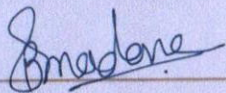
Date:-08/09/2023

CERTIFICATE OF INDUSTRIAL TRAINING

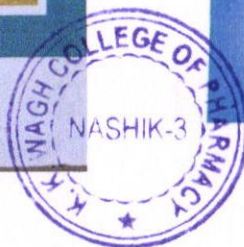
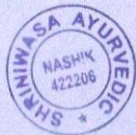
This is to certify that **DHIRAJ AJAY AVHAD**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
08 AUG 2023 - 08 SEPT. 2023

We found her sincere and hardworking during the training
period
We wish her all the best for her future.

For, Shriniwasa Ayurvedic Pvt. Ltd.



Authorized Signature



CERTIFICATE - INTERNSHIP

Ref. No.: SAPL/23-24

Date:-08/09/2023

CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **PATIL DIGAMBAR SURESH**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
08 AUG 2023 - 08 SEPT. 2023

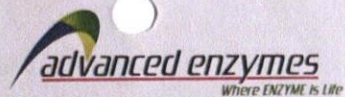
We found her sincere and hardworking during the training
period
We wish her all the best for her future.

For, Shriniwasa Ayurvedic Pvt. Ltd.



Authorized Signature





Manufacturing Site: Indore
Advanced Enzyme Technologies Ltd.
CIN: L24200MH1989PLC051018
Type 'B', Plot No. 5-13, Phase-1, Sector III, SEZ Indore,
Pithampur, District Dhar - 454 775, Madhya Pradesh, India.
Tel./ Fax: +91-7292-256 305
Email: info@advancedenzymes.com, Web: www.advancedenzymes.com

Manufacturing Site: Nashik
Advanced Enzyme Technologies Ltd.
CIN: L24200MH1989PLC051018
Plot No. A-61/62, MIDC, Malegaon, Tal. Sinnar,
District Nashik - 422 113, Maharashtra, India.
Tel.: +91-997 010 0750 / +91-2551-230 044, Fax: +91-2551-230 816
Email: info@advancedenzymes.com, Web: www.advancedenzymes.com

September 3, 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Janhvi Ramrao Deore** student of Third Year B.Pharmacy of K.K.Wagh College of Pharmacy, Panchavati, Nashik has undergone industrial training at our industry and studied about "**Production of Enzymes**" successfully from 06th August 2023 to 31st August 2023 for 26 days.

During her training period with us she was found sincere and hard working.

We wish her every success in her future life.

For Advanced Enzyme Technologies Ltd

Arvind Arora
Human Resources



WELCOME TO THE WORLD OF BETTER BUSINESS

Head Office: Sun Anjanika, A-wing, 5th Floor, LIC Service Road, Lounwadi, Thane (W) - 400 604, Maharashtra, India. Tel.: +91-22-4170 3200, Fax: +91-22-2583 4144

CERTIFICATE - INTERNSHIP



Ref. No.: SAPL/23-24

Date:-14/08/2023

**CERTIFICATE OF
INDUSTRIAL TRAINING**

This is to certify that **Jayendra Giri**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
14 JULY 2023 - 14 AUG. 2023

We found his sincere and hardworking during the training
period

We wish his all the best for his future.

For, Shrinivasa Ayurvedic Pvt. Ltd.

Authorized Signature



Ref. No.: SAPL/23-24

Date:-08/09/2023

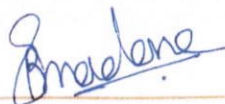
CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **CHAVAN NIKHIL DADAJI**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
08 AUG 2023 - 08 SEPT. 2023

We found her sincere and hardworking during the training
period

We wish her all the best for her future.

For, Shriniwasa Ayurvedic Pvt. Ltd.



Authorized Signature



Ref. No.: SAPL/23-24

Date:-08/09/2023

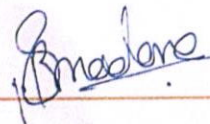
CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **PRASHANT DADAJI JADHAV**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
08 AUG 2023 - 08 SEPT. 2023

We found her sincere and hardworking during the training
period

We wish her all the best for her future.

For, Shriniwasa Ayurvedic Pvt. Ltd.



Authorized Signature





SHRINIWASA

Ayurvedic Private Limited

Ref. No.:- SAPL/23-24

Date:-23/08/2023

CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **Saloni Mangesh Khurdal**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
23 JULY 2023 - 23 AUG. 2023

We found her sincere and hardworking during the training
period

We wish her all the best for her future.

For, Shriniwasa Ayurvedic Pvt. Ltd.

Authorized Signature

CERTIFICATE - INTERNSHIP



SHRINIWASA

Ayurvedic Private Limited

Ref. No.:- SAPL/23-24

Date:-23/08/2023

CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **Shraddha Nivrutti Kamankar**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
23 JULY 2023 - 23 AUG. 2023

We found her sincere and hardworking during the training
period

We wish her all the best for her future.

For, Shriniwasa Ayurvedic Pvt. Ltd.

Authorized Signature





Ref. No.: SAPL/23-24

Date:-23/08/2023

CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **Tejas Shrikrushna Khanadare**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
23 JULY 2023 - 23 AUG. 2023

We found his sincere and hardworking during the training
period
We wish his all the best for his future.

For, Shriniwasa Ayurvedic Pvt. Ltd.

Authorized Signature



Ref. No.: SAPL/23-24

Date:-08/09/2023

CERTIFICATE OF INDUSTRIAL TRAINING

This is to certify that **GATKAL TEJAS SANJAY**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
08 AUG 2023 - 08 SEPT. 2023

We found her sincere and hardworking during the training
period
We wish her all the best for her future.

For, Shriniwasa Ayurvedic Pvt. Ltd.

Authorized Signature



Ref. No.:- SAPL/23-24

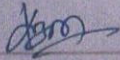
Date:-23/08/2023

CERTIFICATE OF INDUSTRIAL TRAINING

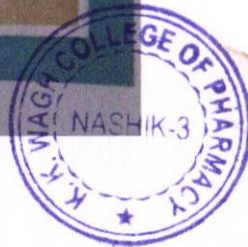
This is to certify that **Vaibhav Rajesh Wankhede**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
23 JULY 2023 - 23 AUG. 2023

We found his sincere and hardworking during the training
period
We wish his all the best for his future.

For, Shriniwasa Ayurvedic Pvt. Ltd.



Authorized Signature



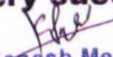
CERIFICATE - INTERNSHIP

Shree Ganesh
Medical, Chemist and Drugist Store

INTERNSHIP CERTIFICATE

This is to Certify that Mr.Krushna Uttam Chavan student of B.Pharmacy at K.K.Wagh College of Pharmacy, Nashik. has successfully completed 1 Month from 05/08/2023 to 06/09/2023 Internship Program at this Pharmacy Store. During the period of this internship program with us He was found punctual, hardworking, self-disciplined, humble and reliable.

We wish him to achieve every success in life.


Shree Ganesh Medical & General Store
Mauli Hospital, Amrutdham,
Nashik-422 003

Authorized
Signature

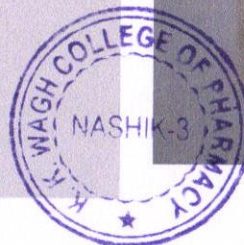
<p align="center">Government Of Maharashtra General Hospital Malegaon Dist.Nasik</p>	
Tele Phone :- 02554 233555 e mail :- rhmalegaon@gmail.com	Office of Medical Suprintended CI-1 Civil Hospital Malegaon Dist Nasik Kalli Kutti , Near Mohan Theatre, Malegaon.
Health Service	Date-01.09.2023 ७१.९.२०२३

CERTIFICATE

This is to certified that Master.Mahesh Samadhan Binnar T.Y.B.Pharmacy student of K.K.Wagh College of Pharmacy, Nashik completed the training in General Hospital, Malegaon during the period 21.08.2023 to 01.09.2023 with favourable response.



[Signature]
 Medical Suprintendent Class-1
 General Hospital, Malegaon (Nashik)



Shree Ganesh
 Medical, Chemist and Drugist Store

INTERNSHIP CERTIFICATE

This is to Certify that Mr.Mitesh Avadhut Jadhav student of B.Pharmacy at K.K.Wagh College of Pharmacy, Nashik. has successfully completed 1 Month from 05/08/2023 to 06/09/2023 Internship Program at this Pharmacy Store. During the period of this internship program with us He was found punctual, hardworking, self-disciplined, humble and reliable.

