



**Vivekanand Education Society's College of Pharmacy**  
Hashu Advani Complex, Near Collector's Colony, Chembur (E) Mumbai 400074

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# **M. Pharm Projects Completion**

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**Academic Year**

**2020-21**

**CHALLAN**  
(For D.D.)

Please Accept  
*[Signature]*  
19.2021  
For Finance & Accounts Officer  
University of Mumbai

**BANK OF BARODA, FORT-UNIVERSITY BRANCH, MUMBAI.**

Date: 07-09-2021

**PAY-IN-SLIP**

No. 6775

D.D.	Rs.	P.
No. <u>35317</u>	5010/-	
Date <u>07-09-2021</u>		
Drawn on Bank <u>BANK OF BARODA</u>		
Branch <u>FORT</u>		
No. _____		
Date _____		
Drawn on Bank _____		
Branch _____		

Paid into the credit of the "Finance & Accounts Officer, UNIVERSITY OF MUMBAI" General Fund S/B. A/c. No. 06960100002008 (19430) (Receipts), the sum of Rs. 5010 (Rupees five thousand & Ten Only) (in words) on account of fees, as per detailed below :



*[Signature]*  
**PRINCIPAL**  
Signature and Name of the Director/Principal/  
Head of College/Department,  
Hashu Advani Memorial Complex,  
Collector's Colony, Chembur,  
Mumbai - 400 074, INDIA

Sr. No.	Name of the Students, Exam. and Subject	Reg. No. & Date	Registration Fees	Form Fees	Tuition Fees	Syllabus Fees	Total
			Rs.	Rs.	Rs.	Rs.	Rs.
1	JOSHI NACHIKET M-pharmacy (PHARMACEUTICAL CHEMISTRY)			10		5000	5010/-
Total Rs.				10		5000	

**BANK OF BARODA**  
Fort, University Br.  
- 7 SEP 2021  
**TRANSFER**



*[Signature]*  
**Dr. (Mrs.) Supriya S. Chidhaye**  
**PRINCIPAL**  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

Please Accept  
 30/09/2021  
 Accounts Officer  
 University of Mumbai

**CHALLAN**  
 (For D.D. and Cheque)

**BANK OF BARODA, FORT-UNIVERSITY BRANCH, MUMBAI.**

Date: 30/09/2021 **4268**

**PAY-IN-SLIP** No.

D.D./Cheques	Rs.	P.
No. 353598		
Date 30/09/2021		
Drawn on Bank BANK		
OB. NADODA		
Branch FORT	10000/-	
No.		
Date		
Drawn on Bank		
Branch		

Paid into the credit of the "Finance & Accounts Officer, UNIVERSITY OF MUMBAI" General Fund S/B. A/c. No. 06960100002008 (19430) (Receipts), the sum of Rs. 10,020/- (Rupees TEN THOUSAND AND TWENTY RUPEES ONLY) (in words) on account of fees, as per detailed below



Signature of *[Signature]*  
**PRINCIPAL**  
**VIVEKANAND EDUCATION SOCIETY'S**  
 College of Pharmacy  
 H.A.M.C., Behind Collector Colony, Chembur,  
 Mumbai - 400 074, INDIA

Sr. No.	Name of the Students, Exam. and Subject	Reg. No. & Date	Registra-	Form	Tuition	Synopsis	Late	Total
			tion Fees	Fees	Fees	Fees	Fees	Rs.
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	NIRESH MHAPANKAR			10		5,000		5010
2	DHIRAJ KHAKAL M. PHARMACY (PHARMACUTICAL CHEMISTRY)			10		5,000		5010
Total Rs.								10,020

**BANK OF BARODA**  
 Fort University Br.  
 30 SEP 2021  
**TRANSFER**



*[Signature]*  
**Dr. (Mrs.) Supriya S. Shidhaye**  
**PRINCIPAL**  
 Vivekanand Education Society's  
 College of Pharmacy  
 H.A.M.C., Behind Collector Colony,  
 Chembur, Mumbai - 400 074.

AY. 2019/20

**CHALLAN**  
(For D.D.)

**BANK OF BARODA, FORT-UNIVERSITY BRANCH, MUMBAI.**

Date: 21/9/21

Please Accept  
For Finance & Accounts Officer  
University of Mumbai

**PAY-IN-SLIP**

No. 8434

D.D.	Rs.	P.
No. 358655	15,119/-	
Date 21/9/21		
Drawn on Bank <u>Bank of Baroda</u>		
Branch <u>Mumbai</u>		
No.		
Date		
Drawn on Bank		
Branch		

Paid into the credit of the "Finance & Accounts Officer, UNIVERSITY OF MUMBAI" General Fund S/B. A/c. No. 06960100002008 (19430) (Receipts), the sum of Rs. 15,030 (Rupees FIFTEEN THOUSAND AND THIRTY (In words))

on account of fees, as per detailed below:



**PRINCIPAL**  
**VIVEKANAND EDUCATION SOCIETY'S**  
**College of Pharmacy**

Signature of the Principal / Head of Institution  
Mumbai - 400 074, INDIA

Sr. No.	Name of the Students, Exam. and Subject	Reg. No. & Date	Registration Fees		Tuition Fees	Synopsis Fees	Late Fees	Total
			Rs.	Rs.				
1.	MRUNAL PRASHANT SURVE (M. PHARM, PHARMACEUTICAL CHEMISTRY)			10		5000/-		
2.	POOJA BHAGWAN PATIL (M. PHARM, PHARMACEUTICAL CHEMISTRY)			10		5000/-		
3.	SAYLI ARUNSAWANT (M. PHARM, PHARMACEUTICAL CHEMISTRY)			10		5000/-		
Total Rs.				30		15000		

**BANK OF BARODA**  
For University Br.  
21 SEP 2021  
**TRANSFER**



Dr. (Mrs.) Supriya S. Shidhaye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

AY-2017

P4-M.U.P.-J.R.O./180/10,000X4PP-10-17.

INSTITUTION/COLLEGE COPY

Please Accept  
For Finance & Accounts Officer  
University of Mumbai

CHALLAN  
(For D.D.)

BANK OF BARODA, FORT-UNIVERSITY BRANCH, MUMBAI.

Date: 18/08/2021

PAY-IN-SLIP

No. 8408

D.D.	Rs.	P.
No. 353421	5010	
Date 18/08/2021		
Drawn on Bank Bank of Baroda		
Branch Fort		
No.		
Date		
Drawn on Bank		
Branch		

Paid into the credit of the "Finance & Accounts Officer, UNIVERSITY OF MUMBAI" General Fund S/B. A/c. No. 06960100002008 (19430) (Receipts), the sum of Rs. 5010/- (Rupees Five Thousand & Ten Only) (In words) on account of fees, as per detailed below :



Signature and Stamp of the Principal  
**PRINCIPAL**  
**VIVEKANAND EDUCATION SOCIETY'S**  
 College of Pharmacy  
 Head of College, Pharmacy, Government  
 Mumbai - 400 074, INDIA

Sr. No.	Name of the Students, Exam. and Subject	Reg. No. & Date	Registration Fees	Form Fees	Tuition Fees	Synopsals Fees	Late Fees	Total
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1.	SAMARTH RANGNEKAR Mob No - 9619635264	285 18/08/21		10		5000		5010
Total Rs.								5010

BANK OF BARODA  
 Fort, University Br.  
 18 AUG 2021  
 TRANSFER



Dr. (Mrs.) Supriya S. Shidhaye  
 PRINCIPAL  
 Vivekanand Education Society's  
 College of Pharmacy  
 HAMC, Behind Collector Colony,  
 Chembur, Mumbai - 400 074.

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**Academic Year**  
**2019-20**

STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled "DESIGN, SYNTHESIS AND CHARACTERIZATION OF LEAD MOLECULE FOR POLYCYSTIC OVARIAN SYNDROME" forms my own contribution to the research work carried out under the guidance of Dr. MUSHTAQUE A. S. SHAIKH at the VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY, CHEMBUR EAST. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous works of others, it has been clearly indicated as such and included in the Bibliography.

*Dodani*

DODANI KANCHAN MANOHAR BHAWNA

Certified by



*Sham*

Dr. MUSHTAQUE A. S. SHAIKH

Research Guide,

(Head of Department, Dept. of Pharmaceutical Chemistry)

Vivekanand Education Society's College of Pharmacy,

Hashu Advani Memorial Complex, Behind Collector's Colony,

Chembur, Mumbai- 400074



\*

*SH*  
Dr. (Mrs.) Supriya S. Shidhaye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445. I wish to state that the work embodied in this thesis titled "SYNTHESIS AND BIOLOGICAL EVALUATION OF SOME NEWER COMPOUNDS" forms my own contribution to the research work carried out under the guidance of MRS. SONALI MUNJ at VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY, CHEMBUR EAST. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*Kamte*

**KAMTE DHANASHREE PANDURANG CHHAYA**

Certified by

*Sonali*

**MRS. SONALI MUNJ**

**Research Guide,**

Assistant Professor (Pharmaceutical Chemistry)

Vivekanand Education Society's College of Pharmacy,

Hashu Advani Memorial Complex, Behind Collector Colony,

Chembur, Mumbai- 400074



*MS*  
**Dr. (Mrs.) Supriya S. Shidhaye**  
**PRINCIPAL**  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.



STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "SYNTHESIS AND EVALUATION OF SOME BIOLOGICALLY ACTIVE COMPOUNDS" forms my own contribution to the research work carried out under the guidance of Mrs. Sonali Munj at the Vivekanand Education Society's College of Pharmacy, Mumbai 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*Sawant*

Sawant Shivangi Pradeep Pradnya

Certified by

*Sonali*

Mrs. Sonali Munj



Research Guide,

Assistant Professor (Pharmaceutical Chemistry),

Vivekanand Education Society's College of Pharmacy,

Hashu Advani Memorial Complex,

Behind Collector's Colony, Chembur,

Mumbai- 400074.

Date: 08/07/2021

Place: Mumbai



\*  
*MS*  
Dr. (Mrs.) Supriya S. Shidhaye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

STATEMENT BY THE CANDIDATE.

As required by the University Regulation No. 2445, I wish to state that the work embodied in the thesis titled "DESIGN, DEVELOPMENT AND EVALUATION OF A PHARMACEUTICAL DOSAGE FORM " forms my own contribution to the research work carried out under the guidance of Mrs. HARSHA KATHAPALIA at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and noted in the Bibliography.

*Dhanashri*

AGRE DHANASHRI SHANTARAM SHOBHA

Certified By



*Harsha*

Mr. HARSHA KATHAPALIA

Research Guide,

Asst. Professor of Pharmaceutics,

Vivekanand Education Society's

College of Pharmacy,

Chembur - 400074

Date 22/06/2021

Place: Mumbai

\*



*HS*  
Dr. (Mrs.) Supriya S. Shidhaye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in the thesis titled "DEVELOPMENT OF PHARMACEUTICAL DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. Swati Mittal at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and noted in the Bibliography.

*Folliu*

AHIRE HEMANT VANAJI SANGITA

Certified By



*Swati*  
Dr. SWATI MITTAL

Research Guide,

Asst. Professor of Pharmaceutics,

Vivekanand Education Society's

College of Pharmacy,

Chembur - 400074

Date *28/06/2021*

Place: Mumbai

*✶*



*Supriya S. Shidhaye*  
Dr. (Mrs.) Supriya S. Shidhaye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.



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## DECLARATION BY THE CANDIDATE

As required by University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "**DESIGN AND DEVELOPMENT OF MODIFIED RELEASE DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Dr. GANGA SRINIVASAN**, at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai – 400074. This work has not been submitted for any other degree of this or any other University. Any reference made to previous work of others, has been clearly indicated as such and included in the bibliography.



FARZEEN ZAFARUL AHMAD

Certified By –




**Dr. GANGA SRINIVASAN**

Research Guide – HOD and Professor  
(Department of Pharmaceutics)  
Vivekanand Education Society's College of Pharmacy  
(Affiliated to the University of Mumbai),  
Chembur (east), Mumbai – 400 074.

Date: 24.05.2021

Place: MUMBAI



**Dr. (Mrs.) Supriya S. Shidhaye**  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "DESIGN AND DEVELOPMENT OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*Mohata*

Mr. MOHATA SANKET ANIL KUMAR

Certified By

*Rajashree*

Dr. (Mrs.) Rajashree S. Hirlekar

Research Guide,

Head of Department (Quality Assurance),

Vivekanand Education Society's College of Pharmacy, Hashu

Advani Memorial Complex,

Collector's Colony, Chembur,

Mumbai - 400 074

Date: 26 July 2021

Place: Mumbai



*A* *HS*  
Dr. (Mrs.) Supriya S. Shidhaye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
AMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

## STATEMENT BY THE CANDIDATE

As required by the University Regulation No.: R. 2445, I wish to state that the work embodied in this thesis titled "STUDY OF POLYMERS IN DEVELOPMENT OF CONTROLLED DRUG DELIVERY SYSTEMS" forms my own contribution to the research work carried out under the guidance of DR. (MRS.) SUPRIYA S. SHIDHAYE at Vivekanand Education Society's College of Pharmacy, Mumbai 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*Swaroop*

PANSARE SWAROOP JALANDAR SUNITA

Certified by

*Supriya S. Shidhaye*



DR. (MRS.) SUPRIYA S. SHIDHAYE

Research Guide,

Principal and Professor (Pharmaceutics),

Vivekanand Education Society's College of Pharmacy,

Hashu Advani Memorial Complex, Behind Collector's Colony,

Chembur, Mumbai- 400074.

Date: 24/05/2021

Place: MUMBAI



*Supriya S. Shidhaye*  
Dr. (Mrs.) Supriya S. Shidhaye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled “**DESIGN, OPTIMIZATION AND EVALUATION OF NANOPARTICULATE SYSTEM**” forms my own contribution to the research work carried out under the guidance of **Dr. (Mrs.) Supriya S. Shidhaye** at **Vivekanand Education Society’s College of Pharmacy**, Mumbai 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*Phatak*

Phatak Kshitija Milind Shailaja

Certified by

*Supriya S. Shidhaye*



**Dr. (Mrs.) Supriya S. Shidhaye**

**Research Guide,**

Principal and Professor (Pharmaceutics),

Vivekanand Education Society’s College of Pharmacy,

Hashu Advani Memorial Complex,

Behind Collector’s Colony, Chembur,

Mumbai- 400074.

Date: 24/05/2021

Place: MUMBAI

*MS*

*MS*



**Dr. (Mrs.) Supriya S. Shidhaye**  
**PRINCIPAL**  
**Vivekanand Education Society’s**  
**College of Pharmacy**  
**HAMC, Behind Collector Colony,**  
**Chembur, Mumbai - 400 074.**

STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled "FORMULATION DEVELOPMENT AND ANALYTICAL METHOD DEVELOPMENT FOR ACTIVES OF NATURAL ORIGIN USING QbD BASED APPROACH" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) SUPRIYA S. SHIDHAYE, Principal and Professor at VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY, Chembur, Mumbai 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

YASHICA CHANDRAKANT SHAH

Certified by,



Dr. (Mrs.) SUPRIYA S. SHIDHAYE

RESEARCH GUIDE

Principal and Professor (Pharmaceutics)

Vivekanand Education Society's College of Pharmacy,

Hashu Advani Memorial Complex,

Behind Collector's Colony, Chembur,

Mumbai - 400074.

Date: 24 MAY 2021

Place: MUMBAI



Dr. (Mrs.) Supriya S. Shidhaye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled "DESIGN AND OPTIMIZATION OF SUSTAINED RELEASE SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Ganga.Srinivasan at Vivekanand Education Society's College of Pharmacy, Mumbai 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



*Shetty*

Shetty Pradnya Prakash

Certified by:

*S. Ganga*

Dr. (Mrs.) Ganga.Srinivasan

Research Guide,

HOD and Professor (Pharmaceutics),

Vivekanand Education Society's College of Pharmacy,

Hashu Advani Memorial Complex,

Behind Collector's Colony,

Chembur, Mumbai- 400074.

Date: 24 July 2021

Place: Mumbai



*Shidhiye*  
Dr. (Mrs.) Supriya S. Shidhiye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074

STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "DESIGN AND FORMULATION OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the Vivekanand Education Society's College of Pharmacy, Mumbai-400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*Shetye*

Ms. Shetye Rutika Vikas

Certified By

*R. Hirlekar*



**Dr. (Mrs.) Rajashree S. Hirlekar**

**Research Guide,**

Head of Department (Quality Assurance),

Vivekanand Education Society's College of Pharmacy,

Hashu Advani Memorial Complex,

Collector's Colony, Chembur,

Mumbai - 400 074

Date: 24/05/2021

Place: Mumbai



*HS*  
**Dr. (Mrs.) Supriya S. Shidhaye**  
**PRINCIPAL**  
**Vivekanand Education Society's**  
**College of Pharmacy**  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

*4*

STATEMENT BY THE CANDIDATE

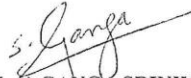
As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "FORMULATION, DEVELOPMENT AND EVALUATION OF DOSAGE FORM" forms my own contribution to the research work carried out under the guidance of DR.(MRS.) GANGA SRINIVASAN, at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai- 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



YADAV SACHIN RAJMANI JADAVATI

Candidate

Certified By:



Dr. (Mrs.) GANGA SRINIVASAN

Research Guide

HOD and Professor

(Department of Pharmaceutics)

Vivekanand Education Society's College of Pharmacy

Chembur, Mumbai-400 074

Date: 07/07/2021

Place: Mumbai

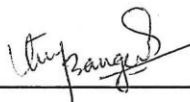


Dr. (Mrs.) Supriya S. Shidhaye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.



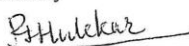
**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "DEVELOPMENT AND OPTIMIZATION OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



Ms. BANGERA VINI RAMESH RITA

Certified By



Dr. (Mrs.) Rajashree S. Hirlekar

Research Guide,

Head of Department (Quality Assurance),

Vivekanand Education Society's College of Pharmacy,

Hashu Advani Memorial Complex,


Collector's Colony,

Chembur, Mumbai -400074

Date: 6<sup>th</sup> July, 2021.

