

Criterion 3 - Research, Innovations and Extension



CRITERIA III

Key indicator:3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

INDEX

Sr. No.	Ecosystem
1.	1.1 <u>Research and Innovation</u>
	<ul style="list-style-type: none">• <u>Research facilities</u>• <u>Constitution of Research and Innovation Cell from 2018-19 to 2023-24</u>• <u>Research and Innovation Cell Policies</u>• <u>Certificate of Institution Innovation Council</u>• <u>Research center recognition letter</u>• <u>Activities: Minutes of meeting and Research proposals to MODROB, SERB, DST, ASPIRE, Rajiv Gandhi Science and technology commission scheme</u>• <u>Financial Assistance to research students</u>• <u>List of Ph.D students</u>
	1.2 <u>Aavishkar and Indian Pharmaceutical Congress</u>
	1.3 <u>Poster presentation at national /state level conferences</u>
	1.4 <u>Research conferences attended by students</u>
	1.5 <u>NIRF</u>

Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

2.	Indian Knowledge System (IKS)
3	Intellectual Property Right (IPR)
4	Entrepreneur development Cell <ul style="list-style-type: none">• Constitution• Sample of activities
5	Workshops/Seminars/Conferences conducted on Research methodology, Intellectual Property Right and Entrepreneurship



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

Research and Innovation Cell



RESEARCH FACILITIES

Pharmaceutics		Pharmaceutical Chemistry
Extruder-Spheronizer	Aseptic area, All Purpose Equipment	HPLC, HPLC PDA Detector
Lyophilizer,		UV-Visible spectrophotometer,
R and D coater,		Scientific Microwave Oven,
Tablet compression machine,		Fluorimeter
Probe- Sonicator,		Flame photometer,
Dissolution rate test apparatus,		Ultrasonicator,
Deep Freezer,		Polarimeter,
Stability Chamber,		Refractometer
Laminar Air flow unit, All purpose equipment		UV Visible Spectroscopy - Lab India
Pharmacology		Pharmacognosy
Trinocular Microscope,		Rota Evaporator,
Plethysmometer,		Electrophoresis,
Cooling centrifuge,		UV Cabinet,
Pole climbing apparatus,		Muffle furnace/ incinerator,
Analgesimeter,		Microtome,
Projection microscope,		Hot air oven,
Centrifuge,		Moisture balance
Electroconvulsiometer		





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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

Date: 01/07/2018

RESEARCH COMMITTEE 2018-19

Constitution of Research Committee

Sr. No.	Name of faculty	Designation
1	Dr. S. N. Dhole	Principal, Professor, Chairman of the Committee
2	Ms. R. R. Pujari	Asst. Prof., Department of Pharmacology, Member Co-ordinator, Member
3	Dr. (Ms.) V. S. Tambe	Asso. Prof., Head, Department of Pharmaceutical Chemistry, Member
4	Dr. (Ms.) V. S. Kashikar	Asso. Prof., Head, Department of Pharmaceutics, Member
5	Mr. R. R. Chanshetti	Asst. Prof., Head, Department of Pharmacology, Member
6	Ms. M. C. Upadhye	Asst. Prof., Head, Department of Pharmacognosy, Member
7	Dr. K. H. Ramteke	Asso. Prof. Department of Pharmaceutics, M. Pharm. Co-ordinator, Member
8	Dr. N. S. Kulkarni	Asso. Prof., Department of Pharmaceutics, Member
9	Dr. S. D. More	Asst. Prof., Department of Pharmaceutics, Member
10	Dr. U. Y. Kandekar	Asst. Prof., Department of Pharmaceutics, Member
11	Dr. N. D. Galpalli	Industrial Expert/Advisor

Principal

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



Secretary

(Prof. S.S. Deshmukh)
SECRETARY
P. E. Society, Pune

• Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Haveli, Dist. - Pune - 412 105 M.S. (INDIA)
• Tel. 7276078868 Email.: pharמושiwomen@yahoo.com Website.: www.mcpled.edu.org