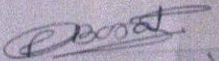
We wish him to achieve every success in life.

[Signature]
 Shree Ganesh Medical
 & General Store
 Mauli Hospital, Amrutdham
 Nashik-422 003
 Authorized
 Signature

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms :-**Nilesh Arun Waghmode** Has successfully completed an internship at **Yashwant Medical** in the department Of Hospital pharmacy from **06/08/2023** to **27/08/2023** During the intership Mr/Ms **Waghmode Nilesh Arun** Demonstrated a keen interest in learning,actively participated in various pharmaceutical activities and contributed effectively to the healthcare team. We appreciate His/Her dedication and commitment towards gaining practical experience in the field of hospital pharmacy.

Date:- 27/08/2023


यशवंत मेडिकल अँड जनरल स्टोअर्स
काटी, ता. इंदापूर जि. पुणे
Authorized Signatory



CERIFICATE - INTERNSHIP

Shree Ganesh

Medical, Chemist and Drugist Store

INTERNSHIP CERTIFICATE

This is to Certify that Mr.Parth Sanjay Indaij student of B.Pharmacy at K.K.Wagh College of Pharmacy, Nashik. has successfully completed 1 Month from 05/08/2023 to 06/09/2023 Internship Program at this Pharmacy Store. During the period of this internship program with us He was found punctual, hardworking, self-disciplined, humble and reliable.

We wish him to achieve every success in life.


Shree Ganesh Medical & General Store
Mauli Hospital, Amrutdham,
Nashik-422 003

Authorized
Signature

Radhika Medical
Store

INTERNSHIP CERTIFICATE

This is to Certify that Mr. Rohit Gangadhar Chaudhari a student of B.Pharmacy at K.K.Wagh College of Pharmacy, Nashik. has successfully completed 1 Month from 05/08/2023 to 06/09/2023 Internship Program at this Pharmacy Store. During the period of this internship program with us He was found punctual, hardworking, self- disciplined, humble and reliable.

We wish him to achieve every success in life.

राधिका मेडिकल स्टोअर्स
कसबेवणी, ता. दिंडोरी,
जि. नाशिक
AUTHORIZED
SIGNATURE



Swapnil Medical Store

INTERNSHIP CERTIFICATE

This is to Certify that Mr. Rushikesh Shivaji Ambre student of B.Pharmacy at K.K.Wagh College of Pharmacy, Nashik. has successfully completed 1 Month from 06/08/2023 to 06/09/2023 Internship Program at this Pharmacy Store. During the period of this internship program with us He was found punctual, hardworking, self- disciplined, humble and reliable.

We wish him to achieve every success in life.

AUTHORIZED
SIGNATURE

स्वप्निल मेडीकल & जनरल स्टोअर्स
मणोरे, ता. अकोले, जि. अहमदनगर

ASHIRWAD MEDICAL


Rajya Karmachari society,
MHB Colony, Satpur, Nashik 12

CERTIFICATE OF EXPERIENCE

This is to certify that miss. Sakshi Pralhad Rayate has been working with us in this chemist store as an intern from 10-08-2023 to 7-09-2023. She is very sincere, hardworking and keen to learn further.

She has good character. I absolutely have no hesitation in recommending her.

आशिर्वाद मेडिकल अँड जनरल स्टोअर्स
प्लॉट नं. २९, गेट नं. ५१४ ए, गाळा नं. ४,
सावरकरनगर, सातपुर, नाशिक-४२२ ०१२.
प्र. सतिश बाजीराव पवार, मो. ९२२५१४३४३०

Signature: 
Ashirwad Medical
Address - Rajya Karmachari
society, Satpur, Nashik-12

CERTIFICATE - INTERNSHIP

VMS

Vijay Medical & General Stores Vijay Medicoes & General Stores

* Distributors : Glaxo Smithkline India Ltd. (GSK)

Shri. Ganesh M. Chhajed
Mob. 9423933931

96

Shri. Sandeep P. Chhajed
Mob. 9960956439

Near Bus Stand, Nampur Tal : Satana Dist : Nashik Pin : 423204

Phone No. STD (02555) Home : 234001 Shop : 234002

CERTIFICATE

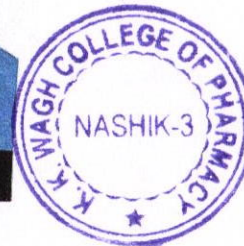
Date : / / 20

This is to certify that Miss - SALONI KEVAL DEORE - student of K.K. WAGH college - of pharmacy NASIK has satisfactorily completed her training of 150 hours in - VIJAY MEDICOES - NAMPUR, TAL - SATANA - DIST - NASIK, Department of Pharmacy - during date 22/07/2023 to 22/8/2023 - in academic session 2022/23

THANKS

sign & name
MRS - vandana. G. chhajed
NAMPUR (NASIK)


VIJAY MEDICOES
NAMPUR - 423204
TAL - SATANA DIST - NASHIK
MO - 9423933931





JOGANIYA MEDICAL

Surya Complex, Tapovan Link Road, Dwarka,
Nashik.

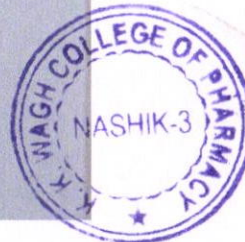
CERTIFICATE

This to certify that Miss. **Shruti Dnyaneshwar Shelar**, student of K.K.Wagh college of Pharmacy Nashik has satisfactory completed her training of 150 Hrs. in "**Joganiya Medicals**" Nashik Department of pharmacy during **10 /08/2023 to 10/09/2023** In academic session 2023-24

जोगनिया मेडिकल अँड जनरल स्टोअर्स
सुर्वा कॉम्प्लेक्स, तपोवन
लिंक रोड, नाशिक

Sign and name

Authorized person



CERIFICATE - INTERNSHIP

Mama's

Medical, Chemist and Drugist Store

INTERNSHIP CERTIFICATE

This is to Certify that Mr.Yash Hemant Gurav student of B.Pharmacy at K.K.Wagh College of Pharmacy, Nashik. has successfully completed 1 Month from 05/08/2023 to 06/09/2023 Internship Program at this Pharmacy Store. During the period of this internship program with us He was found punctual, hardworking, self-disciplined, humble and reliable.

We wish him to achieve every success in life.

मामास मेडिकल अँड जनरल स्टोअर्स
इंगळे नगर, जेलरोड, नाशिक रोड
नाशिक-422101, मो. 9881288851

Authorized
Signature



ROYAL CHEMIST

Ashok Stambh, Nashik ,422001

CERTIFICATE

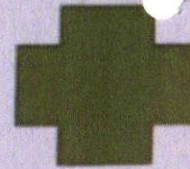
This is to certify that **Ms.Yashashree Jitendra Kothawade**, student of **K.K.Wagh College of Pharmacy**, Nashik has satisfactorily completed her training program of 150 Hrs. in **Royal Chemist, Nashik**. Dist: Nashik Department of pharmacy during period of **23.07.2023 to 22.08.2023**. In academic session 2022-2023

ROYAL CHEMIST, NASHIK

PROPRIETOR



CERIFICATE - INTERNSHIP



PRASSANA MEDICAL STORE

Experience certificate

This to certify that miss. Komal Kantilal Bagul has been worked as pharmacist since 10 August to 4 september,2023 in Prassana Medical Store and has experience of following

1. Dispensing of medications according to prescription
2. Patient Counterly
3. Drugs Administration
4. Drugs-Drug Interaction

During her entire stay in her organization if I found her hardworking, punctual, regular and devoted towards her practice periods.

Signature

Place Nashik

Date 04/09/23

Pras
5, Sp
A



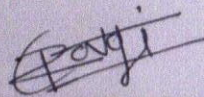
Health Implies sound mind in a Sound body

BIRSA MUNDA MEDICAL HUB NASHIK

Date- 25 / 08 / 20 23

CERTIFICATE

This to certify that **Miss. Madhuri Uttam Chaudhari**, Student of K.K.Wagh college of Pharmacy Nashik has satisfactory completed her training of 150 Hrs. in "**Birsa Munda Medical Store**" Omkar Nagar, Mhasrul Tal Nashik, Dist Nashik. Department of pharmacy during **23/07/2023 To 25/08/2023**. In academic session 2023-24.