Place: Mumbai



  
Dr. (Mrs.) Supriya S. Shidhaye  
PRINCIPAL  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445. I wish to state that the work embodied in this thesis titled "**DESIGN, DEVELOPMENT AND EVALUATION OF A MULTIPARTICULATE DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Dr. ANITA PANDURANG AYRE** at **VIVEKANAND EDUCATION SOCIETY'S COLLEGE, CHEMBUR EAST**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*YH Grada*

**Mr. Gada Yash Hiren Usha**

Certified by:

*Anita*



**Dr. Anita Ayre**

**Research Guide**

(Associate Professor, Department of Quality Assurance)

Vivekanand Education Society's College of Pharmacy,

Hashu Advani Memorial Complex, Behind Collector's Colony,

Chembur, Mumbai- 400074

**Date:** *24/05/2021*

**Place:** Mumbai



*SH*  
**Dr. (Mrs.) Shriya S. Shidhaye**  
**PRINCIPAL**  
Vivekanand Education Society's  
College of Pharmacy  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445. I wish to state that the work embodied in this thesis titled "Estimation of a drug from biological fluids using a suitable analytical tool" forms my own contribution to the research work carried out under the guidance of **Dr. ANITA PANDURANG AYRE** at VIVEKANAND EDUCATION SOCIETY'S COLLEGE, CHEMBUR WEST. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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Signature of the Guide

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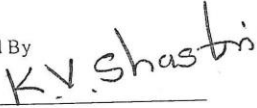
STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "FORMULATION, DESIGN, DEVELOPMENT AND IT'S EVALUATION" forms my own contribution to the research work carried out under the guidance of MR KEYUR V. SHASTRI, at the Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "DEVELOPMENT AND STANDARDIZATION OF FORMULATION (HERBAL DRUGS) FROM NATURAL SOURCES" forms my own contribution to the research work carried out under the guidance of Mrs. Vidhi J. Bhatia, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled "DESIGN, FABRICATION AND EVALUATION OF FORMULATION" forms my own contribution to the research work carried out under the guidance of Mr Keyur V. Shastri at Vivekanand Education Society's College of Pharmacy, Mumbai 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445. I wish to state that the work embodied in this thesis titled "MONITORING AND CONTROL OF VARIABLES INVOLVED IN THE MANUFACTURING OF A PHARMACEUTICAL DOSAGE FORM" forms my own contribution to the research work carried out under the guidance of Dr. ANITA PANDURANG AYRE at VIVEKANAND EDUCATION SOCIETY'S COLLEGE, CHEMBUR EAST. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, " **DESIGN AND OPTIMIZATION OF HERBAL DRUGS (FORMULATION) FROM NATURAL SOURCES** " forms my own contribution to the research work carried out under the guidance of **Mrs. Vidhi J. Bhatia**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled "DEVELOPMENT OF FORMULATION FROM NATURAL SOURCES" forms my own contribution to the research work carried out under the guidance of Mrs. Vidhi Bhatia at Vivekanand Education Society's College of Pharmacy, Mumbai 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled "PRELIMINARY PHYTOCHEMICAL SCREENING OF HERBAL PLANT" forms my own contribution to the research work carried out under the guidance of MR. OJASKUMAR D. AGRAWAL at the VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY, CHEMBUR EAST. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous works of others, it has been clearly indicated as such and included in the Bibliography.



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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled "FORMULATION AND OPTIMIZATION OF MODIFIED RELEASE DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of DR. GANGA SRINIVASAN at Vivekanand Education Society's College of Pharmacy, Mumbai 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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**Academic Year**  
**2018-19**

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As required by the University Regulation no. 2445, I wish to state that the work embodied in this thesis titled, "Studies On Newer Bioactive Molecules" forms my own contribution to the research work carried out under the guidance of **Dr. Rakesh Somani**, at the VES College Of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the References.



**Miss Gangthade Monali Dasharath**

**Certified by**



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Professor and HOD (Department of Pharmaceutical Chemistry),

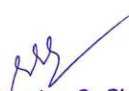
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As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled "SYNTHESIS OF SOME BIOLOGICALLY POTENT COMPOUNDS" forms my own contribution to the research work carried out under the guidance of Dr. Sandip Zine at Vivekanand Educational Society's College of Pharmacy, Chembur(E), Mumbai- 400074. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

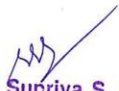
  
Mr. PATIL SHIVANAND DILEEP

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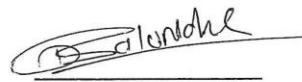
**Dr. Sandip Zine**  
**Research Guide**  
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**STATEMENT BY THE CANDIDATE**

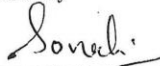
As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "STUDIES ON BIOLOGICAL ACTIVE COMPOUNDS" forms my own contribution to the research work carried out under the guidance of Mrs. SONALI MUNJ at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of others, it has been clearly indicated as such and include in Bibliography.



Signature of the candidate

Ms. SALUNKHE DIPALI BALU

Certified By

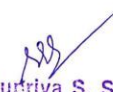


Mrs. SONALI MUNJ  
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Chembur, Mumbai-400074

Date: 2018/2019

Place: Mumbai



  
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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation no. 2445, I wish to state that the work embodied in this thesis titled, "**Synthesis, characterization and pharmacological evaluation of newer heterocyclic compounds**" forms my own contribution to the research work carried out under the guidance of **Dr. Rakesh Somani**, at the VES College Of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the References.



**Miss Shirke Monika Kumar**

**Certified by**



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Date: 13.8.19

Place: Mumbai



  
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**College of Pharmacy**  
HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.



STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "DESIGN, DEVELOPMENT AND OPTIMISATION OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of DR. (MRS.) SWATI MITTAL, at the Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 74. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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DHAGE PRANITA VINAYAK SANDHYA

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*Swati*

DR. (MRS.) SWATI MITTAL

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Date: 16/08/2019

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Chembur, Mumbai - 400 074.

STATEMENT BY THE CANDIDATE

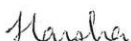
As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "**DESIGN, FORMULATION AND EVALUATION OF DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Mrs. HARSHA KATHPALIA** at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of others, it has been clearly indicated as such and include in Bibliography.



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**Mrs. HARSHA KATHPALIA**

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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION, DEVELOPMENT AND EVALUATION OF DRUG DELIVERY SYSTEM**" is my own contribution to the research work carried out under the guidance of **Dr.(Mrs.) Rajashree S. Hirlekar**, at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "FORMULATION, DEVELOPMENT AND EVALUATION OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Mrs. HARSHA KATHPALIA at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of others, it has been clearly indicated as such and include in Bibliography.

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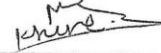


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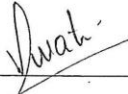
As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "DESIGN, DEVELOPMENT AND OPTIMISATION OF NOVEL FORMULATION " forms my own contribution to the research work carried out under the guidance of Dr. SWATI MITTAL, at the Vivekananda education society's college of pharmacy, Mumbai. This work not has been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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Signature of research Guide

Dr. Swati Mittal

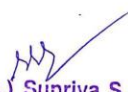
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As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "FORMULATION, DEVELOPMENT AND EVALUATION OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of DR. (MRS.) SWATI MITTAL, at the Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 74. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled "FORMULATION DEVELOPMENT OF MODIFIED RELEASE DOSAGE FORM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Ganga Srinivasan at Vivekanand Education Society's College of Pharmacy, Mumbai 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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Chembur, Mumbai - 400 074.

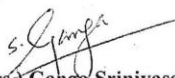
**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled **“DESIGN AND DEVELOPMENT OF MODIFIED RELEASE DOSAGE FORM”** forms my own contribution to the research work carried out under the guidance of **Dr. (Mrs.) Ganga Srinivasan** at **Vivekanand Education Society’s College of Pharmacy, Mumbai 400074**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



**Patel Ashish Rajesh Pramila**

Certified by



**Dr. (Mrs.) Ganga Srinivasan**

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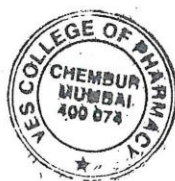
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Chembur, Mumbai - 400 074.

**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "FORMULATION AND DEVELOPMENT OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



Ms. Salunkhe Akshada Shashikant

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**Dr. (Mrs.) Rajashree S. Hirlekar**

**Research Guide,**

Head of Department (Quality Assurance),

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Date: 16/8/2019

Place: Mumbai



  
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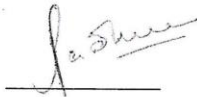
**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled "STUDIES ON DISSOLUTION ENHANCEMENT METHOD" forms my own contribution to the research work carried out under the guidance of DR. SAMEER PADHYE at VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of other, it has been clearly indicated as such and included in the Bibliography.



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Shahbaz Ahmed Shakeel Ahmed



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Signature of Guide

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Date: 23/08/2019

Place: Mumbai



  
Dr. (Mrs.) Supriya S. Shidhaye  
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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled "DESIGN DEVELOPMENT AND STANDARDIZATION OF NOVEL DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Supriya S. Shidhaye at Vivekanand Education Society's College of Pharmacy, Mumbai 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*Shivali Hargovind Jyoti*

Tank Shivali Hargovind Jyoti

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*ssshidhaye*

**Dr. (Mrs.) Supriya S. Shidhaye**  
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*ms*  
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**STATEMENT BY THE CANDIDATE**

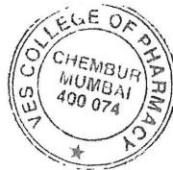
As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "DESIGN AND EVALUATION OF SUSTAINED RELEASE SYSTEM" forms my own contribution to the research work carried out under the guidance of **DR. SAMEER PADHYE** at **Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai-400074**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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**Chembur, Mumbai - 400 074.**

STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled "STRATEGIC APPROACH ON THE DEVELOPMENT OF NOVEL DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. Gaurav Doshi at Vivekanand Educational Society's College of Pharmacy, Chembur(E), Mumbai-400074. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of other, it has been clearly indicated as such and noted in references.

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Ms. AKANKSHA DILIP BADGUJAR

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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled "APPLICATION OF AN ANALYTICAL METHOD FOR ESTIMATION OF A DRUG FROM BIOLOGICAL FLUID" forms my own contribution to the research work carried out under the guidance of DR. ANITA AYRE at VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY, CHEMBUR 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of other, it has been clearly indicated as such and included in the Bibliography.