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Date: 01/07/2018

INNOVATION COMMITTEE 2018-19

Constitution of Innovation Committee

Sr. No.	Name of faculty	Designation
1	Dr. S. N. Dhole	Principal, Professor, Chairman of the Committee
2	Ms. R. R. Pujari	Asst. Prof., Department of Pharmacology, Member Co-ordinator, Member
3	Dr. (Ms.) V. S. Tambe	Asso. Prof., Head, Department of Pharmaceutical Chemistry, Member
4	Dr. (Ms.) V. S. Kashikar	Asso. Prof., Head, Department of Pharmaceutics, Member
5	Mr. R. R. Chanshetti	Asst. Prof., Head, Department of Pharmacology, Member
6	Ms. M. C. Upadhye	Asst. Prof., Head, Department of Pharmacognosy, Member
7	Dr. K. H. Ramteke	Asso. Prof. Department of Pharmaceutics, M. Pharm. Co-ordinator, Member
8	Dr. N. S. Kulkarni	Asso. Prof., Department of Pharmaceutics, Member
9	Dr. S. D. More	Asst. Prof., Department of Pharmaceutics, Member
10	Dr. U. Y. Kandekar	Asst. Prof., Department of Pharmaceutics, Member
11	Dr. N. D. Galpalli	Industrial Expert/Advisor

Principal

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



Secretary

(Prof. S.S. Deshmukh)
SECRETARY
P. E. Society, Pune-5.

• Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Haveli, Dist. - Pune - 412 105 M.S. (INDIA)
• Tel. 7278078868 Email.: pharמושiwomen@yahoo.com Website.: www.mcpled.edu.org



PES MODERN COLLEGE OF PHARMACY

(NAAC Accredited) (FOR LADIES)



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

RESEARCH COMMITTEE 2019-20

Constitution of Research Committee

Sr. No.	Name of faculty	Designation
1	Dr. S. N. Dhole	Principal, Professor, Chairman of the Committee
2	Ms. R. R. Pujari	Asst. Prof., Department of Pharmacology, Member Co-ordinator, Member
3	Dr. (Ms.) V. S. Tambe	Asso. Prof., Head, Department of Pharmaceutical Chemistry, Member
4	Dr. (Ms.) V. S. Kashikar	Asso. Prof., Head, Department of Pharmaceutics, Member
5	Mr. R. R. Chanshetti	Asst. Prof., Head, Department of Pharmacology, Member
6	Ms. M. C. Upadhye	Asst. Prof., Head, Department of Pharmacognosy, Member
7	Dr. K. H. Ramteke	Asso. Prof. Department of Pharmaceutics, M. Pharm. Co-ordinator, Member
8	Dr. N. S. Kulkarni	Asso. Prof., Department of Pharmaceutics, Member
9	Dr. S. D. More	Asst. Prof., Department of Pharmaceutics, Member
10	Dr. U. Y. Kandekar	Asst. Prof., Department of Pharmaceutics, Member
11	Dr. N. D. Galpalli	Industrial Expert/Advisor

Principal

Secretary

(Prof. Dr. S. N. Dhole)

(Prof. S.S. Deshmukh)

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



• Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Haveli, Dist. - Pune - 412 105 M.S. (INDIA)
• Tel. 7276078868 Email.: pharmoshiwomen@yahoo.com Website.: www.mcpled.edu



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

INNOVATION COMMITTEE 2019-20

Constitution of Innovation Committee

Sr. No.	Name of faculty	Designation
1	Dr. S. N. Dhole	Principal, Professor, Chairman of the Committee
2	Ms. R. R. Pujari	Asst. Prof., Department of Pharmacology, Member Co-ordinator, Member
3	Dr. (Ms.) V. S. Tambe	Asso. Prof., Head, Department of Pharmaceutical Chemistry, Member
4	Dr. (Ms.) V. S. Kashikar	Asso. Prof., Head, Department of Pharmaceutics, Member
5	Mr. R. R. Chanshetti	Asst. Prof., Head, Department of Pharmacology, Member
6	Ms. M. C. Upadhye	Asst. Prof., Head, Department of Pharmacognosy, Member
7	Dr. K. H. Ramteke	Asso. Prof. Department of Pharmaceutics, M. Pharm. Co-ordinator, Member
8	Dr. N. S. Kulkarni	Asso. Prof., Department of Pharmaceutics, Member
9	Dr. S. D. More	Asst. Prof., Department of Pharmaceutics, Member
10	Dr. U. Y. Kandekar	Asst. Prof., Department of Pharmaceutics, Member
11	Dr. N. D. Galpalli	Industrial Expert/Advisor

Principal

(Prof. Dr. S. N. Dhole)

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies) -
Borhadewadi, A/P Moshi
Pune - 412105



Secretary

(Prof. S.S. Deshmukh)

Secretary
Progressive Education Society
Pune - 411 005

• Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Havell, Dist. - Pune - 412 105 M.S. (INDIA)
• Tel. 7276078868 Email: pharmoshiwomen@yahoo.com Website: www.mcpl.edu.org