BIRSA MUNDA MEDICAL HUB

NASHIK



Address : Plot No.112, Omkar Nagar, Kishor Surywanshi Marg, Nashik. 7276162374 Ph-02534011145

Email: saheb.zirwal@gmail.com

WWW.birsamundamedicalfoundation.org



CERIFICATE - INTERNSHIP



NEW DR SHINDE MEDICAL STORE
You need to be strong to live long

Date: 24/08/2023

Experience Certificate

This to certify that **Mr. Avinash Raju More** has been worked as a clinical pharmacist since **9 August to 24 August 2023** at **New Dr. Shinde Medical store**, Nashik, as experience of following:

1. Patient counterly
2. Drugs administration
- 3 Dispensing of prescription.
4. Drugs interaction.

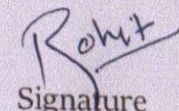
During his entire stay in our organization, I found his hardworking honest, punctual, regular and devoted towards her practice periods.

Date: 05 - 09 - 23

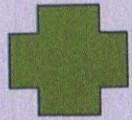
Place: Nashik

NEW DR SHINDE MEDICAL
SHOP No. 2, HARITH APT.
MERI RASBIHARI LINK ROAD,
SARASWATI NAGAR, NASHIK-3.

Stamp


Signature

SHOP NO 2 HARITH APARTMENT MERI RASBIHARI LINK RD
SARASWATI NAGAR NASHIK STATE: 27
Phone: 9578415236
D.L.NO.: 20/471738/21/471736



RAJENDRA MEDICAL STORE

Experience certificate

This to certify that miss. Gayatri Sanjay More has been worked as a clinical pharmacist since 10 to 30 August, 2023 in Rajendra Medical store, Nasik and has experience of following

1. Dispensing of medications according to prescription
2. Patient Counterly
3. Drugs Administration
4. Drugs-Drug Interaction

During her entire stay in her organization if I found her hardworking honest, punctual, regular and devoted towards her practice periods.

Signature S.V. May
Place Nashik
Date

Stamp

राजेंद्र मेडिकल
अॅण्ड जनरल स्टोअर्स
एन ५३, फाई-१, गीत १४/१४/०१,
नामरे शॉपिंग, अजय नगर, बिल्डिंग, नाशिक-१.
फोन नं. ९८८०९२१२०२



NAVKAR MEDICAL STORE

Experience certificate

This to certify that miss Sarika Ramsing Pawar has been worked as a clinical pharmacist since 9 to 26 August , 2023 in Navkar medical store , Kajgaon ,Dist: Jalgaon and has experience of following

1. Dispensing of prescription
2. Patient counterly
3. Drugs administration
4. Drugs interaction

During her entire stay in her organization I found her hardworking honest, punctual, regular and devoted towards her practice periods

Signature [Signature]

Place: Kajgaon

Date:

Stamp

नवकार मेडीकल अॅण्ड
जनरल स्टोअर्स,
स्टेशन रोड, कजगांव

VIGNAHARTA MEDICAL STORE

Experience certificate

This to certify that miss Priyanka Ganesh Salunkhe has been worked as a clinical pharmacist since 9 to 26 August , 2023 in Vignaharta medical store , Pachora ,Dist: Jalgaon and has experience of following

1. Dispensing of prescription
2. Patient counterly
3. Drugs administration
4. Drugs interaction

During her entire stay in her organization I found her hardworking honest, punctual, regular and devoted towards her practice periods

Signature

Stamp

Place: PACHORA

Date:

VIGNAHARTA PHARMA
CTS.No. 3158/2 C/o Vignaharta Multi Hosp.
First Floor Central Mall Complex, APMC
Market Yard, Bhadgaon Road, Pachora
Tal. Pachora Dist. Jalgaon - 424201



PRASSANA MEDICAL STORE

Experience certificate

This to certify that miss. Harshali Bhausaheb Thube has been worked as a clinical pharmacist since 10 August to 4 september, 2023 in Prassana Medical ,Nasik and has experience of following

1. Dispensing of medications according to prescription
2. Patient Counterly
3. Drugs Administration
4. Drugs-Drug Interaction

During her entire stay in her organization if I found her hardworking honest, punctual, regular and devoted towards her practice periods.

Signature

Stamp

Place Nashik

Date 04/9/23

Prasanna Medical & General Stores
5, Space Cosmos, Behind Krushna Sari,
Ashok Stambh, Nasik-422 002.
Mob.No. 9028204094



K. K. WAGH COLLEGE OF PHARMACY

(B. Pharmacy & D. Pharmacy)

Hirabai Haridas Vidyanagari, Amrutdham, Panchavati, Nashik - 422 003. (Maharashtra) India.

☎ : 0253 - 2221121, 2517003, 2510262 Web : www.pharmacy.kkwagh.edu.in

Email: principal-bpharmacy@kkwagh.edu.in, disp-bpharmacy@kkwagh.edu.in

(Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, MSBTE, Mumbai & Approved by PCI)

1.3.3

Sample Report

INTERNSHIP REPORT

On

SHRINIWASA AYURVEDIC PRIVATE LIMITED



Academic Year (2023 – 24) Submitted

TO:

K. K. Wagh College of Pharmacy, Nashik

Submitted By:

SHREEKUMAR UMESH DESHMUKH

Final Year B. Pharmacy (Sem VII)

PRN: 2054503823082

Roll NO : 78 (Class-II)

INTERNSHIP PERIOD: 23 JULY To 23 AUG





Ref. No.: SAPL/23-24

Date: 23/08/2023

CERTIFICATE OF INDUSTRIAL TRAINING

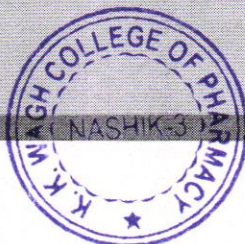
This is to certify that **Shreekumar Umesh Deshmukh**
a student of Final Year B-Pharmacy
K.K. WAGH College Of Pharmacy
College has completed
industrial training conducted in
23 JULY 2023 - 23 AUG. 2023

We found his sincere and hardworking during the training
period

We wish his all the best for his future.

For, Shriniwasa Ayurvedic Pvt. Ltd.

Authorized Signature



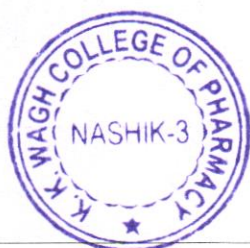
ACKNOWLEDGEMENT

First I would like to thank **Mr. Bhushan Madane**, Founder and C.E.O. of **Shrinivasa Ayurvedic Private Limited** for giving me the opportunity to do an internship within the organization. The internship opportunity I had with **Shrinivasa Ayurvedic Private Limited** was a great and memorable for me as it was rich in experience sharing and helped me discover my potential. It was also a chance for learning and professional development. Therefore, I consider myself as a very lucky individual as I was provided with an opportunity to be a part of it. The experiences and opportunities will definitely shape and influence my professional life with fostering personal growth and development. I am also grateful for having a chance to meet so many wonderful people and professionals who led me through this internship period.

I also would like all the people that worked along with me Shrinivasa Ayurvedic Private Limited with their patience and openness they created an enjoyable working environment. It is indeed with a great sense of pleasure and immense sense of gratitude that I acknowledge the help of these individuals. I perceive as this opportunity as a big milestone in my career development. I will strive to use gained skills and knowledge in the best possible way, and I will continue to work on their improvement, in order to attain desired career objectives.

I am highly indebted to Principal **Dr. K. S. Salunkhe**, for the facilities provided to accomplish this internship. I would like to thank **Prof. K.P. Baviskar** College internship coordinator Department of Pharmacy for their support and advices to get and complete internship in above Said Organization.

~SHREEKUMAR UMESH DESHMUKH



DECLARATION

I Shreekumar Umesh Deshmukh , hereby declare that work presented in the industrial training report entitled In industrial training performed at **SHRINIWASA AYURVEDIC PRIVATE LIMITED** is situated Jaulake, Dindori, Nashik, Maharashtra It is an authentic record of work carried out by me during **23 JULY To 23 AUG** at SHRINIWASA AYURVEDIC PRIVATE LIMITED under the guidance of K.K. Wagh College of pharmacy, Nashik. Is being submitted for partial fulfilment of the requirement for the award of bachelor degree in B. Pharm. This is not been submitted anywhere else for the award of any other degree/diploma.