*Dhamale*

Signature of candidate

**Dhamale Tanmayee Vilas Manjiri**

*Anita Ayre*

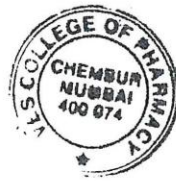
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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "**DEVELOPMENT AND EVALUATION OF A FORMULATION**" forms my own contribution to the research work carried out under the guidance of Mr. Ojaskumar D. Agrawal at Vivekanand Education Society's college of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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**Ms. Hangekar Mayuri Pramod**

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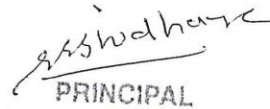
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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "**DEVELOPMENT AND EVALUATION OF A FORMULATION**" forms my own contribution to the research work carried out under the guidance of **Mrs. ASHWINI S. WANI** at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other university. Whenever references made to previous work of others, it has been clearly indicated as such and noted in references.



**Ms. MAYURI VASANT JAIN**

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**Mrs. ASHWINI S. WANI**

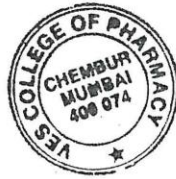
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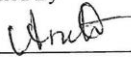
As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "APPLICATION OF QUALITY BY DESIGN PRINCIPLES IN FORMULATION DEVELOPMENT OF A COMPOUND" forms my own contribution to the research work carried out under the guidance of DR. ANITA AYRE, at the Vivekanand Education Society's College of Pharmacy, CHEMBUR. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "**DESIGN AND DEVELOPMENT OF FORMULATION**" forms my own contribution to the research work carried out under the guidance of **Mrs. VIDHI BHATIA** at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of others, it has been clearly indicated as such and include in Bibliography.



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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445. I wish to state that the work embodied in this thesis titled "DEVELOPMENT AND VALIDATION OF A BIOANALYTICAL METHOD FOR A DRUG" forms my own contribution to the research work carried out under the guidance of Dr. ANITA PANDURANG AYRE at VIVEKANAND EDUCATION SOCIETY'S COLLEGE, CHEMBUR WEST. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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**MODAK MAYUR KISHOR**

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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "FORMULATION, DEVELOPMENT AND OPTIMISATION OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



Ms. Patil Snehal Vilas Kalpana

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STATEMENT BY THE CANDIDTE

As required by the University Regulation No: R.2445, I wish to state that the work embodied in this thesis titled, "FORMULATION DEVELOPMENT AND EVALUATION OF ORAL DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. Swati Mittal, at the Vivekananda education society's college of pharmacy, chembur 400 074, Mumbai. This work not has been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*Supriya*

Ms. Pawar supriya Sambhaji Surekha

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*Swati*

Dr. Swati Mittal

Assistant professor Pharmaceutics

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*Supriya S. Shidhaye*  
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Chembur, Mumbai - 400 074.

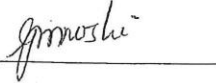
**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled "Design, Development and Evaluation of pharmaceutical dosage form" forms my own contribution to the research work carried out under the guidance of Dr. Gaurav Doshi at Vivekanand Educational Society's College of Pharmacy, Chembur(E), Mumbai- 400074. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of other, it has been clearly indicated as such and noted in Bibliography.



Miss Shinde Sneha Dattatray

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**Dr. GAURAV DOSHI**

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**Academic Year**

**2017-18**



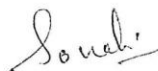
**STATEMENT BY THE CANDIDATE**

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**SYNTHESIS OF SOME BIOLOGICALLY ACTIVE COMPOUNDS**" forms my own contribution to the research work carried out under the guidance of **Mrs. Sonali Munj**, at **Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai-400074**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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**Place:** Mumbai



  
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## STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "**DESIGN AND SYNTHESIS OF BIOACTIVE MOLECULES**" forms my own contribution to the research work carried out under the guidance of **Dr. Sandip Zine**, at the **Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous works of others, it has been clearly indicated as such and included in the Bibliography.



**Ms. PATANKAR SHWETA ANAND ASHWINI**

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**Chembur, Mumbai - 400 074.**

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As required by the University Regulation number 2445. I wish to state that the work embodied in this thesis titled "SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF HETEROCYCLIC COMPOUNDS" is my own contribution to the research work and carried out under the guidance of Dr. Sandip Zine (Assistant professor) at Vivekanand education society's college of pharmacy, chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other University. Whenever references have been made to the previous work of others, It has been clearly indicated as such and included in the Bibliography.



Raopati Sushmita Sudhakar Varsha

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Dr. (Mrs.)  Supriya S. Shidhaye  
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**STATEMENT BY THE CANDIDATE**

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "FORMULATION DEVELOPMENT AND EVALUATION" forms my own contribution to the research work carried out under the guidance of Mr. Keyur V Shastri, at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai-400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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*KV Shastri*

Mr. Keyur V Shastri

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Chembur, Mumbai - 400 074.

**STATEMENT BY THE CANDIDATE**

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**STUDY OF PHARMACOLOGICAL ACTIVITY OF SOME SYNTHETIC COMPOUND**" forms my own contribution to the research work carried out under the guidance of **Mrs. Gayatri Aggarwal**, at **Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai-400074**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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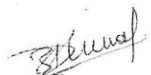
**Place:** Mumbai



  
**Dr. (Mrs.) Supriya S. Shidhaye**  
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**STATEMENT BY THE CANDIDATE**

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**DEVELOPMENT AND STANDARDISATION OF A FORMULATION**" forms my own contribution to the research work carried out under the guidance of **Mrs. Vidhi J. Bhatia**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



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**Mrs. VIDHI J. BHATIA**

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Assistant Professor


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**Chembur, Mumbai - 400 074.**

# CERTIFICATE

## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, " CHROMATOGRAPHIC TECHNIQUES FOR AN API" forms my own contribution to the research work carried out under the guidance of Mr. Ojaskumar Agrawal, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

*Jagadale*

Ms. Jagadale Shweta Narayan

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*Ojaskumar*

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STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, " **TO STUDY PHARMACOLOGICAL ACTIVITIES OF SOME INVESTIGATIONAL DRUGS**" forms my own contribution to the research work carried out under the guidance of **Mrs. Gayatri Aggarwal**, at **Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai-400074**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



Mr. Kamble Sandeep Ananda Rukmini

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HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.



**STATEMENT BY THE CANDIDATE**

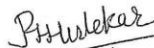
As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION AND DEVELOPMENT OF A DRUG DELIVERY SYSTEM FOR SOME DRUGS**" forms my own contribution to the research work carried out under the guidance of **Dr. (Mrs.) Rajashree S. Hirlekar**, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous works of others, it has been clearly indicated as such and included in the Bibliography.



Signature of Candidate

**Miss. Kamble Swapnali Deepak Deepika**

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Signature of Guide

**Dr. (Mrs.) Rajashree S. Hirlekar**

Professor of Pharmaceutics


Vivekanand Education Society's College of Pharmacy,

Chembur, Mumbai- 400 074

Date: 13/08/2018

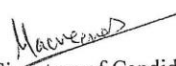
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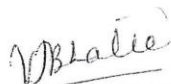
**STATEMENT BY THE CANDIDATE**

As required by University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "**DESIGN, DEVELOPMENT AND EVALUATION OF FORMULATION**" forms my own contribution to the research work carried out under the guidance of **Mrs. Vidhi J. Bhatia**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

  
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
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As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "METHOD DEVELOPMENT AND VALIDATION FOR AN API USING HPLC" forms my own contribution to the research work carried out under the guidance of Mrs. Ashwini Wani, at the Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous works of others, it has been clearly indicated as such and included in the Bibliography.



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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled "FORMULATION, DESIGNING AND EVALUATION OF PLANTS FROM APOCYNACEAE FAMILY" forms my own contribution to the research work carried out under the guidance of Dr. Gaurav Doshi at Vivekanand Educational Society's College of Pharmacy, Chembur (E), Mumbai- 400074. This work has not been submitted for any other degree of this or any other university. Whenever references made to previous work of others, it has been clearly indicated as such and noted in references.

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## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**SCREENING OF ANNONACEAE FAMILY OF PLANTS FOR IMMUNOMODULATORY PERSPECTIVE**" forms my own contribution to the research work carried out under the guidance of **Dr. Gaurav Doshi**, at **Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074**. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the references.

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**STATEMENT BY THE CANDIDATE**

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**DESIGN, DEVELOPMENT OF FORMULATION AND ITS EVALUATION**" forms my own contribution to the research work carried out under the guidance of **Mr. Keyur V Shastri**, at **Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai-400074**. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "**FORMULATION AND IN-VITRO EVALUATION OF MODIFIED RELEASE DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Dr. (Mrs.) Ganga Srinivasan** at **Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai- 400074**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "STUDIES ON SUSTAINED RELEASE SYSTEMS" forms my own contribution to the research work carried out under the guidance of Dr. SAMEER PADHYE at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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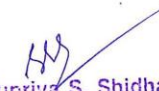
Vivekanand Education Society's College of Pharmacy,

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Date: 30-07-2018

Place: Mumbai



  
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As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**DESIGN AND DEVELOPMENT OF MODIFIED RELEASE DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **DR.(MRS.)GANGA SRINIVASAN**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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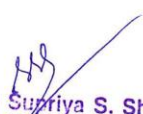
Vivekanand Education Society's College of Pharmacy

Chembur, Mumbai-400 074

Date: 06/08/2018

Place: Mumbai



  
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As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**DESIGN, DEVELOPMENT AND EVALUATION OF DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **DR. SWATI MITTAL**, at **Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai-400074**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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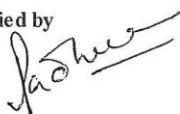
**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "DESIGN AND DEVELOPMENT OF PARTICULATE DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. SAMEER PADHYE at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.




