



**Criterion 1 – Curricular Aspects Key indicator -1.3 Curriculum enrichment** 

1.3.2.QnM: Number of courses that include experiential learning through project work/field work/ internship during the year

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S.P.P.U University course structure highlighting the experimental learning through project work /field work/internship

#### **SAVITRIBAI PHULE PUNE UNIVERSITY**

#### FACULTY OF SCIENCE AND TECHNOLOGY



#### RULES & SYLLABUS

FIRST YEAR MASTER OF PHARMACY (M. Pharm.) COURSE (EFFECTIVE FROM ACADEMIC YEAR 2019-2020)

Table - 12: Course of study for M. Pharm. III Semester (Common for All Specializations)

Course Code	Course	Credit Hours	Credit Points
MRM 301T	Research Methodology and Biostatistics*	4	4
-	Journal club	1	1
-	Discussion / Presentation (Proposal Presentation)	2	2
-	Research Work	28	14
	Total	35	21

<sup>\*</sup> Non University Exam

Table - 13: Course of study for M. Pharm. IV Semester (Common for All Specializations)

Course Code	Course	Credit Hours	Credit Points
-	Journal Club	1	1
-	Research Work	31	16
-	Discussion/Final Presentation	3	3
	Total	35	20

Table - 14: Semester wise credits distribution

Semester	Credit Points
I	26
II	26
III	21
IV	20
Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	Minimum=02 Maximum=07*
Total Credit Points	Minimum=95 Maximum=100*

<sup>\*</sup>Credit Points for Co-curricular Activities

#### **SAVITRIBAI PHULE PUNE UNIVERSITY**

#### FACULTY OF SCIENCE AND TECHNOLOGY



#### **RULES & SYLLABUS**

FIRST YEAR BACHELOR OF PHARMACY (B. Pharm.) COURSE – 2019 pattern (EFFECTIVE FROM ACADEMIC YEAR 2019-2020)

Table-VI: Course of study for semester VI

Course code	Name of the course	No. of Hours per	Tutorial	Credit points
		week/Total no of hours		
BP601T	Medicinal Chemistry III – Theory	3/45	1	4
BP602T	Pharmacology III – Theory	3/45	1	4
BP603T	Herbal Drug Technology – Theory	3/45	1	4
BP604T	Biopharmaceutics and Pharmacokinetics  - Theory	3/45	1	4
BP605T	Pharmaceutical Biotechnology – Theory	3/45	1	4
BP606T	Quality Assurance –Theory	3/45	1	4
BP607P	BP607P Medicinal chemistry III – Practical		-	2
BP608P	BP608P Pharmacology III – Practical		-	2
BP609P	Herbal Drug Technology – Practical	4/60	-	2
	Total	30/450	6	30

Table-VII: Course of study for semester VII

Course code	Name of the course	No. of Hours per week/Tota I no of hours	Tutori al	Credit points
BP701T	Instrumental Methods of Analysis – Theory	3/45	1	4
BP702T	Industrial Pharmacy – Theory	3/45	1	4
BP703T	Pharmacy Practice – Theory	3/45	1	4
BP704T	Novel Drug Delivery System – Theory	3/45	1	4
BP705P	Instrumental Methods of Analysis – Practical	4/60	-	2
BP706PS	Practice School*	12/180	-	6
Total		28/420	5	24

<sup>\*</sup> Non University Examination (NUE)

**Table-VIII: Course of study for semester VIII** 

Course code	Name of the gaves		Tutorial	Credit points
BP801T	Biostatistics and Research Methodology	3/45	1	4
BP802T	Social and Preventive Pharmacy	3/45	1	4
BP803ET	Pharmaceutical Marketing			
BP804ET	Pharmaceutical Regulatory Science			
BP805ET	Pharmacovigilance			
BP806ET	BP806ET Quality Control and Standardizations of Herbals			
BP807ET	Computer Aided Drug Design			
BP808ET	Cell and Molecular Biology	3 + 3 =	1 + 1 = 2	4 + 4 =
BP809ET Cosmetic Science		6/90	1 + 1 = 2	8
BP810ET Experimental Pharmacology				
BP811ET	P811ET Advanced Instrumentation Techniques			
BP812PW	Project Work	12/180	-	6
	Total	24/360	4	22

**Table-IX: Semester wise credits distribution** 

Semester	Credit Points
I	27
II	29
III	26
IV	28
V	26
VI	26
VII	24
VIII	22
Extracurricular/ Co curricular activities	01*
Total credit points for the program	209

<sup>\*</sup> The credit points assigned for extracurricular and or co-curricular activities shall be given by the Principals of the colleges and the same shall be submitted to the University. The criteria to acquire this credit point shall be defined by the colleges from time to time.

<sup>\$</sup>Applicable ONLY for the students studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics course.

<sup>&</sup>lt;sup>#</sup>Applicable ONLY for the students studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology course.





List of S.Y. M. Pharm (Pharmaceutics) students with dissertation topics for Academic Year 2023-2024.





### List of Dissertation topics guided for M. Pharm. Students

**Specialization: Pharmaceutics** 

(Academic Year: 2023-24)

Sr.	Name of student	Name of guide	Title of Dissertation
No.		D. A. I. I. Dhagalar	Formulation and Evaluation of Mouth Dissolving Tablet of
1.	Dagadgave Sudhir Prakash	Dr. Ashok Bhosale; Co-guide: Mrs. Trusha Shanghrapawar	Prochlorperazine Maleate.
2.	Daundkar Anuradha Shashikant	Dr. Ashok Bhosale; Co-guide: Dr. Sujit Kakade	Formulation and Evaluation of Fast Disintegrating Tablet of Solid Dispersion of Rofecoxib
3.	Dhumal Neha Vinod	Dr. Ashok Bhosale; Co-guide: Dr. Prashant Khade	Formulation and Evaluation of Capsaicin Emulgel Using Natural Permeation Enhancer
4.	Gaikwad Rohit Bhimrao	Dr. Sujit Kakade	Formulation and Evaluation of Fusidic Acid and Ocimum Tenuiflorum Loaded Ethosomal Gel: Enhancing Therapeutic Efficacy Through Advanced Delivery System Development
5.	Gavali Prathmesh Pandurang	Dr. Sujit Kakade	Formulation and Evaluation of Fast Disintegrating Tablet of Solid Dispersion of Meloxicam
6.	Haralkar Bhagwat Bhaskar	Dr. Sujit Kakade	Formulation and Evaluation Captopril Loaded Orodispersible Film from Modified Finger Millet Starch as Superdisintegrant
7.	Hirve Prathmesh Dnyaneshwar	Dr. Sujit Kakade	Formulation and Evaluation of Fast Disintegrating Tablet of Solid Dispersion of Sertraline HCl
8.	Jaiswal Vishakha Dhiraj	Dr. Sujit Kakade	Formulation and Evaluation of Mucoadhesive Buccal Tablet of Aceclofenac.
9.	Mengade Dnyaneshwari Suryakant	Dr. Prashant Khade	Preparation, Evaluation and Optimization of Nanosuspension of Simvastatin
10.	Moze Vaishnavi Prakash	Dr. Prashant Khade	Formulation and Evaluation of Terbinafine Hydrochloride Emulgel.
11.	Nigade Abhimanyu Sanjay	Dr. Prashant Khade	Design, Development and Evaluation of nanoparticles containing Lamivudine for HIV-1 Activity
12.	Panchal Shubham	Dr. Prashant Khade	Formulation, Evaluations and optimization of Linum usitatissimum Mucilage-Based Nanoparticles for Effective Delivery of Atorvastatin calcium
13.		Dr. Prashant Khade	Design, Development and Evaluation of Nicotinamide Microemulson gel for Topical drug delivery

14.	Randil Nikhil Santram	Mrs. Trusha Shanghrapawar	Formulation and Evaluation of Sustained Release Tablet of Ciprofloxacin.  Formulation and Evaluation of Floating Tablet of
15.	Virkar Prathmesh Ravindra	Mrs. Trusha Shanghrapawar	Cimetidine.  Example 1 in and Evaluation of Ethosomal Gel Loaded with
16.	Waster Komal Balaji	Mrs. Trusha Shanghrapawar	Mupirocin and Tridax Procumbens for the Treatment of Impetigo.  Formulation and Evaluation of Mucoadhesive Sublingual
17.	Yewale Nirmala Sunil	Mrs. Trusha Shanghrapawar	Tablet of Bromocriptine Mesylate.