Date: 10/09/2023

Place: Nashik

Submitted By: SHREEKUMAR UMESH DESHMUKH



INDEX

SR. NO.	NAME OF CONTENT	Page No.
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3.	Layout	7
4.	Benefit of product	9
5.	Department	9
6.	Equipment	10
7.	List of product Manufacture	15
8.	Formulation	15
9.	Conclusion	18



INTRODUCTION

Shriniwasa Ayurvedic Private Limited is situated at Jaulake, Dindori, Nashik. Shriniwasa Ayurvedic Private Limited are leading Manufacturer and Service Provider of a wide range of Neem Oil, Castor Oil, Mustard Oil, etc. Bhushan Madane, founder and C.E.O. of Shriniwasa Ayurvedic Pvt. Ltd. has great experience in manufacturing industry. Along with him Kunal Madane, Director of Shriniwasa Ayurvedic Pvt. Ltd. Has an experience in Digital Marketing. With such experience the company has successfully formulated and developed various formulations along with perfect marketing strategies. Optimal results are produced by these designed formulations.

One of the key factor which gives Shriniwasa Ayurvedic Pvt. Ltd. A uniqueness is their process of manufacturing. The company has a unique self-designed machinery requires minimal human intervention and maintains high levels of aseptic conditions. The company has developed a process for manufacturing that does not change the natural properties as a result of which the efficacy of the product is not compromised. Manufacturing facilities confirm to the high standards of cGMP set by the World Health Organization. Laboratories for constant R&D to improve on existing products and develop new ones also support the manufacturing facility. Shriniwasa Ayurvedic Pvt. Ltd. is a company in India engaged in manufacturing and marketing Ayurvedic Medicines like Tablets, Syrups, Capsules, Powders, Granules, and Oils, etc. also a wide range of Haircare, Skin-care, Foot-care, and Oral-care products.



VISION

To be a global leader in Ayurvedic healthcare, delivering holistic well-being through time-tested herbal remedies and innovative research. To acclaim our goal of building a healthy and self-reliant India.

MISSION

To preserve and promote the ancient wisdom of Ayurveda, ensuring its accessibility to all while respecting its traditional roots. To uphold the highest standards of quality, safety and efficacy in our Ayurvedic products through rigorous testing and quality control.

LAYOUT

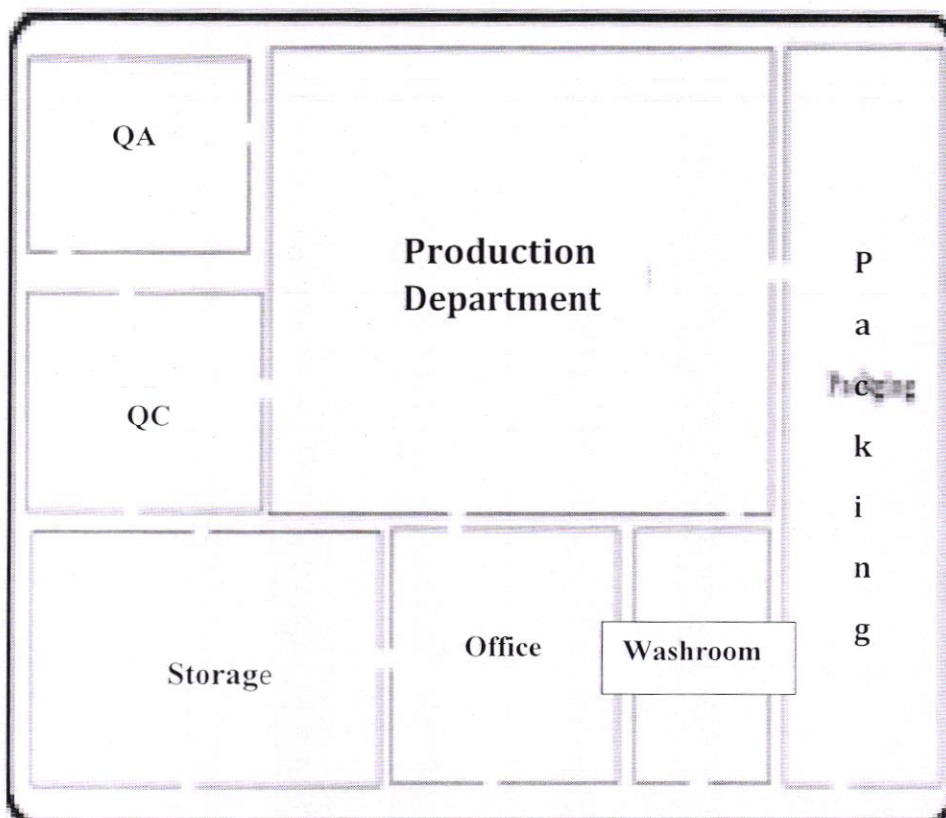


Fig 3.1 Layout of Industry



□ **Production Department**

To carry out production activities as per production plan. Maintain documents related to production activities.

• **Quality Control & Quality Assurance Department**

Q.A. is sum total of the organized arrangements with objective of ensuring that product will be of quality required for intended use. Q.C. is concerned with sampling, specification and testing, documentation and release procedures which ensures that necessary test are performed and product is released for use only after ascertaining its quality.

• **Packaging Department**

It involves labelling and other steps for the packaging of the product

• **Warehouse**

Protect product from damage during storage and transport. Prevent degradation of the product by exposure to adverse temperature conditions. Avoid mix-ups and contamination by other materials. Maintain product identity and traceability.



BENEFIT OF PRODUCT

Benefits-

1. By using Ancient wisdom, pure herbs and modern integrated technology our products ensure your physical and mental health without side effects.
2. The natural ingredients of herbs help bring "arogya" to human body and mind. ("Arogya" means free from diseases). The chemicals used in preparing allopathic medicine.

DEPARTMENT

The Key Department in Pharmaceutical Industry.

- Warehouse (stores)
- Packaging Department
- Quality Assurance (QA)
- Quality Control (QC)
- Labelling
- Production Department

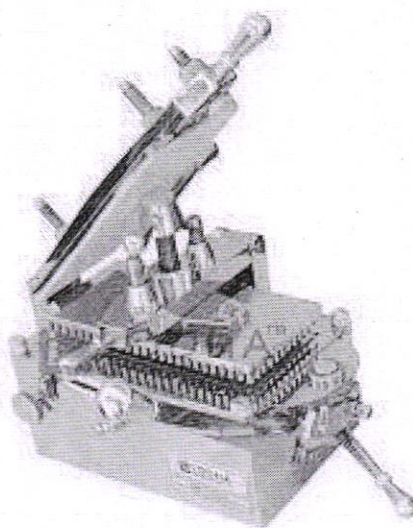
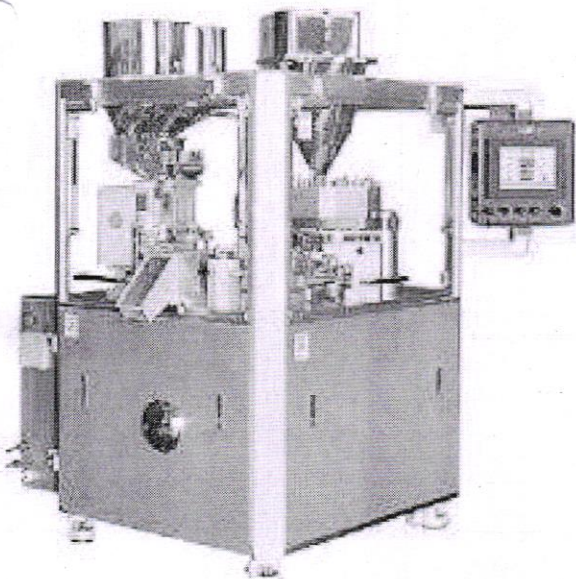