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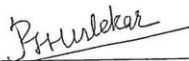
## STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled “**FORMULATION AND EVALUATION OF DRUG DELIVERY SYSTEM**” forms my own contribution to the research work carried out under the guidance of **Dr. (Mrs.) Rajashree S. Hirlekar**, at Vivekanand Education Society’s College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and noted in the bibliography.



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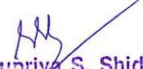
Collector’s Colony, Chembur,

Mumbai – 400074

Date: 31/07/2018

Place: Mumbai



  
**Dr. (Mrs.) Supriya S. Shidhaye**  
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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "**FORMULATION, DEVELOPMENT AND OPTIMISATION OF MODIFIED RELEASE DOSAGE FORM**" forms my own contribution to the research work carried out under the guidance of **Dr. SAMEER PADHYE** at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai- 400074. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of others, it has been clearly indicated as such and noted in Bibliography.



**RODRIGUES ASHTON JOSEPH KUSUM**

**Candidate**

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**Dr. Sameer Padhye**

**Research Guide**

Assistant Professor

Department of Pharmaceutics

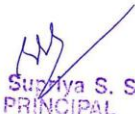
Vivekanand Education Society's College of Pharmacy,

Chembur (E), Mumbai- 400074

Date: 31-7-2019

Place: Mumbai



  
**Dr. (Mrs.) Sushriya S. Shidhaye**  
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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "**FORMULATION DEVELOPMENT AND EVALUATION OF MODIFIED RELEASE DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **DR. (MRS.) GANGA SRINIVASAN** at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai- 400074. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of others, it has been clearly indicated as such and noted in Bibliography.

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**DR. MRS. GANGA SRINIVASAN**

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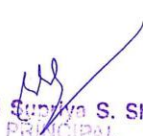
Vivekanand Education Society's College of Pharmacy,

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Date: 06/08/2018

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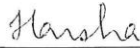
**STATEMENT BY THE CANDIDATE**

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION DEVELOPMENT AND EVALUATION OF PHARMACEUTICAL DOSAGE FORM**" forms my own contribution to the research work carried out under the guidance of **Mrs. Harsha Kathpalia**, at the **Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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**STATEMENT BY THE CANDIDATE**

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION AND EVALUATION OF PHARMACEUTICAL DOSAGE FORM**" forms my own contribution to the research work carried out under the guidance of Mrs. Harsha Kathpalia, at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai-400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled “**DEVELOPMENT AND EVALUATION OF PHARMACEUTICAL DOSAGE FORM**” forms my own contribution to the research work carried out under the guidance of **DR. SWATI MITTAL** at Vivekanand Education Society’s College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous works of others, it has been clearly indicated as such and noted in the Bibliography.



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As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "**DESIGN, DEVELOPMENT AND OPTIMIZATION OF A NOVEL DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Dr. (Mrs.) SUPRIYA S. SHIDHAYE** at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other University. Whenever references made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**DESIGN AND DEVELOPMENT OF DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Dr. (Mrs.) Rajashree S. Hirlekar**, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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**Academic Year**  
**2016-17**


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As required by the University regulation no. R.2445, I wish to state that the work embodied in this thesis titled "STUDIES ON BIOLOGICALLY POTENTIAL COMPOUNDS" forms my own contribution to the research work carried out under the Guidance of Mrs. Sonali Munj, at the VES College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such included in the Bibliography.

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Signature of Guide

**Mrs. Sonali Munj**


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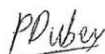
  
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As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**Synthesis of Biologically Active Compounds**" forms my own contribution to the research work carried out under the guidance of **Dr. Sandip Zine**, at the VES College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the References.



Certified by




Miss Dubey Pooja Umakant

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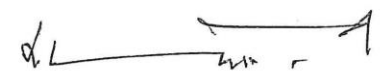


  
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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445. I wish to state that the work embodied in this thesis titled, "DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION OF SOME HETEROCYCLIC COMPOUNDS AGAINST A SELECTED TROPICAL DISEASE" is my own contribution to the research work and carried out under the guidance of Dr. Rakesh R. Somani (Professor and HOD) at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.

  
Kandpile Pooja Sham Rupa

  
Dr. Rakesh R. Somani  
Professor and HOD in Pharmaceutical Chemistry,  
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## STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "SYNTHESIS CHARACTERIZATION AND EVALUATION OF SCHIFF'S BASE MUTUAL PRODRUGS OF NSAID'S", forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Deepali Gangrade, at the VES College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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
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Date: 29/06/2017

Place: Mumbai



  
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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "PREPARATION AND CHARACTERIZATION OF SOME POTENT COMPOUNDS" is my own contribution to the research work and carried out under the guidance of Dr. Sandip Zine (Professor) at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.




Kunchikorve Sarita Kajanna Chanda



Dr. Sandip Zine

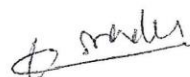
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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "STUDIES ON BIOLOGICALLY POTENTIAL NOVEL COMPOUNDS" forms my own contribution to the research work carried out under the guidance of Dr. Rakesh R. Somani at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and noted in the Bibliography.



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As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "MICROWAVE ASSISTED ORGANIC SYNTHESIS OF SOME BIOLOGICALLY ACTIVE NEWER HETEROCYCLIC COMPOUNDS" is my own contribution to the research work and carried out under the guidance of Dr. Rakesh R. Somani (Professor) at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.

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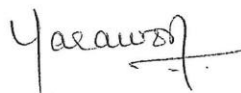
Chembur (E), Mumbai.



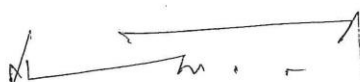
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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**SYNTHESIS AND BIOLOGICAL EVALUATION OF SOME NOVEL COMPOUND**" is my own contribution to the research work and carried out under the guidance of Dr. Rakesh R. Somani, Professor and HOD of Pharmaceutical Chemistry, Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.




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As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "Synthesis & characterization of Flavones/Chalcones", forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Deepali Gangrade, at the VES College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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**Dr.(Mrs.)Deepali Gangrade,**

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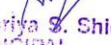
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As required by the University Regulation No. 59/30-09-13, I wish to state that the work embodied in this thesis titled, "SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF SOME COMPOUNDS" is my own contribution to the research work and carried out under the guidance of Mrs. Sonali Munj (Assistant Professor) at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.

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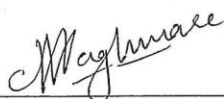
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As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "SYNTHESIS OF POTENTIAL MOLECULES, WITH ITS CHARACTERIZATION AND / OR ITS BIOLOGICAL ACTIVITY EVALUATION" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Deepali Gangrade, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, " DESIGN DEVELOPMENT AND STANDARDISATION OF MODIFIED RELEASE DRUG DELIVERY SYSTEM " forms my own contribution to the research work carried out under the guidance of Dr.( Mrs.) Supriya.S. Shidhaye, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

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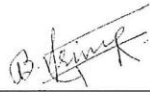


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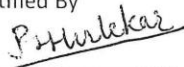
As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "FORMULATION AND EVALUATION OF MODIFIED DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the References.



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As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "DESIGN AND OPTIMIZATION OF PARTICULATE SYSTEMS" forms my own contribution to the research work carried out under the guidance of Dr. Swati Mittal at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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STATEMENT BY THE CANDIDATE**

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, " **DEVELOPMENT AND EVALUATION OF PHARMACEUTICAL DOSAGE FORM** " forms my own contribution to the research work carried out under the guidance of Mrs. Harsha Kathpalia, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

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*Harsha*

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Place: *Mumbai*



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Chembur, Mumbai - 400 074.

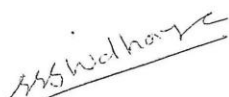
STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R 2445, I wish to state that the work embodied in this thesis titled, 'FORMULATION DEVELOPMENT AND EVALUATION OF MODIFIED RELEASE SYSTEMS' forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Supriya S. Shidhaye, Principal and Professor at Vivekanand College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



Ms. Karishma Mohan Dhuri

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Date: 28<sup>th</sup> JUN 2017

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## STATEMENT BY THE CANDIDATE

As required by University regulation, I wish to state that the work embodied in this Thesis entitled "**FORMULATION DEVELOPMENT AND IN VITRO EVALUATION OF MODIFIED RELEASE DRUG DELIVERY SYSTEM**" from my own contribution to research work carried out under the guidance of Dr. (Mrs.) Ganga Srinivasan (HOD & Professor in Pharmaceutics) at VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



Ms. Bhagyashree Ram Gurav


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#### Research Guide



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As required by the University Regulation No. R 2445, I wish to state that the work embodied in this thesis titled, 'DESIGN AND FORMULATION OF A PHARMACEUTICAL DOSAGE FORM' forms my own contribution to the research work carried out under the guidance of Mrs. Harsha Kathpalia, Assistant Professor at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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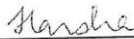
As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "FORMULATION DESIGN AND EVALUATION OF PHARMACEUTICAL DOSAGE FORM" forms my own contribution to the research work carried out under the guidance of Mrs. Harsha Kathpalia, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



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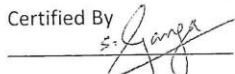
forms my own contribution to the research work carried out under the guidance of Dr. Mrs. Ganga Srinivasan at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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STATEMENT BY THE CANDIDATE

As required by University Regulation No R.2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION AND EVALUATION OF DRUG DELIVERY SYSTEMS FOR ORAL USE**" forms my own contribution to the research work carried out under the guidance of Dr. Swati Mittal, at the Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



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As required by University regulation, I wish to state that the work embodied in this Thesis titled "*DEVELOPMENT AND DESIGN OF MODIFIED RELEASE DRUG DELIVERY SYSTEM*" from my own contribution to research work carried out under the guidance of Dr. (Mrs.) Ganga Srinivasan (HOD & Professor in Pharmaceutics) at VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY. This work has not been submitted for any other degree to this or any other University. Wherever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

LAKSHMI

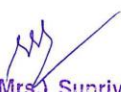
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As required by the University Regulation No.2445, I wish to state that the work embodied in this thesis titled, "DEVELOPMENT AND EVALUATION OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the VES College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the References.