Alakale. Dr. Sujit Kakade **HOD** -Pharmaceutics

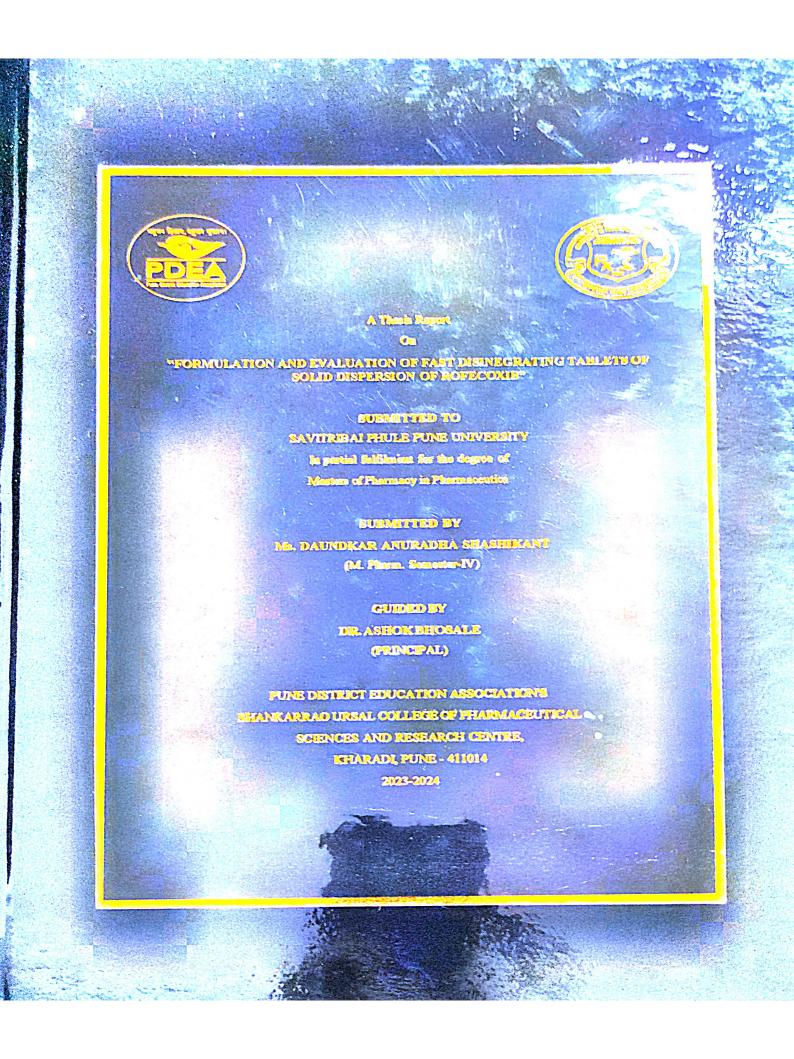
Dr. Ashok Bhosale

PRINCIPAL
P B. E. A's
Shankerrao Ursal College of Pharmaceutical Sciences & Research Gentre
Kharadi Pune 411014





Specimen copies of the reports of S.Y. M. Pharm (Pharmaceutics) students who completed project work during Academic Year 2023-2024







#### A Thesis Report

On

### "FORMULATION AND EVALUATION OF FAST DISINEGRATING TABLETS OF SOLID DISPERSION OF ROFECOXIB"

#### SUBMITTED TO

#### SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfilment for the degree of Masters of Pharmacy in Pharmaceutics

#### SUBMITTED BY

#### Ms. DAUNDKAR ANURADHA SHASHIKANT

(M. Pharm. Semester-IV)

#### **GUIDED BY**

#### DR. ASHOK BHOSALE

(PRINCIPAL)

PUNE DISTRICT EDUCATION ASSOCIATION'S

SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL

SCIENCES AND RESEARCH CENTRE,

KHARADI, PUNE - 411014

2023-2024

#### PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE-411014





#### **CERTIFICATE**

This is to certify that the research work entitled "Formulation and Evaluation of Fast Disintegrating Tablet of Solid Dispersion of Rofecoxib" has been completed for the partial fulfillment of degree of Master of Pharmacy in Pharmaceutics by Ms. Anuradha Shashikant Daundkar, a student of M.Pharm IV Semester during academic year 2023-2024. She has carried out her project satisfactorily under the guidance of Dr. Ashok Bhosale at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune -411014.

Date: 31/07/2024

Place: Kharadi

Examined (

Dr. Ashok Bhosale Principal PDEA'S Shaingipalursal College of Pharmaceutical Sciences & Resemble centre, Khafallerung-14.

Pharmaceutical Sciences & Research Centre, Kharadi.

# PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE-411014





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Date: 31/07/2024

Place: Kharadi

Dr. Ashok Bhosale
Principal

P.D.E.A's S. U. College of Pharmaceutical Sciences & Research Centre, Kharadi





### A THESIS REPORT

ON

"FORMULATION AND EVALUATION OF MUCOADHESIVE BUCCAL TABLET OF ACECLOFENAC"

> SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY

IN PARTIAL FULFILMENT FOR THE DEGREE OF MASTER OF PHARMACY IN PHARMACEUTICS

> SUBMITTED BY MS. VISHAKHA DHIRAJ JAISWAL (M.PHARM. IVTH SEMESTER)

GUIDED BY DR. SUJIT KAKADE (ASSISTANT PROFESSOR) (HEAD OF PHARMACEUTICS DEPARTMENT)

PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE-411014

2023-2024





## A Thesis Report

#### "FORMULATION AND EVALUATION OF MUCOADHESIVE BUCCAL TABLET OF ACECLOFENAC"

## SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfilment for the degree of Master of Pharmacy in Pharmaceutics

SUBMITTED BY

MS. VISHAKHA DHIRAJ JAISWAL

(M.Pharm. IVth Semester)

GUIDED BY DR. SUJIT KAKADE

(Assistant Professor)

(Head of Pharmaceutics Department)

PUNE DISTRICT EDUCATION ASSOCIATION'S
SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL
SCIENCES AND RESEARCH CENTRE
KHARADI, PUNE-411014

2023-2024

#### PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE-411014





#### **CERTIFICATE**

This is to certify that the research work entitled "Formulation and Evaluation of Mucoadhesive Buccal Tablet of Aceclofenac" has been completed for the partial fulfillment of degree of Master of Pharmacy in Pharmaceutics by Ms. Vishakha Dhiraj Jaiswal, a student of M.Pharm IVth Semester during academic year 2023-2024. She has carried out her project satisfactorily under the guidance of Dr. Sujit Kakade at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune -411014.

Date: 31/07/2024

Place: Kharadi

Dr. Ashok Bhosale

Principala Research Centre Kharedi Pune-14& Pharmaceutical Sciences &

Research Centre, Kharadi.

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Date: 31/07/2024

Place: Kharadi

Dr. Sujit Kakade

(Research Guide)

**Assistant Professor** 

P.D.E.A's S. U. College of

Pharmaceutical Sciences & | 1

Research Centre, Kharadi.