EQUIPMENT

□ Capsule filling machine :-

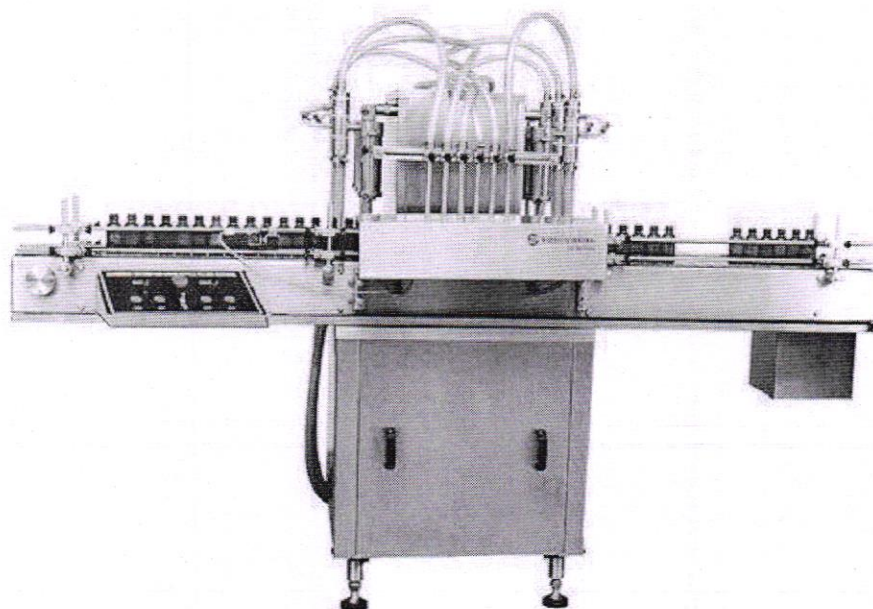
Capsule filling machines are used to fill empty capsules with substances, such as medicines or nutrients and are available in both personal and professional formats. Personal capsule filling machines are often manual or semi-automatic and used for families or for one's own use at an office and allow individuals to easily fill their capsules with the necessary medication.

They are also often used by compounders to customize medication based on a patient's specific need. Professional machines are designed for production or scientific use and can efficiently and safely produce thousands of capsules in a single hour. Capsule filling machines must accurately fill capsules repeatedly, often with extremely low dosage weights.



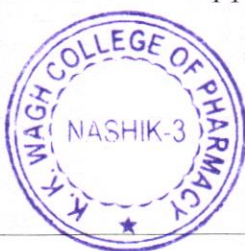
□ Liquid filling machine :-

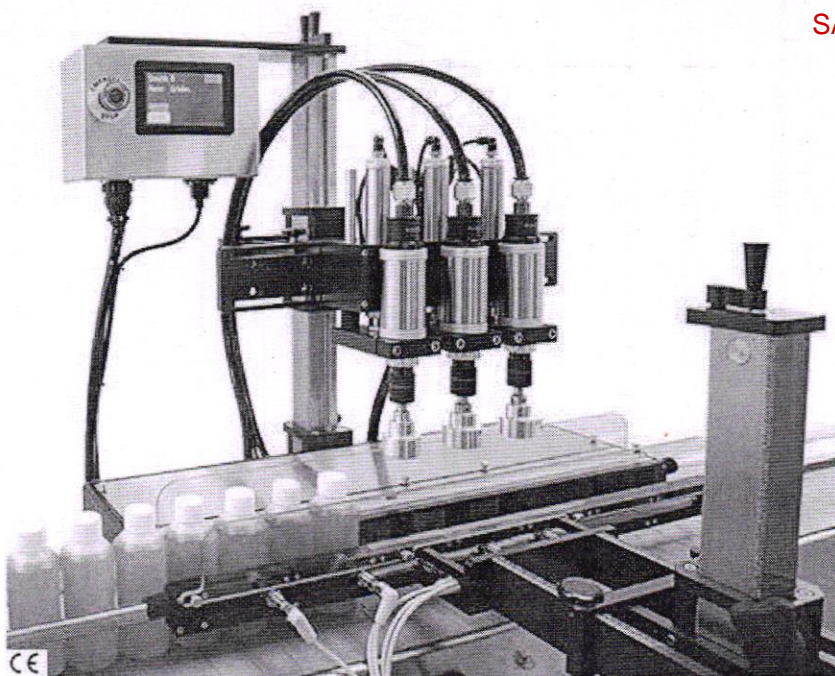
Pharmaceutical liquid-filling machines expedite the manufacturing of liquid drug suspensions. Used by small and large drug manufacturing firms, liquid filling machines are designed in a variety of formats, from bench top sizes to larger scale models. Liquid filling equipment accommodates a range of liquid viscosities. Purchasing considerations for liquid filling equipment include the type of liquid to be packaged, handling considerations, required throughput, and the operation's manufacturing and maintenance budget.



□ Automatic Capping Machine :-

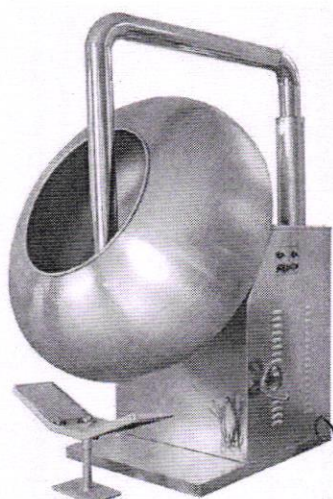
Capping of sealed pharmaceutical products is one of the final steps of ensuring product quality in the pharmaceutical manufacturing process. Pharmaceutical automatic capping machines are designed to perform their functions under consistent pressure for consistent results. Automatically capped containers retain product quality by preventing product loss. Automatic capping machines also ensure consumer safety standards by capping containers that must be sealed for child or pet safety. Usually designed for bottles or vials, a pharmaceutical capping machine can be used to plug and/or seal vials after filling. Depending on the required throughput, both semi-automatic and automatic capping machines are available.





□ Tablet Coater :-

Tablet coating is an important process step in tablet production. The pharmaceutical industry needs solutions that meet coloring and taste-masking requirements, as well as high demands from applications such as enteric coatings, controlled release coatings or the addition of an active ingredient.



□ Tray Dryer :-

A tray dryer in the pharmaceutical industry is used to dry powders, granules, and other types of materials. It consists of a heated chamber with trays to place materials. The trays are usually stacked one on top of each other, and the drying process is usually done under controlled temperature and humidity conditions.

It is used on large scale in pharmaceutical, chemical, and cosmetic industries to achieve efficient material drying at low cost. Although it is an old method to dry, but it is still used in small and medium scales industries. Before installing, it must know about the tray drier principle, construction, and working.

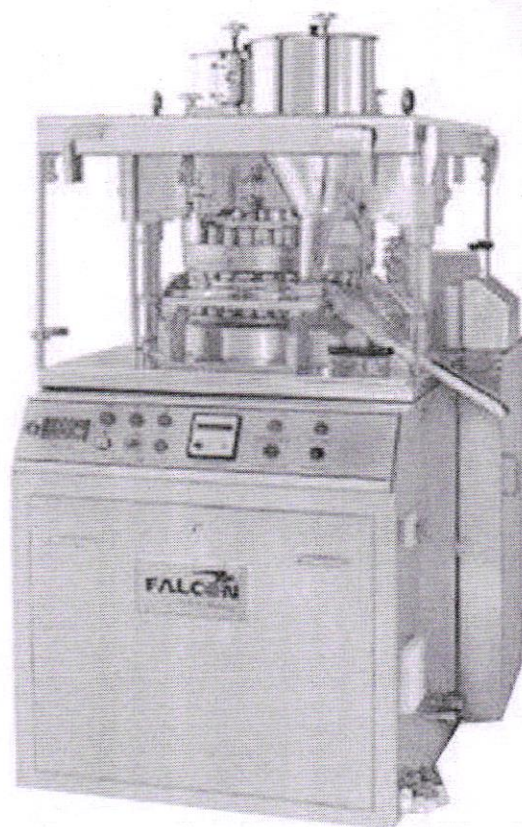


□ Tablet Punching Machine:-

A tablet press is a mechanical device that compresses powder into tablets of uniform size and weight. A tablet press can be used to manufacture tablets of a wide variety of materials, including pharmaceuticals, nutraceuticals,



cleaning products, industrial pellets and cosmetics. To form a tablet, the granulated powder material must be metered into a cavity formed by two punches and a die, and then the punches must be pressed together with great force to fuse the material together.