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As required by the University Regulation No.2445, I wish to state that the work embodied in this thesis titled, "FORMULATION DEVELOPMENT AND EVALUATION OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the VES College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the References.

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## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**DEVELOPMENT OF NOVEL DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Dr. SWATI MITTAL**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "*DESIGN, DEVELOPMENT AND EVALUATION OF MODIFIED RELEASE DRUG DELIVERY SYSTEM*" forms my own contribution to the research work carried out under the guidance of **Dr. Swati Mittal** at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and noted in the Bibliography.

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*Swati*

**Dr. SWATI MITTAL**

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Chembur, Mumbai - 400 074.

### **STATEMENT BY THE CANDIDATE**

As required by University regulation, I wish to state that the work embodied in this Thesis entitled "*FORMULATION DEVELOPMENT AND EVALUATION OF SOLID DISPERSION OF POORLY SOLUBLE DRUGS*" from my own contribution to research work carried out under the guidance of Dr. (Mrs.) Rajashree Hirlekar (HOD & Professor in Quality Assurance) at VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

  
Ms. Rajendran Rashmi Sulatha




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Research Guide

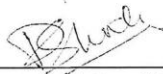
Dr.(Mrs.)Rajashree Hirlekar.  
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Dr. (Mrs.) Supriya S. Shidhaye  
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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R 2445, I wish to state that the work embodied in this thesis titled, "FORMULATION AND EVALUATION OF PHARMACEUTICAL DOSAGE FORM" forms my own contribution to the research work carried out under the guidance of Mrs. Harsha Kathpalia at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



Signature of Candidate

**Ms. SHINDE PRIYANKA DEEPAK SHRADDHA**

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**Mrs. Harsha Kathpalia**

Assistant Professor

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Date: 29/6/17

Place: Mumbai.

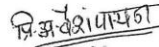


  
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### STATEMENT BY THE CANDIDATE

As required by University regulation, I wish to state that the work embodied in this Thesis entitled "**MODIFIED RELEASE DRUG DELIVERY SYSTEM: FORMULATION AND IN VITRO EVALUATION**" from my own contribution to research work carried out under the guidance of Dr. (Mrs.) Ganga Srinivasan (HOD & Professor in Pharmaceutics) at **VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



Ms. Priyanka A. Vaishampayan

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# CERTIFICATE

## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "DEVELOPMENT AND OPTIMIZATION OF A FORMULATION FOR SOME DRUG" forms my own contribution to the research work carried out under the guidance of Dr. VIVEK NALAWADE, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



**BANKAR RAHUL RAMDAS SUREKHA**

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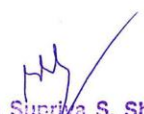


**Dr. VIVEK NALAWADE**

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2A

STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "FORMULATION AND EVALUATION OF DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Mrs. ASHWINI WANI, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*Darshan Ambadas Gampale*

Mr. DARSHAN AMBADAS GAMPALE

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### STATEMENT BY THE CANDIDATE

As required by the university registration No. 2445, I wish to state that the work embodied in this thesis titled "Study of Pharmacological activities of some synthetic compounds" forms my own contribution to the research work carried out under the guidance of Mrs. Gayatri Aggarwal at Vivekanad Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and noted in the bibliography.

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Ms. Shraddha Subhash Gawade

*Shil*  
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Assistant Professor of pharmacology,

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Place: Mumbai.



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# CERTIFICATE

## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, " **Method Development & Validation of Dosage Formulation or API's by Suitable Analytical Techniques** " forms my own contribution to the research work carried out under the guidance of Mrs. Ashwini Wani, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

**GHAG NINAAD CHANDRASHEKHAR**


Certified by



**Mrs. Ashwini Wani**  
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Date: 29/01/2017  
Place: MUMBAI



  
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# CERTIFICATE

## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "DEVELOPMENT, OPTIMIZATION AND VALIDATION OF A STABILITY INDICATING METHOD FOR A DRUG" forms my own contribution to the research work carried out under the guidance of Dr. VIVEK NALAWADE, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

GHODKE VIDULA RAVINDRA PRAMILA

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# CERTIFICATE

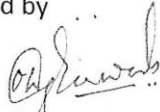
## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "METHOD DEVELOPMENT AND VALIDATION OF API OR DOSAGE FORMULATION BY SUITABLE ANALYTICAL TECHNIQUE" forms my own contribution to the research work carried out under the guidance of Mr. Ojaskumar D. Agrawal, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



**Ms. Gujar Trushna Shankar**

Certified by ..




**Mr. Ojaskumar Agrawal**  
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### STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "DEVELOPMENT OF FORMULATION AND ITS EVALUATION" forms my own contribution to the research work carried out under the guidance of Mr. KEYUR SHASTRI, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

*Kaginkar*

Signature of the candidate

**MR. KAGINKAR VIRAJ SURESH ARUNA**

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*K.V. Shastri*

**Mr. KEYUR SHASTRI**

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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No.2445, I wish to state that the work embodied in this thesis titled "PHARMACOLOGICAL INVESTIGATION OF SELECTED PLANT FROM CUCURBITACEAE FAMILY" forms my own contribution to the research work carried out under the guidance of Dr. Gaurav Doshi at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other university. Whenever references made to previous work of others, it has been clearly indicated as such and noted in references.

---

**MS. KANADE PREETI PRADEEP RAJASHREE**

Certify By



---

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## STATEMENT BY THE CANDIDATE

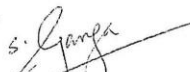
As required by University regulation, I wish to state that the work embodied in this Thesis entitled "**DEVELOPMENT AND OPTIMIZATION OF A MODIFIED DRUG DELIVERY SYSTEM**" from my own contribution to research work carried out under the guidance of Dr. (Mrs.) Ganga Srinivasan (HOD & Professor in Pharmaceutics) at **VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY**. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



Ms. Sagarika Shrikant Kane


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## STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "Design and Optimization of Novel Drug Delivery System" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

Asmatrao

Signature of Candidate

Name: Ms. Khismatrao Ankita Sunil Sandhya

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Rajshree

Signature of Research Guide

Dr. (Mrs.) Rajashree S. Hirlekar

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Place: Mumbai.



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## STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 149/29-09-2015, I wish to state that the work embodied in this thesis titled, "EVALUATION OF PHARMACOLOGICAL ACTIVITIES OF SOME SYNTHESIZED COMPOUNDS" is my own contribution to the research work and carried out under the guidance of Mrs. Gayatri Aggarwal at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.

*Akolambkar*

KOLAMBKAR ASMITA ANAND

*Si mark*

Certified By,

**Mrs. Gayatri Aagarwal**

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Assistant Professor of Pharmacology,

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Chembur (E), Mumbai – 400074

Date: 29/06/2017

Place: Mumbai



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Chembur, Mumbai - 400 074.

### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, " **DESIGN DEVELOPMENT AND OPTIMIZATION OF A NOVEL DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Dr. (Mrs.) Supriya S. Shidhaye**, at the VES College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the References.

*Lulla*

Signature of Candidate

Name: Ms. Lulla Soniya Naresh Jaya

Certified By

*Supriya S. Shidhaye*

Signature of Guide

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Professor of Pharmaceutics & Principal

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Place: Mumbai.



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## STATEMENT BY THE CANDIDATE

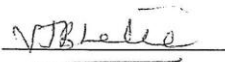
As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**DESIGN AND DEVELOPMENT OF HERBAL FORMULATION**" forms my own contribution to the research work carried out under the guidance of **Mrs. Vidhi J.Bhatia**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



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**Mrs. Vidhi J.Bhatia**

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Assistant Professor

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Date: 29-06-2017

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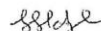


  
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## STATEMENT BY THE CANDIDATE

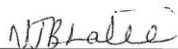
As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**DEVELOPMENT AND EVALUATION OF HERBAL FORMULATION**" forms my own contribution to the research work carried out under the guidance of **MRS. VIDHI BHATIA**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



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**Certified by**



**MRS. VIDHI BHATIA**

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Chembur, Mumbai - 400 074.

### STATEMENT BY THE CANDIDATE

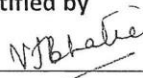
As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**DESIGN, DEVELOPMENT AND EVALUATION OF HERBAL FORMULATION**" forms my own contribution to the research work carried out under the guidance of **Mrs. VIDHI BHATIA**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



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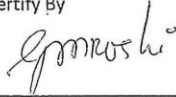


STATEMENT BY THE CANDIDATE

As required by the University Regulation No.2445, I wish to state that the work embodied in this thesis titled "DEVELOPMENT AND EVALUATION OF POLYHERBAL FORMULATION FROM PLANT'S EXTRACT" forms my own contribution to the research work carried out under the guidance of Dr. Gaurav Doshi at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other university. Whenever references made to previous work of others, it has been clearly indicated as such and noted in references.