#### A Thesis Report

on

## " FORMULATION AND EVALUATION OF FAST DISINTEGRATING TABLET OF SOLID DISPERSION OF MELOXICAM"

#### SUBMITTED TO

#### SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfilment for the degree of

Masters of Pharmacy in Pharmaceutics

#### SUBMITTED BY

MR. GAVALI PRATHAMESH PANDURANG
(M. Pharm. Semester-IV)

#### **GUIDED BY**

DR. SUJIT KAKADE
(HOD of Pharmaceutics Department)

PUNE DISTRICT EDUCATION ASSOCIATION'S
SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL
SCIENCES AND RESEARCH CENTRE,
KHARADI, PUNE - 411014

2023-2024

#### PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE - 411014





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Date - 31-07-2024

Place - Kharadi, Pune

Examined Netwest moder

Dr. Ashok Bhosale

Principalpal al College

Research Centre, Kharadi

# PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE - 411014





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Date - 31-07-2024

Place - Kharadi, Pune

Dr. Sujit Kakade

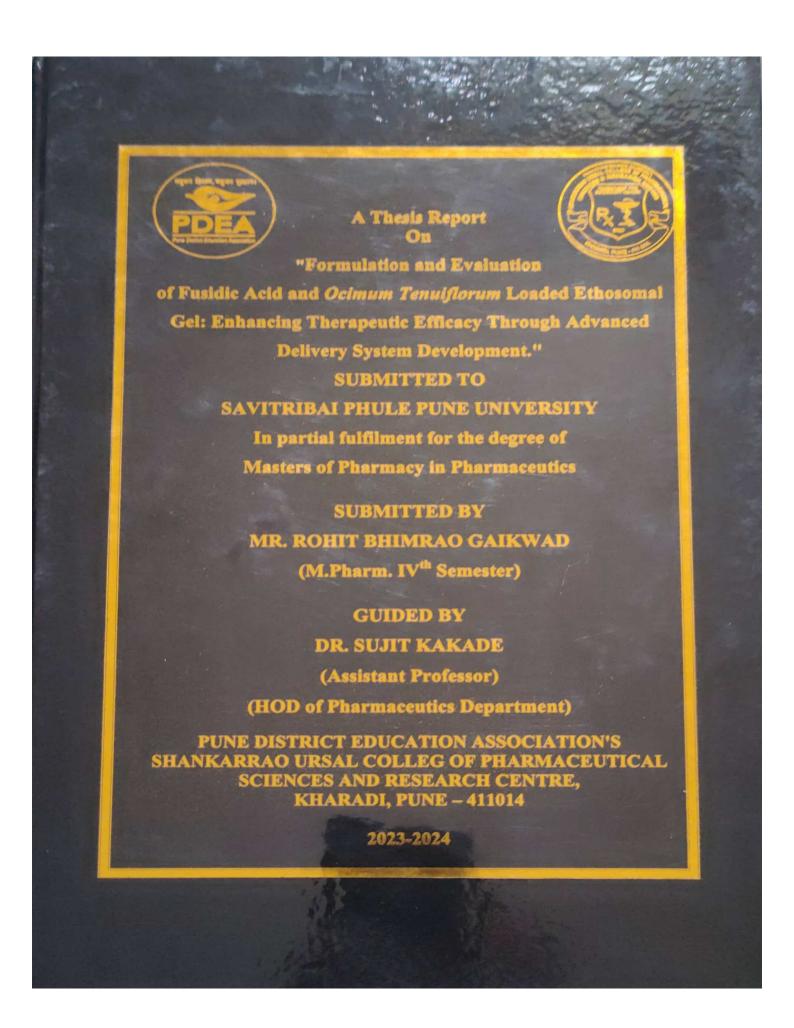
Solulule

**HOD of Pharmaceutics Department** 

P.D.E.A's S.U. College of

Pharmaceutical Sciences &

Research Centre, Kharadi







A Thesis Report

on

"Formulation and Evaluation of Fusidic Acid and Ocimum Tenuiflorum

Loaded Ethosomal Gel: Enhancing Therapeutic Efficacy

Through Advanced Delivery System Development."

### SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfilment for the degree of

Masters of Pharmacy in Pharmaceutics

### SUBMITTED BY MR. ROHIT BHIMRAO GAIKWAD

(M.Pharm. IV<sup>th</sup> Semester)

**GUIDED BY** 

DR. SUJIT KAKADE

(Assistant Professor)

(HOD of Pharmaceutics Department)

PUNE DISTRICT EDUCATION ASSOCIATION'S
SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL
SCIENCES AND RESEARCH CENTRE,
KHARADI, PUNE – 411014

2023-2024

## PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE-411014





#### **CERTIFICATE**

This is to certify that the research work entitled "Formulation and Evaluation of Fusidic Acid and Ocimum Tenuiflorum Loaded Ethosomal Gel: Enhancing Therapeutic Efficacy Through Advanced Delivery System Development" has been completed for the partial fulfillment of degree of Master of Pharmacy in Pharmaceutics by Mr. Rohit Bhimrao Gaikwad, a student of M.Pharm IV Semester during academic year 2023-2024. He has carried out his project satisfactorily under the guidance of Dr. Sujit Kakade at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune -411014.

Date: 31/07/2024

Place: Kharadi

riace: Kharadi

Dr. Ashok Bhosale

Principal

PDEA'S Sharking pal

of Phase Assac U. College

Pharmaceutical Sciences & Research Centre, Kharadi.

## PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE-411014





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Date: 31/07/2024

Place: Kharadi

Dr. Sujit Kakade

(Research Guide)

**Assistant Professor** 

P.D.E.A's S. U. College of

Pharmaceutical Sciences &

Research Centre, Kharadi.





List of S.Y. M. Pharm (Pharmaceutical Quality Assurance) students with dissertation topics for Academic Year A.Y. 2023-2024.





### List of Dissertation topics guided for M. Pharm. Students

Specialization: Pharmaceutical Quality Assurance

(Academic Year: 2023-24)

Sr.	Name of student	Name of guide	Title of Dissertation
No.			
1.	Bangare Bhawana Tulshidas	Mr. Krunal Kanase Co-guide : Dr. Amit Kasbe	Analytical method development and validation of Divalproex sodium by using RP-HPLC in bulk and pharmaceutical dosage forms
2.	Dahifale Rushikesh	Mr. Krunal Kanase Co-guide : Dr. Vijaya Barge	Analytical method development and validation of Pyrantel Pamoate by using RP-HPLC
3.	Dalvi Pallavi Kishore	Dr. Vijaya Barge	Analytical method development and validation of Rasagline Mesylate by using RP-HPLC
4.	Deshmukh Pratiksha Pratap	Dr. Vijaya Barge	Analytical method development and validation of Colchicine in bulk and its doage form by using RP-HPLC
5.	Jadhav Vaishnavi Rajesh	Dr. Vijaya Barge	Analytical method development and validation for determination of Deteriprone in bulk and pharmaceutical dosage forms by using RP-HPLC
6.	Jaiswal Renuka Sunil	Dr. Vijaya Barge	Development and validation of analytical method for simultaneous estimation of Magniferin & Berberine in ayurvedic medicine
7.	Kadam Kiran Ashok	Dr. Vijaya Barge	Analytical method development and validation of Fluticasone propionate HCl by using RP-HPLC
8.	Makude Payal Kishore	Dr. Ravindra Patil	Formulation, Analytical method development and validation of Orodispersible tablet of Benazepril HCl by using HPLC.
9.	Mhaske Ganesh Ashok	Dr. Ravindra Patil	Formulation, HPLC- method development and validation of mouth dissolving tablet of Mebendazole