☐ **List of product manufacturer**

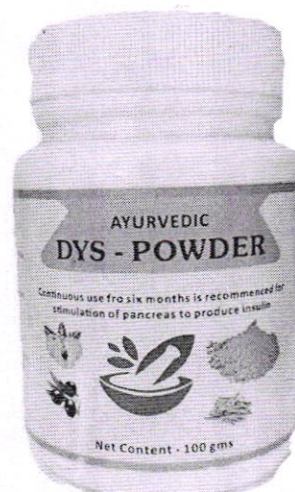
Oil	Others
<ul style="list-style-type: none"> • Bhringraj Hair Oil • Jaswand Hair Oil • Mauli Aloe Vera Hair Oil • 50ml Castor Oil • 100ml cold Pressed Castor Oil • Karanjia oil • Tejartho Pain Liniment Oil • Mahanarayan Oil • Sesame oil • Mustard Oil • Mauli Ayurvedic Hibiscus Oil 	<ul style="list-style-type: none"> <input type="checkbox"/> Mauli Pain Balm <input type="checkbox"/> Maharasnadi Kadha

Ayurvedic Syrups	Capsules and Tablets
<ul style="list-style-type: none"> • Neprit Ayurvedic Liver Syrup • Mauli Ayurvedic Adulsa Syrup • Livosis Ayurvedic Liver Syrup 	<ul style="list-style-type: none"> • Arshazone Ayurvedic Piles capsule • Acinisa Ayurvedic Liver Tablet

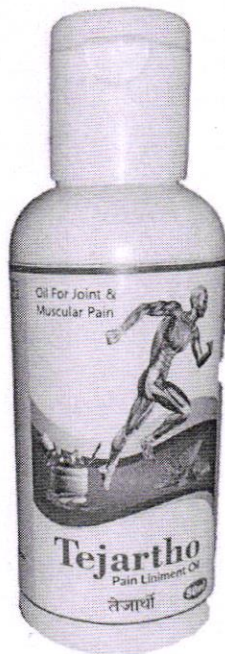
☐ **Formulations :**



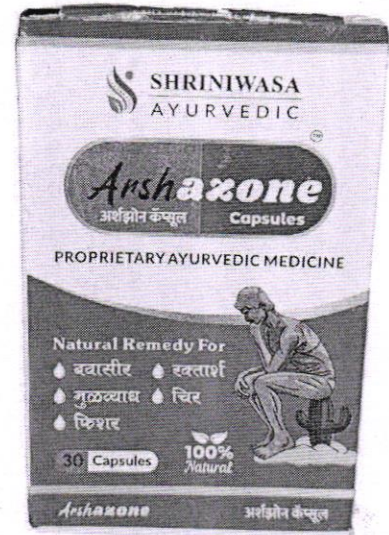
Acinisa Capsule



DYS-POWDER



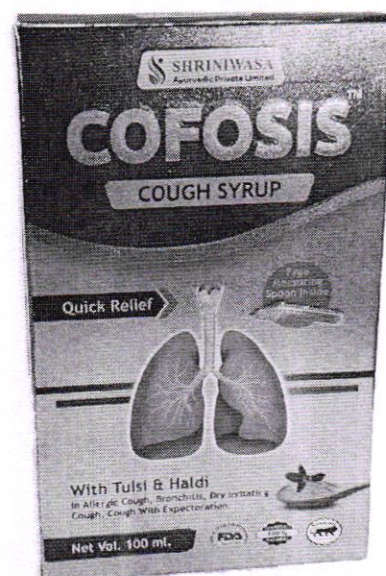
Tejartho Pain Relief Oil



Arshazone Capsule

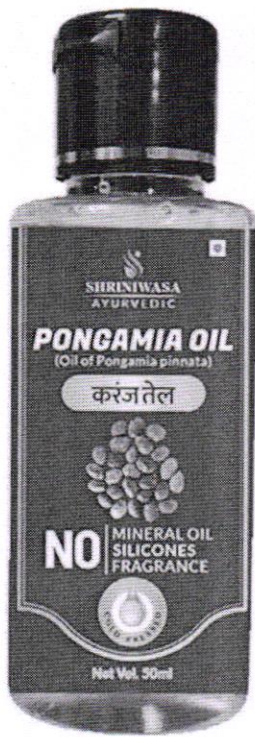


Adulsa Cough Syrup

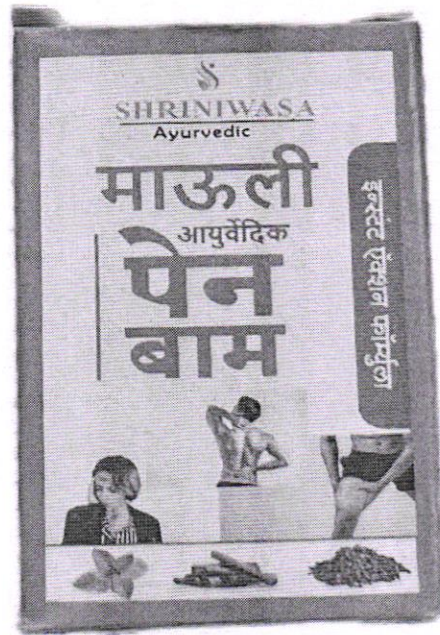


Cofosis Cough Syrup

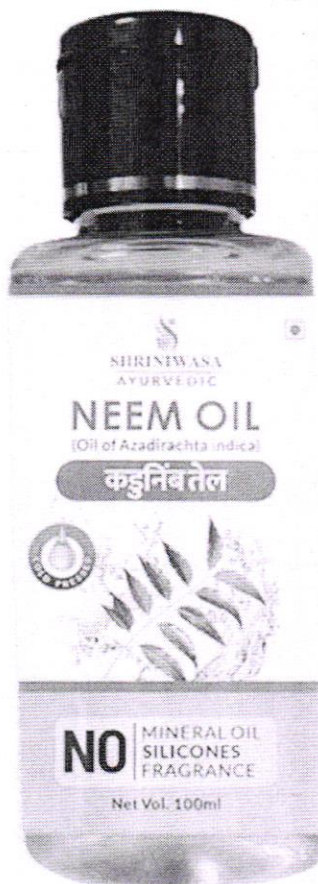




Pongamia Oil



Mauli Pain Balm



Neem Oil



Mustard Oil

Conclusion

It was great opportunity for me to work with **Shrinivasa Ayurvedic Private Limited** is situated at Jaulake, Dindori, Nashik. Along with the theoretical knowledge practical knowledge also plays a crucial role. The theoretical knowledge is worth for getting a degree but practical knowledge can definitely improve your skills. In this training program I came to know about the latest equipment and machinery which can be used in the manufacturing process. During my training period I handled various apparatus and instruments which I had read about. I also came to know about the highly sophisticated instrument that work precisely must be operated with the intense care for optimum use.

During my industrial training program, I learned about the functioning of various departments of the pharmaceutical industry. During the training session I tried to my level best to gain practical knowledge. I also got the opportunity to understand the overall functioning of the Pharmaceutical Industry and also understood the importance of maintaining of quality of products at pharmaceutical company.

I have successfully completed my Industrial training. I hope that my training report fulfil the intended requirements. It was definitely a great opportunity of working at **Shrinivasa Ayurvedic Private Limited**.

Regards ~

SHREEKUMAR UMESH

DESHMUKH

Final Year B.Pharm (Sem-VII)

Roll No : 78 (Class-II)

PRN No : 2054503823082





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1.3.3

C – INDUSTRIAL VISIT



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1.3 Curriculum Enrichment

LIST OF INDUSTRIAL VISIT COMPLETED

1.3.3 Number of students undertaking project work/field work/ internships

Industrial Visit

Sr. No.	Date	Location	Number of Students
1.	25/07/2023	Sahyadri Farms, Mohadi, Nashik	92
2.	03/03/2023 and 04/03/2023	Apollo Hospital, Panchavati, Nashik	100
3.	15/12/2022	Maxheal Pharmaceuticals (India) Pvt. Ltd. Satpur, Nashik	106
4.	22/05/2022	Blue Cross Laboratories Pvt Ltd Ambad, Nashik	92
5.	09/04/2022	Cata Pharma, STICE, Musalgaon, Sinnar	78



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1.3.3

Sample Report



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Sahyadri Farms Field Visit Report

- **Visit Day and Date:** Tuesday, 25/07/2023
- **Visit Time:** 11.00 am to 2.00 pm
- **Venue:** Sahyadri Farms, Gat No. 314/2/1, A/P Mohadi, Tal. Dindori, Nashik - 422207, Maharashtra, India
- **Objective of the field visit:**
 1. To observe and learn the working and management of the food processing company.
 2. To understand what is farmers producer company and how it operates.
 3. To learn the role of supply chain (block chain, traceability, etc.) and its stakeholders in delivering safe food which has low pesticide residue and microbial contamination.