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

RESEARCH COMMITTEE 2020-21

Constitution of Research Committee

Sr. No.	Name of faculty	Designation
1	Dr. S. N. Dhole	Principal, Professor, Chairman of the Committee
2	Dr. (Ms.) R. R. Pujari	Asst. Prof., Department of Pharmacology, Co-ordinator, Member
3	Dr. (Ms.) V. S. Tambe	Prof., Head, Department of Pharmaceutical Chemistry, Member
4	Dr. (Ms.) S. D. More	Asso. Prof., Head, Department of Pharmaceutics, Member
5	Mr. R. R. Chanshetti	Asst. Prof., Head, Department of Pharmacology, Member
6	Ms. M. C. Upadhye	Asst. Prof., Head, Department of Pharmacognosy, Member
7	Dr. N. S. Kulkarni	Asso. Prof., Department of Pharmaceutics, M. Pharm. Co-ordinator (Pharmaceutics), Member
8	Ms. V. S. Vichare	Asst. Prof., Department of Pharmaceutical Chemistry, M. Pharm. Co-ordinator (Quality Assurance), Member
9	Dr. (Ms.) R. L. Mhetre	Asst. Prof., Department of Pharmaceutics, Member
10	Dr. N. D. Galpalli	Industrial Expert/Advisor

Principal

(Prof. Dr. S. N. Dhole)

PRINCIPAL
PES's Modern College of Pharmacy
(For Ladies)
Moshi, PUNE - 412 105.



Secretary

(Prof. S.S. Deshmukh)

SECRETARY
P.E. Society, Pune-67

• Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Haveli, Dist. - Pune - 412 105 M.S. (INDIA)
• Tel. 7276078868 Email.: pharמושiwomen@yahoo.com Website.: www.mcpled.edu



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

INNOVATION COMMITTEE 2020-21

Constitution of Innovation Committee

Sr. No.	Name of faculty	Designation
1	Dr. S. N. Dhole	Principal, Professor, Chairman of the Committee
2	Dr. (Ms.) R. R. Pujari	Asst. Prof., Department of Pharmacology, Co-ordinator, Member
3	Dr. (Ms.) V. S. Tambe	Prof., Head, Department of Pharmaceutical Chemistry, Member
4	Dr. (Ms.) S. D. More	Asso. Prof., Head, Department of Pharmaceutics, Member
5	Mr. R. R. Chanshetti	Asst. Prof., Head, Department of Pharmacology, Member
6	Ms. M. C. Upadhye	Asst. Prof., Head, Department of Pharmacognosy, Member
7	Dr. N. S. Kulkarni	Asso. Prof., Department of Pharmaceutics, M. Pharm. Co-ordinator (Pharmaceutics), Member
8	Ms. V. S. Vichare	Asst. Prof., Department of Pharmaceutical Chemistry, M. Pharm. Co-ordinator (Quality Assurance), Member
9	Dr. (Ms.) R. L. Mhetre	Asst. Prof., Department of Pharmaceutics, Member
10	Dr. N. D. Galpalli	Industrial Expert/Advisor

Principal

(Prof. Dr. S. N. Dhole)

PRINCIPAL

PES's Modern College of Pharmacy
(For Ladies)
Moshi, PUNE - 412 105.



Secretary

(Prof. S.S. Deshmukh)
SECRETARY
P. E. Society, Pune-5.

- Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Havell, Dist. - Pune - 412 105 M.S. (INDIA)
- Tel. 7276078868 Email.: pharmoshiwomen@yahoo.com Website.: www.mcpl.edu.org



PES MODERN COLLEGE OF PHARMACY

(NBA Accredited) (FOR LADIES)



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

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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

NCP/ Let /2021/247 b3

Date :- 30/08/21


RESEARCH COMMITTEE 2021-22

Constitution of Research Committee

Sr. No.	Name of faculty	Designation
1	Dr. S. N. Dhole	Principal, Professor, Chairman of the Committee
2	Mrs. S.R.Chintamani	Asst. Prof., Department of Pharmacology, Co-ordinator, Member
3	Dr. (Ms.) V. S. Tambe	Prof., Head, Department of Pharmaceuti Member
4	Dr. (Ms.) S. D. More	Asso. Prof., Head, Department of Pharmaceutics, Member
5	Mr. R. R. Chanshetti	Asst. Prof., Head, Department of Pharmacology, Member
6	Ms. M. C. Upadhye	Asst. Prof., Head, Department of Pharmacognosy, Member
7	Dr. N. S. Kulkarni	Asso. Prof., Department of Pharmaceutics, M. Pharm. Co-ordinator (Pharmaceutics), Member
8	Ms. V. S. Vichare	Asst. Prof., Department of Pharmaceutical Chemistry, M. Pharm. Co-ordinator (Quality Assurance), Member
9	Dr. (Ms.) R. L. Mhetre	Asst. Prof., Department of Pharmaceutics, Member
10	Dr. N. D. Galpalli	Industrial Expert/Advisor