MS. PATKAR LEENA SURYAKANT SMITALI

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**Dr. Gaurav Doshi**

Research Guide,

Assistant Professor

Department of Pharmacology

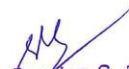
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Chembur-400074

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Chembur, Mumbai - 400 074.

# CERTIFICATE

## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "A STUDY TO DEVELOP AND VALIDATE A STABILITY INDICATING METHOD FOR SOME DRUG" forms my own contribution to the research work carried out under the guidance of Dr. VIVEK V. NALAWADE, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.




SHAIKH MOHD ASHRAF  
MOHD AKHTARUL ISLAM ABEDA BEGUM

Certified by



**Dr. VIVEK NALAWADE**  
Research Guide,  
Professor,  
VES College of Pharmacy,  
Chembur,  
Mumbai - 400 074

Date: 30/7/17  
Place: Mumbai



**Dr. (Mrs.) Supriya S. Shidhaye**  
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Chembur, Mumbai - 400 074.

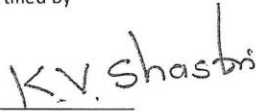
STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "DESIGN, DEVELOPMENT AND EVALUATION OF FORMULATION" forms my own contribution to the research work carried out under the guidance of Mr. Keyur V Shastri (Assistant Professor – Department of Quality Assurance) at Vivekanand Education Society's College of Pharmacy, Chembur (East), Mumbai – 400074. The work described is original and has not been submitted for any other Degree to this or any other University.



Ms. Sonal S. Singh

Certified By




Mr. Keyur V. Shastri,  
Research Guide,  
Assistant Professor,  
Department of Quality Assurance,  
Vivekanand Education Society's College of Pharmacy,  
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Place: Mumbai



  
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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 59/30-09-13, I wish to state that the work embodied in this thesis titled, "DESIGN AND SYNTHESIS OF SOME PHARMACOLOGICALLY ACTIVE COMPOUNDS" is my own contribution to the research work and carried out under the guidance of Dr. Rakesh R. Somani (Professor) at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.




Jain Madhuri Haraklal



Dr. Rakesh R. Somani

Professor in Pharmaceutical Chemistry,  
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As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "SYNTHESIS OF NEW POTENTIAL MOLECULES, CHARACTERIZATION AND / OR ITS BIOLOGICAL ACTIVITY EVALUATION" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Deepali Gangrade, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



Signature of Candidate

Miss. Lad Sayali Dilip Deepali

Certified By



Signature of Guide

Dr. (Mrs.) Deepali Gangrade

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Date: 07/07/2016

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Chembur, Mumbai - 400 074.

### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "SYNTHESIS, CHARACTERIZATION OF NEW CHEMICAL COMPOUND &/OR ITS BIOLOGICAL ACTIVITY DETERMINATION" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Deepali Gangrade, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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**Mr. Mehta Ashish Lailt Sangeeta**

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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "SYNTHESIS OF NEW CHEMICAL MOIETY, IT'S CHARACTERIZATION AND OR BIOLOGICAL ACTIVITY" is my own contribution to the research work and carried out under the guidance of Mrs. DEEPALI M. GANGRADE (Assistant Professor) at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.

  
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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**Design and Synthesis of Biologically Active Compound Against a Neglected Tropical Disease**" forms my own contribution to the research work carried out under the guidance of **Dr. Rakesh R. Somani**, at the VES College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 59/30-09-13, I wish to state that the work embodied in this thesis titled, "SYNTHESIS AND CHARECTERIZATION OF SOME HETEROCYCLIC POTENTIAL COMPOUNDS" is my own contribution to the research work and carried out under the guidance of Mr. Ojas Agrawal (Assistant Professor) at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.



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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 59/30-09-13, I wish to state that the work embodied in this thesis titled, "GREEN SYNTHESIS OF BIOACTIVE HETEROCYCLIC COMPOUNDS" is my own contribution to the research work and carried out under the guidance of Dr. Rakesh R. Somani (Professor) at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.

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Vora Parin Kiran Jasmine

*[Handwritten signature]*

Dr. Rakesh R. Somani

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# CERTIFICATE

## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION DEVELOPMENT AND EVALUATION OF NOVEL DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Dr. SWATI MITTAL**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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**DR. SWATI MITTAL**

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As required by the University Registration No. 2445, I wish to state that the work embodied in this thesis titled, "Design and Evaluation of Drug Delivery System" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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Name: **Ms. Sneha Gajanan Dekate**

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Chembur, Mumbai- 400 074

Date: \_\_\_\_\_

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## STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "FORMULATION DEVELOPMENT AND CHARACTERIZATION OF A MODIFIED RELEASE DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of DR. (Mrs.) SUPRIYA SHIDHAYE at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and noted in the bibliography.

**GANATRA PANKTI ASHWIN CHHAYA**

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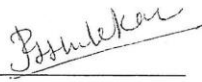
### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION AND EVALUATION OF DRUG DELIVERY SYSTEM**" is my own contribution to the research work and carried out under the guidance of **Dr.(Mrs) Rajashree S. Hirlekar** at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.

  
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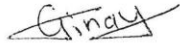
Place: Mumbai



  
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Chembur, Mumbai - 400 074.

**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "FORMULATION AND EVALUATION OF NOVEL DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. Swati Mittal, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "Design and Development of Modified Release Dosage Form" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Ganga S. Srinivasan, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and included in the Bibliography.



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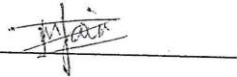
Dr. (Mrs.) Supriya S. Shidhaye  
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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "DESIGN, DEVELOPMENT AND EVALUATION OF DRUG DELIVERY SYSTEM FOR ORAL USE" forms my own contribution to the research work carried out under the guidance of Dr. Swati Mittal, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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# CERTIFICATE

## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION AND DEVELOPMENT OF DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Mrs. Harsha Kathpalia**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

**Khandelwal Shreya Keshav Sangeeta**

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Assistant Professor  
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Date: 6<sup>th</sup> July 2016  
Place: MUMBAI



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# CERTIFICATE

## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION DEVELOPMENT AND OPTIMIZATION OF MODIFIED RELEASE SYSTEM**" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Ganga Srinivasan, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai- 400074. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

  
**LANDGE PRASAD DILIP MANISHA**

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Dr. (Mrs.) Ganga Srinivasan  
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# CERTIFICATE

## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION AND DEVELOPMENT OF PHARMACEUTICAL DOSAGE FORM**" forms my own contribution to the research work carried out under the guidance of **Mrs. Harsha Kathpalia**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

*Aisam*  
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**Mali Shriram Mahadev Suman**

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*Harsha*

**Mrs. Harsha Kathpalia**

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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "**FORMULATION AND EVALUATION OF DRUG DELIVERY SYSTEM**" forms my own contribution to the research work carried out under the guidance of **Mrs. Harsha Kathpalia**, at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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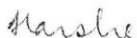
As required by the University Regulation No. R 2445, I wish to state that the work embodied in this thesis titled, "FORMULATION AND EVALUATION OF PHARMACEUTICAL DOSAGE FORM" forms my own contribution to the research work carried out under the guidance of Mrs. HARSHA KATHPALIA at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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Name: Ms. MOTWANI JYOTI PARMANAND NEHA

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Signature of Guide

Mrs. HARSHA KATHPALIA

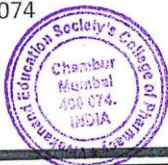
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**STATEMENT BY THE CANDIDATE**

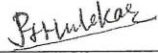
As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "Design and Development of Drug Delivery System" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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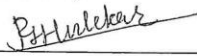
As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "FORMULATION AND EVALUATION OF NOVEL DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Dr. (Mrs.) Rajashree S. Hirlekar, at the VES College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the References.



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Name: Ms. Patankar Renuka Shrikant Smita

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Dr. (Mrs.) Rajashree S. Hirlekar

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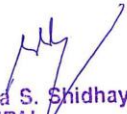
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As required by the University Regulation No. R. 2445, I wish to state that the work embodied in this thesis titled, "Design and Evaluation of Pharmaceutical Dosage" forms my own contribution to the research work carried out under the guidance of **Mrs. Harsha Kathpalia**, at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

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*Harsha*

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**Mrs. Harsha Kathpalia**

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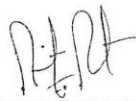
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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "DESIGN, DEVELOPMENT AND EVALUATION OF NOVEL DRUG DELIVERY SYSTEMS" forms my own contribution to the research work carried out under the guidance of Dr. Swati Mittal, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.



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Name: Mr. Raut Amit Dilip Jyoti

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Place: Mumbai.



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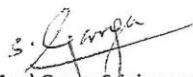
As required by University regulation, I wish to state that the work embodied in this Thesis entitled "FORMULATION AND OPTIMIZATION OF A MODIFIED RELEASE DOSAGE FORM" from my own contribution to research work carried out under the guidance of Dr. (Mrs.) Ganga Srinivasan (HOD & Professor in Pharmaceutics) and Mr. Pankaj Mandpe (Associate Vice President, Micro Labs Ltd. Mumbai). This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



Ms. Nirali Indresh Shah

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#### Research Guide



Dr. (Mrs.) Ganga Srinivasan.

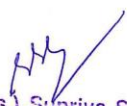
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Mr. Pankaj Mandpe

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STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled, "DEVELOPMENT OF NOVEL DRUG DELIVERY SYSTEM AND ITS EVALUATION" forms my own contribution to the research work carried out under the guidance of Dr. Swati Mittal, at the Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the Bibliography.