- **The outcome of the Field visit:**

Students learnt about Farmers producers' company and how they manage traceability from farm to fork. They learnt how food processing is carried out at large scale. They also learnt how to manage biodegradable waste to prepare various beneficial systems. The green environment rich in fauna of the Sahyadri farms motivated the students in environmental protection.

- **Number of participants:** 92 students of F.Y B. Pharmacy with 6 faculty members

Faculty members:

1. Mrs. Sayali Kulkarni
2. Dr. Ajaykumar Surana
3. Ms. Snehal Jadhav
4. Ms. Madhuri Shinde
5. Mrs. Komal Mahajan
6. Mr. Jay Katkade

- **Guide Person Details:**

Ms. Ragini Chavanke

- **Outline of Program:**

Total 92 students of F. Y. B. Pharmacy with six faculty members participated in field visit. The visit started at 11.00 am and ended at 2.00 pm. We were welcomed by the team members of Sahyadri Farms. Students were divided into two groups of 50 Members. First they were acquainted with the





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rules and regulations of visit e.g. wearing hairnet caps, removing loose wearables like watches, ear rings, rings, etc.

The tour guide Ms. Ragini explained us about various sections of the company which are as follows:

Grapes packing section: Where fresh packing of grapes is carried out after which they are moved to cold store for precooling and dispatch.

The whole hallway was filled with cutouts with information regarding, various grape varieties, block chain technologies and its use in delivering safe food, numerous certifications.

In next section, tour guide showed us a video documentary of the company and explained its key milestones throughout history.

Semi processing/Processing area: Here we saw IQF fruit and vegetable production lines where diced or cut vegetables are minimally processed and are frozen in blast freezers. It also has pulping lines where pulps of various fruits and vegetables are sterilized and packed.

Freeze drying division: The company has freeze dryer facility where frozen corn was dried to produce dehydrated corn kernels.

Display section: Here we were made acquainted to the various products of the Sahyadri farms like frozen cut vegetables and fruits.

FMCG section: Here HUL kisan's products are made.

Juice Farm: Sahyadri Farms own venture in providing consumers fresh fruit juices without any added colors/flavors/preservatives with natural fruit pulps in them. We were greeted with complimentary guava juice.





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• Event Photo



Mrs. S.N. Kulkarni
(Visit Coordinator)

Dr. V. G. Bhamare
(TPO)

Dr. D. D. Patil
(Principal)





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Industrial Visit Report

Visit Date: 15/12/2022

Visit Time: 01:00 PM to 04:30 PM

Venue: Maxheal Pharmaceutical (India) Pvt. Ltd. Satpur MIDC, Nashik.

The objective of the Industrial visit:

- To understand and analyze the proceedings in pharmaceutical industry.
- To disseminate the knowledge gain in classroom teaching learning.
- To bridge the industry institute interaction

The outcome of the Industrial visit:

All the students were made familiar with working of industry facilitating oral solid and liquid dosage form manufacturing. Students were motivated to consider dosage form manufacturing Industry as one of the good platform to make career.

Number of participant: 106 students of T.Y. B. Pharmacy

Faculty staff (Coordinator): 1) Dr. D. D. Patil

2) Dr. V. G. Bhamare

3) Dr. A. R. Surana

4) S. R. Raut

5) P. N. Shingote

Industrial Guide Person Details: Shri. Hitesh Dhadiwal (Manager, Admin) and his coworkers)



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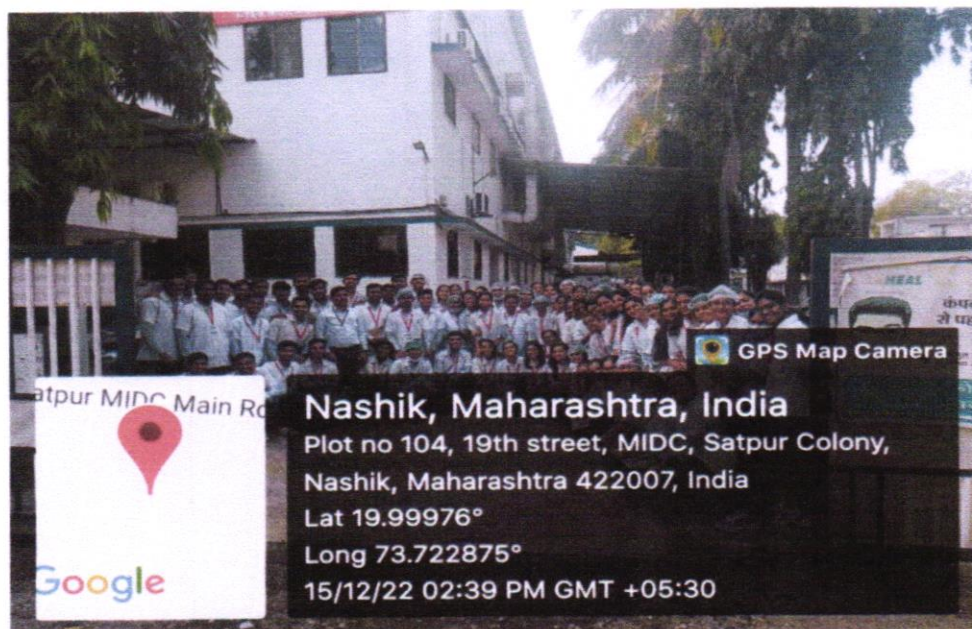
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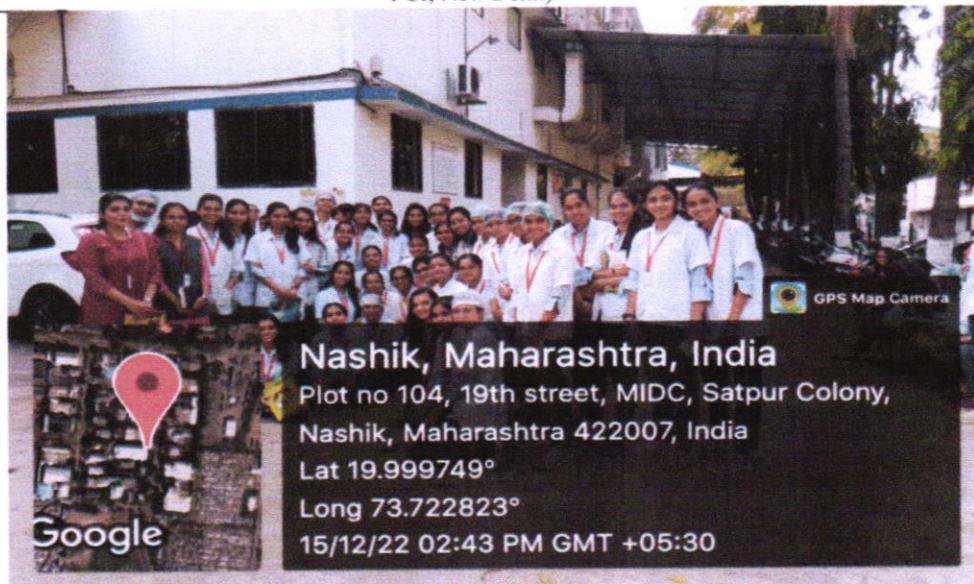


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Feunt

(Visit Coordinator)

Dr. V. G. Bhamare

Dr. V. G. Bhamare
(TPO)

Dr. D. D. Patil

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**SAMPLE REPORT OF INDUSTRIAL
VISIT**

Industrial Visit Report

Visit Date: 22/05/2022

Visit Time: 01:30 PM to 05:30 PM

Venue: Bluecross Laboratories Pvt. Ltd, Ambad, Nashik.

The objective of the Industrial visit:

- To enhance the practical and industrial skills in the field of dosage form manufacturing Industry.
- To experience the working environment in industry and visualize the all the important departments in the Industry.