Principal

(Prof. Dr. S. N. Dhole)


Secretary

(Prof. S.S. Deshmukh)

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



* Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Haveli, Dist. - Pune - 412 105 M.S. (INDIA)
* Tel 7276078888 Email: principal@pesheladies.edu.in



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



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

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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

MCP/let/2021/247 b2

Date :- 30/08/2021

INNOVATION COMMITTEE 2021-22

Constitution of Research Committee

Sr. No.	Name of faculty	Designation
1	Dr. S. N. Dhole	Principal, Professor, Chairman of the Committee
2	Mrs. S.R.Chintamani	Asst. Prof., Department of Pharmacology, Co-ordinator, Member
3	Dr. (Ms.) V. S. Tambe	Prof., Head, Department of Pharmaceutical Chemistry, Member
4	Dr. (Ms.) S. D. More	Asso. Prof., Head, Department of Pharmaceutics Member
5	Mr. R. R. Chanshetti	Asst. Prof., Head, Department of Pha Member
6	Ms. M. C. Upadhye	Asst. Prof., Head, Department of Pharmacognosy, Member
7	Dr. N. S. Kulkarni	Asso. Prof., Department of Pharmaceutics, M. Pharm. Co-ordinator (Pharmaceutics), Member
8	Ms. V. S. Vichare	Asst. Prof., Department of Pharmaceutical Chemistry, M. Pharm. Co-ordinator (Quality Assurance), Member
9	Dr. (Ms.) R. L. Mhetre	Asst. Prof., Department of Pharmaceutics, Member
10	Dr. N. D. Galpalli	Industrial Expert/Advisor

Principal

(Prof. Dr. S. N. Dhole)

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



Secretary

(Prof. S.S. Deshmukh)



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Date: 23/08/2022

INNOVATION, RESEARCH and CONSULTANCY COMMITTEE

2022-23

Constitution

Sr. No	Name of faculty	Designation
1.	Dr. S. N. Dhole	Chairman of the Committee, Principal, Professor
2.	Ms. M.B. Shinde	Coordinator, Asst. Prof., Department of Pharm Chemistry
3.	Dr. (Ms). V. S. Tambe	Member, Prof., Head, Department of Pharm Chemistry
4.	Dr. N.S. Kulkurni	Member, Asso. Prof., Department of Pharmaceutics, M. Pharm Coordinator (Pharmaceutics)
5.	Dr. (Ms). S. D. More	Member, Asso. Prof., Head, Department of Pharmaceutics
6.	Dr. (Ms.) M. C. Upadhye	Member, Asso. Prof., Head, Department of Pharmacognosy
7.	Dr. (Ms.) V. S. Vichare	Member, Asso. Prof. Department of Pharm Chemistry, M. Pharm Coordinator (Pharm. Quality Assurance)
8.	Mr. R. R. Chanshetti	Member, Asst. Prof., Head, Department of Pharmacology
9.	Dr. (Ms). R. L. Mhetre	Member, Asso. Prof., Department of Pharmaceutics
10	Dr. (Ms.) P. B. Kothawade	Member, Asst. Prof., Department of Pharm Chemistry, PhD Coordinator
11	Dr. N. D. Galpalli	Industrial Expert/Advisor


Principal

(Prof. Dr. S. N. Dhole)



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)

Bornhadewadi, Post Moshi, Tal - Haveli, Dist. - Pune - 412 105 M.S. (INDIA)
Talegaon, Dist. Pune - 412105
• Tel. 7276078868 Email: pharmoshiwomen@yahoo.com Website: www.mcpl.edu.org



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



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

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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

INNOVATION, RESEARCH and CONSULTANCY COMMITTEE

2023-24

CONSTITUTION

Sr. No.	Name of Faculty	Designation
1.	Dr. S. N. Dhole	Chairman Principal
2.	Dr. V. S. Tambe	Member Head, Department of Pharm. Chem.
3.	Dr. N. S. Kulkarni	Member M Pharm Co-ordinator (Pharmaceuticals)
4.	Dr. (Ms.) S. D. More	Member Head, Department of Pharmaceutics
5.	Dr. (Ms.) M. C. Upadhye	Member Head, Department of Pharmacognosy
6.	Dr. (Ms.) V. S. Vichare	Member M Pharm Co-ordinator (Pharm Quality Assurance)
7.	Mr. R. R. Chanshetti	Member Head, Department of Pharmacology
8.	Dr. (Ms.) R. L. Mhetre	Member Asso. Prof. Pharmaceutics
9.	Dr. (Ms.) P. B. Kothawade	Member Ph D Co-ordinator
10.	Ms. S. R. Chintamani	Member IPR cell coordinator
11.	Dr. N. D. Galpalli	Member Industry Expert/Advisor
12.	Ms. P. K. Dusane	Co-ordinator Asst. Prof. Pharmaceutics