J.	Mirgudwad Jyoti Marotrao	Dr. Amit Kasbe	Analytical method development and validation of Torsemide by using RP- HPLC
11.	Nalawade Avantika Dhananjay	Dr. Amit Kasbe	Analytical method development and validation of Silymarin by using RP-HPLC
12.	Nirpane Om Balaji	Dr. Amit Kasbe	Analytical method development and validation of Methimazole by using RP-HPLC
13.	Pawar Prashant Balasheb	Dr. Amit Kasbe	Analytical method development and validation of nortriptyline HCl by using RP-HPLC
14.	Prajapati Simran Kantilal	Mr. Vikram Veer	Analytical method development and validation of Oxetacaine by using RP-HPLC
15.	Sable Krishna Sitaram	Mr. Vikram Veer	Analytical method development and validation of Guaifenesin by using RP-HPLC
16.	Shinde Trupti Bapu	Mr. Vikram Veer	Analytical method development and validation of Trimethoprim by using RP- HPLC

Mr. Vikram Veer

**HOD Pharmaceutical Chemistry** 

Dr. Ashok Bhosale
Principal
P. E. A's
Shankarrao Ursal College of

Shankerrao Ursal College of Pharmaceutical Sciences & Research Centre Kharedi, Pune-411014





Specimen copies of the reports of S.Y. M. Pharm (Pharmaceutical Quality Assurance) students who completed project work during Academic Year 2023-2024





A Research Report

"ANALYTICAL METHOD DEVELOPMENT AND VALIDATION
OF SUCRALFATE BY RP-HPLC"

Submitted By MISS. SIMRAN KANTILAL PRAJAPATI

(M.Pharm. IV Semester)

GUIDED BY

MR. VIKRAM VEER
(Assistant Professor)

PUNE DISTRICT EDUCATION ASOCIATION'S
SHANKARRAO URSAL COLLEGE OF
PHARMACEUTICAL SCIENCES AND RESEARCH
CENTRE
KHARADI, PUNE-411014
2023-2024



#### Research Report



On

## "ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ON SUCRALFATE BY USING RPHPLC"

#### **SUBMITTED TO**

#### SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfillment for the degree of Master of Pharmacy in Pharmaceutical Quality Assurance

#### **SUBMITTED BY**

#### MS. SIMRAN KANTILAL PRAJAPATI

(M. Pharm. Semester-IV)

#### **GUIDED BY**

MR. VIKRAM VEER

(Assistant Professor)

PUNE DISTRICT EDUCATION ASSOCIATION'S
SHANKARRAO URSAL COLLEGE OF
PHARMACEUTICAL SCIENCES & RESEARCH
CENTRE,

KHARADI, PUNE- 411014.

2023-2024





# PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES & RESEARCH CENTER, KHARADI, PUNE-411014.

#### **CERTIFICATE**

This is to certify that the research work entitled "ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ON SUCRALFATE BY USING

RPHPLC<sup>35</sup> has been completed for the partial fulfillment of degree of Master of Pharmacy in Pharmaceutical Quality Assurance by Miss. SIMRAN KANTILAL PRAJAPATI, a student of M. Pharm Sem-IV during academic year 2023-2024. She has carried out his project satisfactorily under the guidance of Mr. Vikram Veer at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Center, Kharadi, Pune-411014.

Date: |6/8/2024

Place: Kharadi

THARMACH ON EAST OF COMMUNITY HAND

Dr. Ashok Bhosale

PDEA'S Shankarrao Ursal College
P.D.BAPS TORCEO IPAS & R.C. Kharadi, Pune
Research Centre, Kharadi, Pune-14.





# PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES & RESEARCH CENTER, KHARADI, PUNE-411014.

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Date: 16 / 8 /2024

Place: Kharadi

Mr. Vikram Veer

(Assistant Professor)

P.D.E.A's S.U.C.O.P.S.&R.C Kharadi, Pune



A Research Report

Om

"ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ON

TRIMETHOPRIM BY USING RPHPLC"

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfillment for the degree of Master of Pharmacy in Pharmaceutical Quality Assurance

SUBMITTED BY

MS. TRUPTI BAPU SHINDE

(M. Pharm. Semester-IV)

GUIDED BY

MR. VIKRAM VEER

(Assistant Professor)

PUNE DISTRICT EDUCATION ASSOCIATION'S

SHANKARRAO URSAL COLLEGE OF

PHARMACEUTICAL SCIENCES & RESEARCH

CENTRE,

KHARADI, PUNE-411014.

2023-2024



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On

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2023-2024





# PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES & RESEARCH CENTER, KHARADI, PUNE-411014.

### **CERTIFICATE**

This is to certify that the research work entitled "ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ON TRIMETHOPRIM BY USING RPHPLC" has been completed for the partial fulfillment of degree of Master of Pharmacy in Pharmaceutical Quality Assurance by Miss. Trupti Bapu Shinde, a student of M. Pharm Sem-IV during academic year 2023-2024. She has carried out his project satisfactorily under the guidance of Mr. Vikram Veer at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Center, Kharadi, Pune-411014.

Date: 6/8 /2024

Place: Kharadi

PHARADI, PUNE AND IN

Dr. Ashok Bhosale

PDEA'S Shankarrao Ursal College
P.D.E.A'S SUccion Pisical College
Research Centre, Kharadi, Pune-14.





# PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES & RESEARCH CENTER, KHARADI, PUNE-411014.

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Date: 6/8/2024

Place: Kharadi

Mr. Vikram Veer

(Assistant Professor)

P.D.E.A's S.U.C.O.P.S.&R.C Kharadi, Pune



# A Research Report



"Formulation, Analytical Method Development And Evaluation of Orodispersible Tablet of Benazepril Hydrochloride by Using HPLC Method?"

SUBMITTED TO

# SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfillment for the degree of Master of Pharmacy in Pharmaceutical Quality Assurance

SUBMITTED BY
Miss. MAKUDE PAYAL KISHOR
(M. Pharm. Semester-IV)

GUIDED BY
Dr. R.Y.PATIL
(H.O.D. PHARMACOGNOSY)

CO-GUIDED BY
Mr. V.S.VEER
(ASSISTANT PROFESSOR)

Pune District Education Association's
Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune-411014.

2023-2024



## A Research Report



On

"Formulation, Analytical Method Development And Evaluation of Orodispersible Tablet of Benazepril Hydrochloride by Using HPLC Method"

**SUBMITTED TO** 

### SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfillment for the degree of Master of Pharmacy in Pharmaceutical Quality Assurance

SUBMITTED BY

Miss. MAKUDE PAYAL KISHOR

(M. Pharm. Semester-IV)

**GUIDED BY** 

Dr. R.Y.PATIL

(H.O.D. PHARMACOGNOSY)

**CO-GUIDED BY** 

Mr. V.S.VEER

(ASSISTANT PROFESSOR)

Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune- 411014.

2023-2024





# Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune- 411014.

## **CERTIFICATE OF THE GUIDE**

This is to certify that the research work entitled "Formulation, Analytical Method Development and Evaluation of Orodispersible Tablet of Benazepril Hydrochloride by Using HPLC Method" has been completed for the partial fulfillment of degree of Master of Pharmacy in Pharmaceutical Quality Assurance by Miss. Makude Payal Kishor, a student of M.Pharm IV<sup>th</sup> Semester during academic year 2023-2024. She has carried out her project satisfactorily under my guidance at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune-411014.

Date: 16/8/2026

Place: Kharadi

Dr.R.Y.Patil

(Guide)

**HOD Pharmacognosy** 

P.D.E.A's S.U.C.O.P.S. & R.C Kharadi, Pune

# Pune District Education Association's Shankarrao Ursal College Pharmaceutical Sciences & Research Centre, Kharadi, Pune- 411014.