The outcome of the Industrial visit:

All the students were made familiar with working of industry facilitating oral solid and liquid dosage form manufacturing. Students were motivated to consider dosage form manufacturing Industry as one of the good platform to make career.

Number of participant: 92 students of F.Y. B. Pharmacy

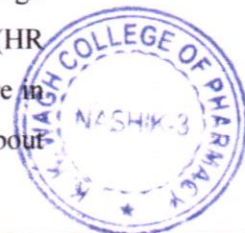
Faculty staff (Coordinator): S. P. Wagh and cP. N. Shingote

Industrial Guide Person Details: 1) Milind Jagtap (HR Manager)

2) Bhimraj Rohokale (Production Manager)

Outline of Program:

An industrial visit was planned and designed in the sense to gain practical knowledge to students at Bluecross Laboratories Ltd. Ambad, Nashik on Sunday, 22/05/2022. Total strength of the students was 92 with two faculty members S. P. Wagh and P. N. Shingote. Students were divided in three batches for visit. Milind Jagtap (HR Manager) has introduced company profile, outline of plant and entry and exit procedure in manufacturing area. Bhimraj Rohokale (Production Manager) has introduced about



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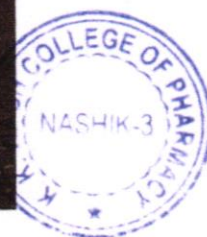
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**SAMPLE REPORT OF INDUSTRIAL
VISIT**

production department layout, compression, granulation, coating and oral liquid equipments, GMP and product processes.

Faculty & students were encouraged to look after actual in plant processing. The HR Manager Milind Jagtap has interacted with students and motivated to students and gave an idea about the challenges and scope in oral dosage form manufacturing pharmaceutical industry as a one of the best carrier to pharmacy student.

Event Photo



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**SAMPLE REPORT OF
INDUSTRIAL VISIT**



S. P. Wagh

S. P. Wagh
(Visit Coordinator)

Dr. Vaibhav Bhamare

Dr. Vaibhav Bhamare
(TPO Coordinator)

Dr. R. D. Amrutkar

Dr. R. D. Amrutkar
(I/C Principal)



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Industrial Visit Report

Visit Date: 09/04/2022

Visit Time: 10:00 AM to 02:30 PM & 11:30 PM to 04:00 PM

Venue: Cata Pharma, STICE, Musalgaon MIDC, Sinner, District-Nashik.

The objective of the Industrial visit:

- To enhance the practical and industrial skills in the field of drug manufacturing (API).
- To experience the working environment in industry and visualize all the important departments in the Industry.
- To update with an overview on processes like catalytic hydrogenation and other upstream / downstream unit processes.

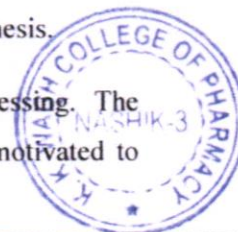
Number of participant: 78 students with four faculty members.

Guide Person Details: 1) Dr. Santosh Shinde (Production Manager), Maheshchandra Mahale (Chemist), Shubham Gayakwad (Operator)

Outline of Program:

An industrial visit was planned and designed in the sense to gain practical knowledge to students at Cata Pharma, STICE Musalgaon MIDC, Sinner, District-Nashik on 09/04/2022. Total strength of the students were 78 with four faculty members S. P. Wagh, V. S. Lokhande, D V. Jain and S. D. Pingale. Students were divided in two sessions as in 37 students in morning session and 41 in afternoon session. Dr. Santosh Shinde (Production Manager) has introduced outline of plant, Maheshchandra Mahale (Chemist) has introduced about QC Laboratory and various analytical instruments. Shubham Gayakwad (Operator), Nilesh Gorde (Operator) and Akash Chavanke (Operator) has introduced about various equipments, processes and operations carried out during chemical synthesis.

Faculty & students were encouraged to look after actual in plant processing. The Production Manager Dr. Santosh Shinde has interaction with students and motivated to



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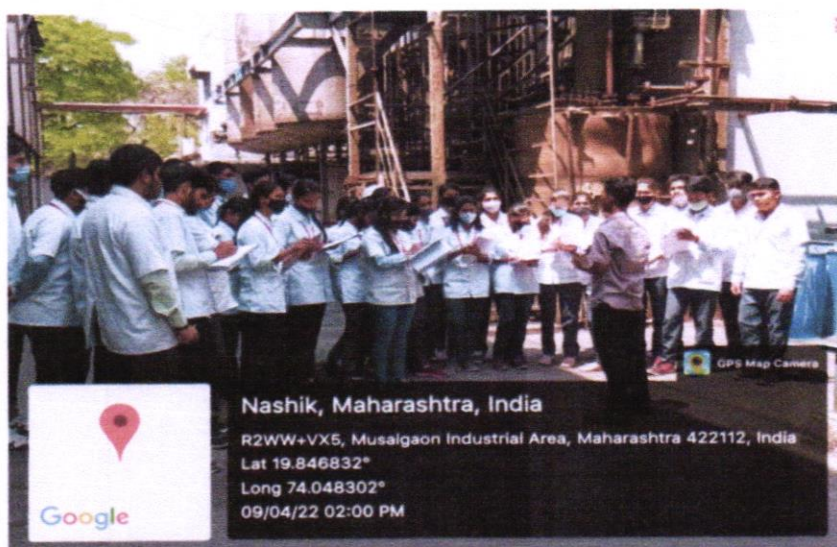
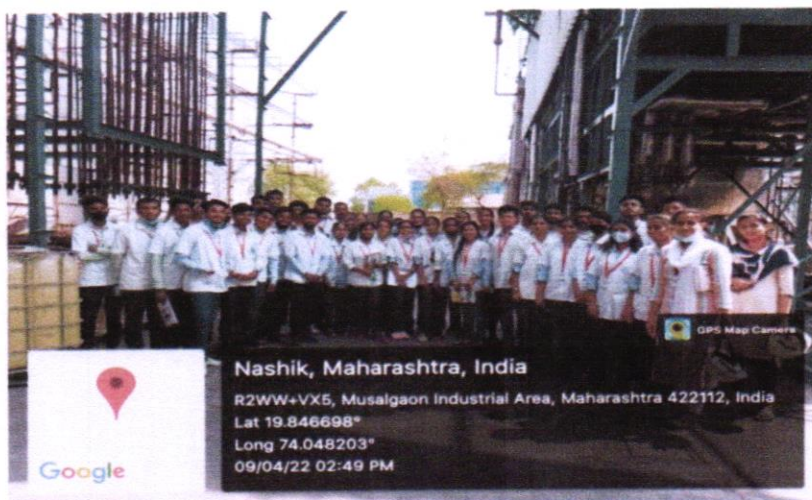
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**SAMPLE REPORT OF INDUSTRIAL
VISIT**

students and gave an idea about the challenges and scope in API manufacturing pharmaceutical industry.

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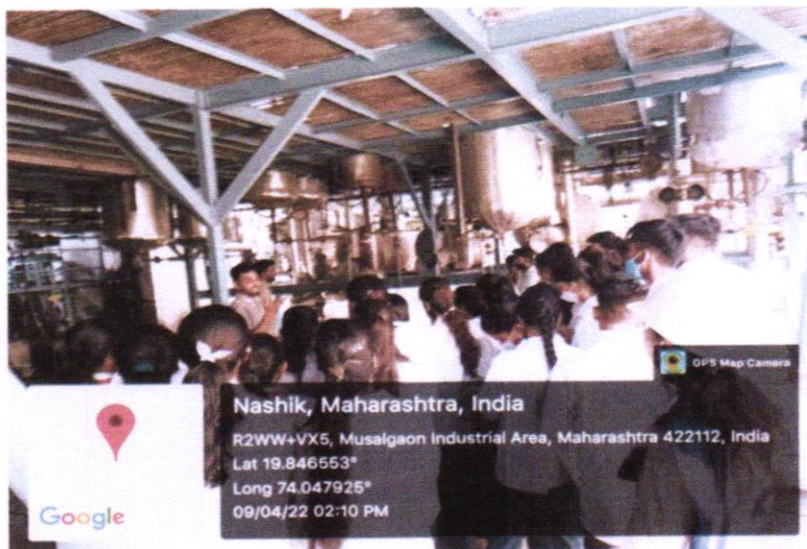


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