*Wankhede*

Signature of Candidate

Name: Ms. Wankhede Komal Vishwanath Kanchan

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*Swati*

Signature of Research Guide

Dr. Swati Mittal

Assistant Professor of Pharmaceutics

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Date: \_\_\_\_\_

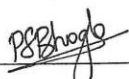
Place: Mumbai.



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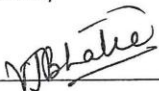
### STATEMENT BY THE CANDIDATE

As required by the University regulation No. 2445, I wish to state that the work embodied in this thesis titled "DESIGN, DEVELOPMENT AND EVALUATION OF HERBAL PRODUCT" forms my own contribution to the research work carried out under the guidance of Mrs. Vidhi J. Bhatia at Vivekanand Education Society's college of Pharmacy, Chembur. This work has not been submitted for any other degree or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and noted in the bibliography



Ms. Bhogle Pallavi Surendra Surekha

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Place: Mumbai



  
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**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "METHOD DEVELOPMENT & VALIDATION OF API OR DOSAGE FORMULATION BY SUITABLE ANALYTICAL TECHNIQUES" forms my own contribution to the research work carried out under the guidance of Mrs. DEEPALI M. GANGRADE at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other university. Whenever references made to previous work of others, it has been clearly indicated as such and noted in references.



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## STATEMENT BY THE CANDIDATE

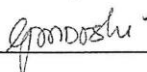
As required by the university regulation no. 2445, I wish to state that the work embodied in this thesis titled, "Anti-cancer activity on selected plant extracts" forms my own contribution to the research work carried out under the guidance of DR.Gaurav Doshi, at the Vivekanand Education Society's College Of Pharmacy, Chembur, Mumbai. This work has not been submitted for any other degree or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



Signature of candidate

(Miss Kajal Haribhai Chavda)

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Dr. Gaurav Doshi

Research Guide,

Assistant Professor

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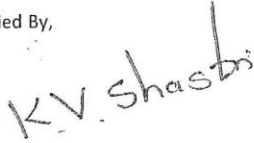
### STATEMENT BY THE CANDIDATE

As required by the university registration No. 2445, I wish to state that the work embodied in this thesis titled "FORMULATION DEVELOPMENT AND IT'S EVALUATION" forms my own contribution to the research work carried out under the guidance of Mr. KEYUR V. SHASTRI at Vivekanad Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and noted in the bibliography.



Mrs. SNEHAL Y. DONGARE

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## STATEMENT BY THE CANDIDATE

As required by the university Regulation No. 59/30-09-13,, I wish to st ate that the work embodied in this thesis titled, "Formulation and Evaluation of Oral drug Delivery System" forms my own contribution to the research work carried out under the guidance of Mrs. Ashwini Wani, at the Vivekanand Education Society's College Of Pharmacy, Chembur, Mumbai. This work has not been submitted for any other degree or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

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Mrs. Ashwini Wani

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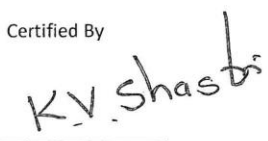
**STATEMENT BY THE CANDIDATE**

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "DEVELOPMENT AND EVALUATION OF FORMULATION" forms my own contribution to the research work carried out under the guidance of Mr. Keyur V Shastri (Assistant Professor) at Vivekanand Education Society's College of Pharmacy, Chembur (E), Mumbai. This work has not been submitted to any other degree of this or any other university. Whenever references have been made to the previous work of others, it has been clearly indicated as such and included in the bibliography.



Ms. Gurjar Sristi Brijlal

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Research Guide,  
Assistant Professor,  
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Chembur (East), Mumbai - 400074

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Place: Mumbai



  
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Chembur, Mumbai - 400 074.

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STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445 , I wish to state that the work embodied in this thesis titled, "METHOD DEVELOPMENT AND VALIDATION OF API OR DOSAGE FORMULATION BY SUITABLE METHODS OF ANALYSIS" forms my own contribution to the research work carried out under the guidance of Mrs. Deepali Gangrade, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

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Kulkarni Priyanka Yashwant

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*Deepali*

Ms. Deepali Gangrade.

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## STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445 , I wish to state that the work embodied in this thesis titled, " **A STUDY FOR DEVELOPMENT AND EVALUATION OF NOVEL DRUG DELIVERY SYSTEM** " forms my own contribution to the research work carried out under the guidance of **Mr. VIVEK NALAWADE**, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the references.



**LOTLIKAR NIKITA MILIND**

Certified By,



Signature of Guide

**Mr. Vivek Nalawade**

Assistant professor


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Date: 30<sup>th</sup> June 2016

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As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "A STUDY TO FORMULATE AND EVALUATE A NOVEL DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Mr. VIVEK NALAWADE at Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and noted in the bibliography.

*Mhadgut*  
MHADGUT ANURADHA RAMAKANT

Certified by

*Vivek Nalawade*

Mr. VIVEK NALAWADE

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Place: Mumbai



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## STATEMENT BY THE CANDIDATE

As required by the university registration No. 2445, I wish to state that the work embodied in this thesis titled "EVALUATION OF PHARMACOLOGICAL ACTIONS OF SOME NEWLY SYNTHESIZED DRUGS" forms my own contribution to the research work carried out under the guidance of Mrs. Gayatri Aggarwalat Vivekanad Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous works of others, it has been clearly indicated as such and noted in the bibliography.

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Mrs. Gayatri Aggarwal

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Date: 30.06.2016

Place: Mumbai.



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### STATEMENT BY THE CANDIDATE

As required by University Regulation No. 2445, I wish to state that the work embodied in this thesis titled, "DEVELOPMENT AND VALIDATION OF STABILITY INDICATING METHOD OF CERTAIN ACTIVE PHARMACEUTICAL INGREDIENTS" forms my own contribution to the research work carried out under the guidance of Mr. Ojaskumar D. Agrawal, at Vivekanand Education Society's College of Pharmacy, Chembur, Mumbai-74. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.

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HAMC, Behind Collector Colony,  
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### STATEMENT BY THE CANDIDATE

As required by the University registration No. 2445, I wish to state that the work embodied in this thesis entitled “**DEVELOPMENT AND STANDARDISATION OF HERBAL FORMULATION**” forms my own contribution to the research work carried out under the able guidance of **Mrs. Vidhi. J. Bhatia**, Vivekanand Education Society's College of Pharmacy, Mumbai. This work has not been submitted for any other degree of this or any other University. Wherever references have been made to previous works of others, it has been clearly indicated as such and noted in the bibliography.



**Malik Purva Nagesh Pratibha**



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Assistant Professor and HOD,  
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Date: 2<sup>nd</sup> July 2016

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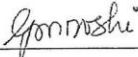
STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "IMMUNOMODULATORY STUDIES ON SELECTED PLANT EXTRACTS" forms my own contribution to the research work carried out under the guidance of Dr. GAURAV MAHESH DOSHI at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other university. Whenever references made to previous work of others, it has been clearly indicated as such and noted in references.



Ms. MANJUSHREE KUNDALIK PAWAR

Certify By




DR. GAURAV MAHESH DOSHI

Research Guide,  
Assistant Professor  
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Vivekanand Education Society's College of Pharmacy  
Chembur-400074

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HAMC, Behind Collector Colony,  
Chembur, Mumbai - 400 074.

### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. R.2445, I wish to state that the work embodied in this thesis titled "DEVELOPMENT AND VALIDATION OF BIOANALYTICAL METHOD" forms my own contribution to the research work carried out under the guidance of Mrs. Gayatri V. Aggarwal at the Vivekanand Education Society's College of Pharmacy, Mumbai-400074. This work has not been submitted for any other degree of this or any other University. Whenever references have been made to previous work of others, it has been clearly indicated as such and included in the bibliography.



Signature of Candidate

Name: Pujare Ashwini Madhukar

Certified By



Signature of Research Guide

Mrs. Gayatri V. Aggarwal


Assistant Professor

V.E.S. College of pharmacy, Mumbai.

Date: 1<sup>st</sup> July 2016

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### STATEMENT BY THE CANDIDATE

As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "DESIGN AND EVALUATION OF NOVEL DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of Mrs. ASHWINI S. WANI at Vivekanand Education Society's College of Pharmacy, Chembur. This work has not been submitted for any other degree of this or any other university. Whenever references made to previous work of others, it has been clearly indicated as such and noted in references.



Mr. SANGHANI CHINTAN RAKESH

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Mrs. ASHWINI S. WANI

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Date: 30<sup>th</sup> June, 2016

Place: Mumbai



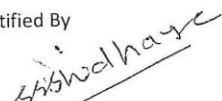
Dr. (Mrs.) Supriya S. Shidhaye  
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As required by the University Regulation No. 2445, I wish to state that the work embodied in this thesis titled "DESIGN, DEVELOPMENT AND STANDARDISATION OF A NOVEL DRUG DELIVERY SYSTEM" forms my own contribution to the research work carried out under the guidance of DR. (MRS.) SUPRIYA SHIDHAYE at Vivekanand Education Society's College of Pharmacy- Mumbai. This work has not been submitted for any other degree of this or any other university. Whenever references have been made to previous work of others, it has been clearly indicated as such and noted in the bibliography

  
SANSARE SAMEERA AJIT MANISHA

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PRINCIPAL AND PROFESSOR IN PHARMACEUTICS

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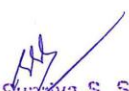
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