# **CERTIFICATE OF THE CO-GUIDE**

This is to certify that the research work entitled "Formulation, Analytical Method Development and Evaluation of Orodispersible Tablet of Benazepril Hydrochloride by Using HPLC Method" has been completed for the partial fulfillment of degree of Master of Pharmacy in Pharmaceutical Quality Assurance by Miss. Makude Payal Kishor, a student of M.Pharm IV<sup>th</sup> Semester during academic year 2023-2024. She has carried out her project satisfactorily under my co-guidance at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune-411014.

Date: 16/08/2024

Place: Kharadi

Prof. V.S. Veer

(Co-guide)

**Assistant Professor** 

P.D.E.A's S.U.C.O.P.S. & R.C Kharadi, Pune



# A Research Report On



"ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ON GUAIFENESIN BY USING RPHPLC"

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfillment for the degree of masters of Pharmacy in Pharmaceutical Quality Assurance

SUBMITTED BY
SABLE KRISHNA SITARAM

(M. Pharm. IV Semester)

GUIDED BY
MR. VIKRAM VEER
(Assistant Professor)

PUNE DISTRICT EDUCATION ASOCIATION'S
SHANKARRAO URSALCOLLEGE OF PHARMACEUTICAL
SCIENCES AND RESEARCH CENTER
KHARADI, PUNE-411014
2023-2024





### A Research Report

On

# "ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ON GUAIFENESIN BY USING RPHPLC"

### **SUBMITTED TO**

SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfillment for the degree of masters of

Pharmacy in Pharmaceutical Quality Assurance

### **SUBMITTED BY**

### SABLE KRISHNA SITARAM

(M. Pharm. IV Semester)

**GUIDED BY** 

MR. VIKRAM VEER

(Assistant Professor)

PUNE DISTRICT EDUCATION ASOCIATION'S
SHANKARRAO URSALCOLLEGE OF
PHARMACEUTICAL SCIENCES AND RESEARCH
CENTER
KHARADI, PUNE-411014

2023-2024

# PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTER, KHARADI, PUNE-411014





### **CERTIFICATE**

This is to certify that the research work entitled "ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ON GUAIFENESIN BY USING RPHPLC"

has been completed for the partial fulfillment of degree of Master of Pharmacy in Pharmaceutical Quality Assurance by Mr. Krishna Sitaram Sable, a student of M. Pharm IV Semester during academic year 2023-2024. He has carried out his project satisfactorily under the guidance of Mr. Vikram Veer at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Center, Kharadi, Pune-411014.

Date: 16/8/2024 Place: Kharadi Dr. Ashok Bhosale

Principal
PDEA'S Shankarrao Ursal College
P.D.E. A'esearch Centre, Kharadi, Pune-14.

# PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTER, KHARADI, PUNE-411014





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Date: 16/8/2024

Place: Kharadi

Mr. Vikram Veer

(Assistant Professor)

P.D.E.A'S S.U.C.O.P.S & R.C Kharadi, Pune



# Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune-14.



List of Final Year B. Pharm students with practice school topics (VII semester) and project work topics (VIII semester) for Academic Year 2023-2024.



# Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune



### Guide Allotment for Practice School for Final Year B. Pharm (Sem-VII) 2019P Academic Year 2023-2024.

Sr.No.	Name of the Guide	Roll. No	Name of the Student	Topics
1.	Prof. Dr	1		A review on Liposomes; A
	V.U.Barge.		Atole Akanksha	promising Technique for Drug
			Shivaji	Delivery
		2	om raji	A review on High Performance
			Badhe Payal Santosh	Thin layer Chromatography.
	,	3	Baydhane Nilam	A review on Validation of
			Harishchandra	Analytical Method.
2.	Prof.	6	Bohra Sayam sunil	Comparative Studies of
2.	Dr.R.Y.Patil.	7	Choudhari Abhijeet	Marketed Formulations of Arist
		,	Shivlal	
		8	Choudhary Yogesh	· ·
			Kuparam	
		9	Dhale Rushikesh	Comparative Studies of
			Krishna	Marketed Formulations of
		10	Dhumal Siddhant	Bhasma
		10	Vikas	Bilasina
		11	Doke Shubham	1
		''	Dadabhau	
3.	Dr. Amit	14	Dorage Shreya	Analysis of marketed
3.	Kasbe.	'4	Dattatray	formulation by U.V
	Russe.	15	Dumbre Jagruti	Spectroscopy
			Sandeep	Special Py
		16	•	_
			Gaikwad Nikita Nana	
4.	Dr S.S	19	Ghule Sonali	Solubility Enhancement of
	Kakade.		Balasaheb	Fenofibrate by solid Dispersion
		20	Ghule Vaibhavi	Method
			Dattatray	
		21	Girase Pallavi	
			Mahendra	
5.	Dr. P.H	24	Hambir Utkarsha	Preparation and Evaluation of
	Khade.		Gulabrao	Herbal Lipstick
		25	Hole Shubham	
			Mahadev	
		26	Holkar Nikita	
			Rajaram	
6.	Mr. Vikram	29	Jadhav Vaibhav	U.V. Spectrophotometer
3.	Veer.		Santosh	Handling and Determination or
		30	Jagtap Hrishikesh	some Drugs
			Sudam	
			Jagtap Rutvik Anil	

				1 30	
7.	Mr. Krunal	34	Kamble Esha	Production of Mosquito	
	Kanase.		Rajendra	Repellant Insecticides using	
		35	Kaspate Shubham	Orange peels	
			Biru		
		36	Khaladkar Tejas		
			Santosh		
		37	Kharabe Khushi	Formulation and Evaluation of	
			Rohidas	Herbal Toothpaste	
		38	Kirtane Vaibhav	•	
			Vishwajeet		
		39	Kolhe Gauri ishawar		
8.	Mrs. Trusha	42	Mane Sakshi Sayaji	Preparation and Evaluation of	
	Sangrapawar.	43	Mate Mayur	Herbal Lipstick	
			Rameshwar	•	
		44	Mohite Aditya Rahul		
9.	Mr. Vipul	47	Naiknavare Deepali	Pharmacognostic Evaluation and	
	Dasade.		Radhakisan	Antimicrobial Potential of Moringo oleifera	
		48	Narvekar Snehal		
			Sukhdev		
		49	Pabale Sourabh		
			Santosh		
		50	Pandkar Saniya		
			Rajendra		
		51	Patange Vaibhav	Leucorrhoea Care by Ayurveda	
			Narayanrao		
		52	Pawar Pratiksha		
			Prashant		
		53	Pawar Vikas Rajaram		
		54	Pujari Vaishnavi		
			Vijaykumar		
10	O. Mrs.	57	Rajpurohit Srushti	Determination of Absorption	
	Tejaswini		Harisingh	Maxima and Area Under Curve	
	Khande.	58	Raskar Laukik	Method of Telmisartan	
			Chandrakant		
		59	Rathod Bharat		
			Babulal		
		60	Salunke Shreya Pravin		
1	1. Mrs. Kiran	61	Sawant Aarti Ramdas	Review of Analytical methods	
	Ghule.	62	Shegokar Yash Anil	and Stability indicating	
		63	Shewale Pranali	parameters	
			Ramkrushna		
		64	Solanke Prathamesh	·	
			Nandkishor		
13	2. Mrs. B.G	65	Sonawane Drushti	Formulation and Evaluation of	
	Shelar.	- 7-	Hemant	Transdermal Patches.	
		66			
			Vishnu		
		67		_	
		68	Thokal Sakshi bhaskar		
		69			

		70	Thopate Saurabh	Review of Analytical Method
			Dattatray	and Stability Indicating
		71	Thorat Suyash Vikas	Parameters.
		72	Todmal Bhakti Nilesh	15 shortion of
14.	Mrs. Anjali Pande.	56	Raje Vasundhara Satishrao	Formulation and Evaluation of Diclofenac Sodium Gel
		73	Vidhate Rachna Suresh	
		74	Zalte Omkar Ganesh	
		75	Jedhe Gaurav Avinash	
15.	Dr Ashmita Sakare	04	Bhosale Gitanjali pandurang	U.V. Spectrophotometer Handling and Determination of
		05	Bochare Shrinath Rangnath	some Drugs
		12	Dolare Sakshi popat	0.61 4
		13	Dombe Akshada Nilkanth	Introduction of Chromatography and Characterization of
		17	Gaikwad Utkarsh Ramesh	Compounds by using TLC
		18	Ghavate Siddhi Ashok	
16.	Mrs. P.J.Bansod	22	Gosavi Subhash Santosh	To Carry Out Comparative Study between Different Brands
		23	Gund Rutuja Santosh	of Marketed Metformin Tablet
		27	Ingole Rajlaxmi Sanjay	
		28	Jadhav Shivjeet Ramesh	To Formulate and Standardize the Prepared Marketed Triphala
		32	Kadam Manish Ramdas	Churna With Marketed Triphala Churna
		33	Kale Vinit Ganpat	
17.	Mrs. Trupti	55	Puri Ravi Kailas	Formulation of Mouth
	Shah	40	Lagad Jai Anil	Dissolving Tablet
		41	Mane Rohini Vijaykumar	
		45	Mohite Sumit Santosh	Formulation of Herbal Hair Oil
		46	Munde Amarnath	Containing Onion Extract.

Dr.R.Y Patil Coordinator

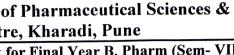
Dr Ashok V Bhosale

PRINCPAL

P D. E. A's
Shankarrao Ursal College of
Pharmaceutical Sciences & Research Centre Kharadi, Pune-411014



### Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune





It is the responsibility of staff members to verify their topic titles, allotted students, make appropriate changes (if necessary), and submit with their signatures.

Sr.No.	Name of the Guide	Roll. No	Name of the Student	Title of Topic	Signature of Guide
1.	Prof. Dr	1	Atole Akanksha	Development and Validation of	
	V.U.Barge.		Shivaji	Analytical Method for	2000
	,	2	Badhe Payal Santosh	Determination of Methimazole	500
		3	Bavdhane Nilam	in Bulk and Pharmaceutical	
			Harishchandra	Dosage Forms.	
2.	Prof.	6	Bohra Sayam sunil	Comparative in-vitro Study of	Path
	Dr.R.Y.Patil.	7	Choudhari Abhijeet Shivlal	Hydroalcoholic and Cow Urine Leaf Extracts of Nyctanthes	
		8	Choudhary Yogesh	arbor tristis for Anti- Arthritic	
			Kuparam	Activity.	
		9	Dhale Rushikesh	Standardization Evaluation and	
			Krishna	Comparative study of Marketed and freshly prepared	(ID)
		10	Dhumal Siddhant		Jan W
			Vikas	Chyawanpras.	
3.	Dr. Amit	14	Dorage Shreya	Formulation and Evaluation of Herbal Soap.	Am
	Kasbe.		Dattatray		
		15	Dumbre Jagruti		90
			Sandeep		
		16	Gaikwad Nikita		
			Nana		
4.		19	Ghule Sonali	Formulation Development of	
	Kakade.		Balasaheb	Fast Disintegration Tablet of	883
		20	Ghule Vaibhavi	Fenofibrate Solid Dispersion.	
			Dattatray		
,		21	Girase Pallavi		
			Mahendra		1
5.		24	Hambir Utkarsha	Formulation and Evaluation of	
	Khade.	Khade.	Gulabrao	Herbal Herbal Lipstick.	1
		25	Hole Shubham		1 49
			Mahadev		
		26	Holkar Nikita		
			Rajaram		

6.	Mr. Vikram	29	Jadhav Vaibhav	Determination of Drug Content	1 6
	Veer.		Santosh	of Erythromycin Estolate by	Moor.
		30	Jagtap Hrishikesh	using U.V. Spectroscopy	
			Sudam		
		31	Jagtap Rutvik Anil		,
7.	Mr. Krunal	34	Kamble Esha	Formulation and Evaluation of	
	Kanase.		Rajendra	Polyherbal Toothpaste by using	011
		35	Kaspate Shubham	Medicinal Plants.	Jahn .
			Biru		
		36	Khaladkar Tejas		
			Santosh		
		37	Kharabe Khushi	Formulation and Evaluation of	01
			Rohidas	Mosquito Repellent Cream.	
		38	Kirtane Vaibhav	·	11
		•	Vishwajeet		*
		39	Kolhe Gauri Ishawar		
8.	Mrs. Trusha	42	Mane Sakshi Sayaji	Formulation and Evaluation of	``O
	Sangrapawar.	angrapawar. 43	Mate Mayur	Herbal Soap.	(Tellele)
			Rameshwar		Collection
		44	Mohite Aditya	я	1
			Rahul		
9.	Mr. Vipul	47	Naiknavare Deepali	Formulation and Evaluation of	8
	Dasade.		Radhakisan	Phytosomes for Psoriasis.	
		48	Narvekar Snehal	Formulation and Evaluation of	
			Sukhdev	Liposomes for treatment of Skin Burn.	a
		49	Pabale Sourabh	Buin.	
		50	Santosh		
		50	Pandkar Saniya		
		<i>5</i> 1	Rajendra	Formulation and Evaluation of	
	-	51	Patange Vaibhav	Phytosomes for Psoriasis.	0
		52	Narayanrao Pawar Pratiksha	1	4
		32	Prashant		
		53	Pawar Vikas		
		55	Rajaram		
		54	- Lujuiuii	Formulation and Evaluation of	
		٥.	Pujari Vaishnavi	Liposomes for treatment of Skin	8
			Vijaykumar	burn.	
10	Mrs. Deepika	57	Rajpurohit Srushti	Screening of Moringa Oleifera	
	Prajapati		Harisingh	aqueous extract for	Donko
		58	Raskar Laukik	Antimicrobial activity.	Deelin
			Chandrakant		
		59	Rathod Bharat		
			Babulal		
		60	Salunke Shreya		
			Pravin		

	N. 4. 77.	61	Sawant Aarti	U.V. Analytical Method	0
1	Mrs. Kiran	61	Ramdas	Development and Validation for	()° ,
	Ghule.	(2)		Lamivudine.	
	-	62	Shegokar Yash Anil	Lamvudme.	
		63	Shewale Pranali Ramkrushna		
	-	<b>C A</b>	Solanke Prathamesh		
		64	Nandkishor		
12	Mrs. B.G	65	Sonawane Drushti	Formulation and evaluation of	
12	Shelar.	05	Hemant	Transdermal Patch.	0
	Siletai.	66	Tambe Vaibhav		Boreloo
			Vishnu		+ _
		67	Thite Rohan Nitin	•	
		68	Thokal Sakshi		
		00	bhaskar		
13	Mr. N.S.	69	Thombre Mrudula	Formulation and Evaluation of	
13	Neharkar.	07	Mahesh	Dolutegravir and Lamivudine	
	Ivenarkar.	70	Thopate Saurabh	Tablet.	1
		70	Dattatray		Diti's
		71	Thorat Suyash Vikas		N
		72	Todmal Bhakti	3	$\nu$
		, 2	Nilesh		
14 Mrs	Mrs. Anjali	56	Raje Vasundhara	Formulation and Evaluation of	
17	Pande.		Satishrao	Diclofenac Sodium Gel by using	(A)
		73	Vidhate Rachna	Carbopol 940.	$\bigcirc$
			Suresh		
		74	Zalte Omkar Ganesh		
		75	Jedhe Gaurav		
			Avinash		
15	Dr Ashmita	04	Bhosale Gitanjali	Physiochemical Analysis and	
	Sakare		pandurang	Thin Layer Chromatography of	<b>4</b> /
		05	Bochare Shrinath	Polyherbal Extract	Salar
			Rangnath		
		18	Ghavate Siddhi		
	1		5 1 11 1	Analytical Method	
	1	13	Dombe Akshada	Allalytical	
		13	Dombe Akshada Nilkanth		
	-	13	Nilkanth Gaikwad Utkarsh	Development and Validation of Aceclofenac in Bulk and	
	-		Nilkanth	Development and Validation of	
	_		Nilkanth Gaikwad Utkarsh	Development and Validation of Aceclofenac in Bulk and	
16	Mrs Poonam	17 12	Nilkanth Gaikwad Utkarsh Ramesh Dolare Sakshi popat	Development and Validation of Aceclofenac in Bulk and	ک با جاگا
16	Mrs. Poonam	17	Nilkanth Gaikwad Utkarsh Ramesh Dolare Sakshi popat Gosavi Subhash	Development and Validation of Aceclofenac in Bulk and Pharmaceutical Dosage Forms.	Radhald
16	Mrs. Poonam Jadhav	17 12 22	Nilkanth Gaikwad Utkarsh Ramesh Dolare Sakshi popat Gosavi Subhash Santosh	Development and Validation of Aceclofenac in Bulk and Pharmaceutical Dosage Forms.  Formulation and Evaluation of	Padhais
16		17 12	Nilkanth Gaikwad Utkarsh Ramesh Dolare Sakshi popat Gosavi Subhash Santosh Gund Rutuja	Development and Validation of Aceclofenac in Bulk and Pharmaceutical Dosage Forms.  Formulation and Evaluation of	Radhard
16		17 12 22	Nilkanth Gaikwad Utkarsh Ramesh Dolare Sakshi popat Gosavi Subhash Santosh	Development and Validation of Aceclofenac in Bulk and Pharmaceutical Dosage Forms.  Formulation and Evaluation of	Padhais

		28	Jadhav Shivjeet Ramesh	Formulation and Evaluation of Micro - sponges	Pallary
		32	Kadam Manish		
			Ramdas		
		33	Kale Vinit Ganpat		
17.	Mrs. Trupti	55	Puri Ravi Kailas	Preparation of Mouth dissolving	
	Shah	40	Lagad Jai Anil	Tablet containing Antacid.	4 //
		41	Mane Rohini		"/my
			Vijaykumar		3///
		45	Mohite Sumit	Preparation of Herbal Oil	
			Santosh	Containing Onion Extract.	- dubt
		46	Munde Amarnath		1,000
			Balkrishna		

Coordinator

Dr Ashok V Bhosale
PRinkGipal
P D. E. A's
Shankarrao Ursal College of
Pharmaceutical Sciences & Research Centre
Kharadi. Pune-411014



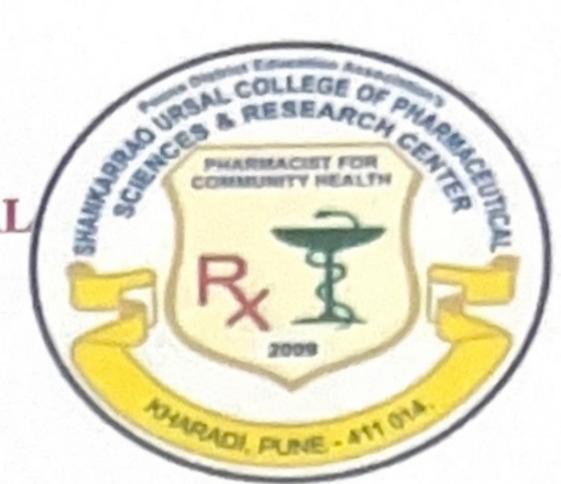
# Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune-14.



Specimen copies of the reports of Final Year B.Pharm students who completed practice school & project work (VIIth & VIIIth semester) during Academic Year 2023-2024.



# PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE - 411014



A Practice School Report

On

"REVIEW ON SOLUBILITY ENHANCEMENT OF POORLY SOLUBLE DRUG BY USING SOLID DISPERSION TECHNIQUE"

# **SUBMITTED TO**

# SAVITRIBAI PHULE PUNE UNIVERSITY

In partial fulfilment for the degree of

Bachelor of Pharmacy

# SUBMITTED BY

Ms. Pallavi Mahendra Girase Ms. Sonali Balasaheb Ghule Ms. Vaibhavi Dattatray Ghule

FINAL YEAR B.PHARM (SEM VII)

**GUIDED BY** 

DR. SUJIT S. KAKADE

(HOD Pharmaceutics Department)



# PUNE DISTRICT EDUCATION ASSOCIATION'S SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE - 411014



# CERTIFICATE OF THE GUIDE

This is to certify that the practice school project entitled "REVIEW ON SOLUBILITY ENHANCEMENT OF POORLY SOLUBLE DRUG BY USING SOLID DISPERSION TECHNIQUE" has been completed for the partial fulfilment of the academic condition laid down by Savitribai Phule Pune University, Pune by Ms. Pallavi Girase ,Ms.Sonali Ghule and Ms. Vaibhavi Ghule a student of B. Pharm Sem-VII during academic year 2023-24. They have carried out Practice school project satisfactory under my guidance at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences & Research Center, Kharadi, Pune-411014.

Date - 06/12/2023

Place - Kharadi, Pune

Dr .Sujit S. Kakade.

(HOD Pharmaceutics Department)

P.D.E.A.'s S.U.C.O.P.S. & R.C.,

Kharadi, Pune





# Shankarrao Ursal College Of Pharmaceutical Science And Research Centre

# Kharadi Pune 14

A Practice School Report On

# HERBAL MEDICATED LIPSTICK

**Submitted To** 

Savitribai Phule Pune University, Pune

In partial fulfillment of the B.Pharm Course

**Submitted By** 

Mr. Shubham Hole

Ms. Nikita Holkar

Ms. Utkarsha Hambir

**Guided By** 

Dr. P.H. Khade

(Pharmaceutics Department)

Academic Year 2023-2024







# Kharadi Pune 14

# CERTIFICATE OF THE GUIDE

This is to certify that the practice school project entitled HERBAL MEDICATED LIPSTICK has been completed for the the partial fulfillment of the academic condition laid down by Savitribai Phule Pune University Pune by Mr. Shubham Hole, Ms. Nikita Holkar, Ms. Utkarsha Hambir students of B.Pharm VII<sup>Tth</sup> semester during academic year 2023-2024. They have carried out practice school project under my guidance at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences And Research Centre, Kharadi, Pune.

Date: 06-12-23

Place: Kharadi

Dr. P.H. Khade

(Assitant Prof.
Pharmaceutics
Depart.)

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Shankarrao Ursal College Of Pharmaceutical Sciences And Research Centre, Kharadi Pune 14.



A Practice School Report On

# FORMULATION AND EVALUATION OF HERBAL SOAP

**Submitted To** 

Savitribai Phule Pune University, Pune

In partial fulfillment of the B Pharm course

Submitted by

Miss.Sakshi Sayaji Mane

Mr.Aditya Rahul Mohite

Mr.Mayur Rameshwar Mate

FINAL YEAR B. PHARM (SEM VIII)

**Guided By** 

Mrs.Trusha P Shangrapawar

(Asst. Professor)

(Pharmaceutics Department)

Academic Year 2023-24



Shankarrao Ursal College Of Pharmaceutical Sciences And Research Centre, Kharadi Pune 14.



# CERTIFICATE OF THE GUIDE

This is to certify that the project entitled Formulation and Evalution of Herbal Soap has been completed for the partial fulfillment of the academic condition laid down by Savitribai Phule Pune University, Pune by Miss.Sakshi Sayaji Mane ,Mr. Aditya Rahul Mohite, Mr.Mayur Rameshwar Mate students of B.Pharm VIII<sup>th</sup> semester during the academic year 2023-2024. They have carried out project work project under my guidance at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences And Research Centre, Kharadi, Pune.

Place: -Kharadi, pune

Date: - 101512029

Mrs. TRUSHA P. SHANGRAPAWAR

(Asst. Professor)



# Pune District Education Association's Shankarrao Ursal College of Pharmaceutics Sciences and Research Centre. Kharadi Pune-14



# Practice School Report On

Formulation and evaluation of Herbal soap.

# Submitted to

Savitribai Phule Pune University, Pune.

In partial fulfilment of the B pharmacy course

# Submitted By

Ms. Shreya Dattatray Dorge.

Ms. Jagruti Sandeep Dumbre.

Ms. Nikita Nana Gaikwad.

# **Guided By**

Dr Amit Kasabe

Pharmaceutical Chemistry Department Academic Year 2023-24

64/73

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SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE

Practice School Report...



Pune District Education Association's

# Shankarrao Ursal College Of Pharmaceutic Sciences and Research Centre. Kharadi Pune-14.



# Certificate of the Guide

This is to certify that the Practice school report entitled Studies On The Formulation and evalution of Herbal soap. has been completed for the partial fulfillment of the academic condition laid down by Savitribai Phule Pune University Pune by Ms. Shreya Dattatray Dorge, Ms. Jagruti Sandeep Dumbre, Ms. Nikita Nana Gaikwad .students of B.Pharm VII semester during year of 2023-2024 they have carried out their Practice school project under my guidance at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences And Research Centre Kharadi ,Pune.

Date: | 4 | | 2 | 2023 My Place: - Kharadi Dr.Amit Kasabe



# SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE-14



### A Project Work Report on

# "SOLUBILITY ENHANCEMENT OF FENOFIBRATE BY SOLID DISPERSION TECHNIQUE"

### **SUBMITTED TO**

# SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN PARTIAL FULFILLMENT OF THE B. PHARM COURSE

### **SUBMITTED BY**

Ms. Pallavi Mahendra Girase.

Ms. Vaibhavi Dattatray Ghule.

Ms. Sonali Balasaheb Ghule.

FINAL YEAR B PHARMACY (SEM: VIII)

### **GUIDED BY**

Dr. Sujit S. Kakade.

HOD

(Pharmaceutics Department)

Academic Year 2023-2024



# SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI, PUNE-14



### Certificate

This is to certify that the project work report entitled "SOLUBILITY ENHANCEMENT OF FENOFIBRATE BY SOLID DISPERSION TECHNIQUE" has been completed for the partial fulfillment of the academic condition laid down by Savitribai Phule Pune University, by Ms. Pallavi Mahendra Girase, Ms. Vaibhavi Dattatray Ghule, Ms. Sonali Balasaheb Ghule student of B.Pharm VIII semester during academic year 2023-2024. Project work has carried out satisfactorily under the guidance of Dr. Sujit S. Kakade at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre, Kharadi, Pune – 411014.

Date: 2/5/2024

Place: Kharadi



Dr. Ashok Bhosale

PRINCIPAL PRINCEPAL Shanbarrao Ursal Colle

Shantarrao Ursal College of Pharmaceutical Sciences & Research Carthe Kharadi, Pune-411014



### Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre Kharadi Pune 14



### A Project Work Report On

Formulation and evaluation of polyherbal Combination Tablet of Anti-diabetic

### **Submitted To**

Savitribai Phule Pune University, Pune

In partial fulfillment of the B Pharm course

Submitted by

Mr. Shivjeet Ramesh Jadhav

Mr. Vinit Ganpat Kale

Mr.Manish Ramdas Kadam

FINAL YEAR B. PHARM (SEM VIII)

**Guided By** 

Miss.Poonam.A.Jadhav

(Asst. Professor)

(Pharmaceutics Department)

Academic Year 2023-2024

P.D.E.A SHANKARRAO URSAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI



Shankarrao Ursal College Of Pharmaceutical Sciences And Research Centre, Kharadi Pune 14.



### Certificate

This is to certify that the project work report entitled FORMULATION AND EVALUATION OF POLYHERBAL COMBINATION TABLET OF ANTI-DIABETIC has been completed for the partial fulfilment of the academic condition laid down by Savitribai Phule Pune University Pune by Mr. Shivjeet Ramesh Jadhav, Mr. Vinit Ganpat Kale and Mr. Manish Ramdas Kadam student of B.Pharm VIII th semester during academic year 2023- 2024 has carried out our project work satisfactorily under the guidance of Miss. Poonam.A. Jadhav at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre, Kharadi, Pune.

Date: 30-4-2024

Place: Kharadi Pune

TO COLLEGE OF MANY THE ALTHOUGH THE ALTHOUGH

Dr. Ashok Bhosale

Principal Principal

PDEA'S Shankarrao Ursal College of Phermaceutical Sciences & Research Centre, Kharadi, Pune-14.

P.D.E.A SHANKARRAO URSAL COLLEGE OD PHARMACEUTICAL SCIENCES AND RESEARCH CENTRE, KHARADI



# Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre Kharadi Pune 14



### A Project Work Report On

### Formulation and Evaluation of Herbal Face Wash Gel

**Submitted To** 

Savitribai Phule Pune University, Pune

In Partial Fulfillment of the B.Pharm Course

**Submitted By** 

Mr. Subhash Santosh Gosavi.

Ms. Rutuja Santosh Gund.

Ms. Rajlaxmi Sanjay Ingole.

**Guided By** 

Ms. Poonam A. Jadhav.

(Assistant Professor, Pharmaceutics.)

Academic Year 2023-2024



# Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre Kharadi Pune 14



### Certificate

This is to certify that the project work report entitled Formulation and Evaluation of Herbal Face Wash Gel has been completed for the partial fulfillment of the academic condition laid down by Savitribai Phule Pune University Pune, by Mr. Subhash Santosh Gosavi, Ms. Rutuja Santosh Gund and Ms. Rajlaxmi Sanjay Ingole students of B.Pharm VIII<sup>th</sup> semester during academic year 2023-2024. Project work has carried out satisfactorily under the guidance of Ms. Poonam A. Jadhav at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre, Kharadi, Pune.

Date: 10/5/2024

Place: Kharadi

COMPAND RESEARCH COMMUNITY HEALTH COMMUN

Principal

Dr. Ashok Bhosale

Principal

PDEA'S Shankarrao Ursal College of Pharmaceutical Sciences & Research Centre, Kharadi, Pune-14.



### Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre. Kharadi, Pune- 411014.



### Project Work Report On

Development and evaluation of Herbal soap.

### Submitted to

Savitribai Phule Pune University, Pune. In partial fulfilment of the B Pharmacy course.

### **Submitted By**

Ms. Shreya Dattatray Dorge.

Ms. Jagruti Sandeep Dumbre.

Ms. Nikita Nana Gaikwad.

### Guided By

Dr Amit Kasabe
Assistant Professor
Department of Pharmaceutical Chemistry
Academic Year 2023-2024

M. N. Winde



### Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences and Research Centre. Kharadi, Pune- 411014



### Certificate

This is to certify that the Practice school report entitled Studies on Development and evalution of Herbal soap. has been completed for the partial fulfillment of the academic condition laid down by Savitribai Phule Pune University Pune by, Ms. Jagruti Sandeep Dumbre, Ms. Shreya Dattatray Dorge, Ms. Nikita Nana Gaikwad, students of B.Pharm 8th semester during year of 2023-2024 has carried out their Practice school project satisfactorily under the guidance of Dr. Amit Kasabe Assistant Professor Department of Pharaceutical Chemisty at Pune District Education Association's Shankarrao Ursal College of Pharmaceutical Sciences And Research Centre Kharadi, Pune.

Date:06 05 2024

Place:- Kharadi



Dr . Ashok Bhosale

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