* Borhadewadi, Dehu - Alandi Road, A/P Moshi, Tal - Haveli, Dist - Pune - 412 105 M.S. (INDIA)
* Tel. 7276078868 Email: pharmoshiwomen@yahoo.com Website: www.mcoiedu.org

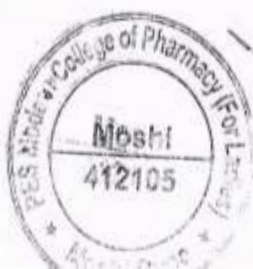


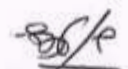
Date: 23/08/2022

INNOVATION, RESEARCH and CONSULTANCY COMMITTEE

POLICY

- All Assistant professors should have minimum one research publication in UGC CARE/ SCOPUS/Web of Science indexed journal.
- All Associate Professors should have two research publications in UGC CARE/ SCOPUS/Web of Science indexed journal (out of which one research publication with impact factor is preferred.)
- A Professor should have three research publications in UGC CARE/ SCOPUS/Web of Science indexed journal (out of which one research publication with impact factor is preferred.)
- One patent application will be considered equivalent to one research paper.
- A Doctorate faculty should apply for one research grant per year.
- A M. pharm research student should publish one research paper publication in UGC CARE/ SCOPUS/Web of Science indexed journal for award of degree.
- A PhD research student should publish two research paper publications in UGC CARE/ SCOPUS/Web of Science indexed journal (out of which one research publication should be with impact factor) for award of degree.
- Research contribution as per above policy will be considered during performance Appraisal Process for the year.
- Depending upon the quality of publication and publication charges financial support will be provided for high quality publications.
- Under the intra-mural research fund, financial support will be provided for hiring charges to the researchers.




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



Date: 31/08/2023

INNOVATION, RESEARCH and CONSULTANCY POLICY

PES Modern College of Pharmacy (for ladies), Moshi, Pune aims at achieving the objectives pertaining to innovations, research initiatives and research productivity. Therefore Innovation, Research and Consultancy policy of this college looks forward to promote and inculcate the research aptitude in faculty and students. The guidelines and provisions of this policy shall demonstrate a continuous commitment for maintenance of high quality research in academic institutes.

Guidelines for Publications:

- All **Assistant professors** should publish minimum **two research publication per academic year** in UGC CARE/ SCOPUS/Web of Science indexed journal.
- All **Associate Professors** should publish **three research publications per academic year** in UGC CARE/ SCOPUS/Web of Science indexed journal (out of which one research publication with impact factor is preferred.)
- A **Professor** should publish **four research publications per academic year** in UGC CARE/ SCOPUS/Web of Science indexed journal (out of which one research publication with impact factor is preferred.)
- Each faculty has to present poster/oral presentation in at least two National/International conference (Abstract book should be published preferably with ISBN no) or book or book chapter with ISBN
- One patent application will be considered equivalent to one research paper.
- A **Doctorate** faculty should apply for **one research grant** per academic year.
- A **M. Pharm** research student should publish **one research/review paper** publication in UGC CARE/ SCOPUS/Web of Science indexed journal for award of degree.
- A **PhD** research student should publish **two research paper** publications in UGC CARE/ SCOPUS/Web of Science indexed journal (out of which one research publication should be with impact factor) and one presentation in National/International conference with publication of conference proceedings for the award of degree.
- Research contribution as per above policy will be considered during performance Appraisal process for the year.
- Under the intra-mural research fund, financial support will be provided for hiring charges to the B Pharm and M Pharm research students.

Guidelines for Consultancy:

- The physical and academic infrastructure of the institute will be made available to provide consultancy to the other academic/research institutes and industry.
- The revenue generated from research consultancy will be shared between the institute and researcher with 60:40 proportions.




PRINCIPAL

S. Modern College of Pharm
(For Ladies)
Borhadewad At/Post-Most



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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





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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

सावित्रीबाई फुले पुणे विद्यापीठ

दूरध्वनी क्रमांक :
०२०-२५६९१२३३
२५६०१२५८
२५६०१२५९



शैक्षणिक विभाग

गणेशखिंड, पुणे-४११ ००७

टेलिग्राफ : 'युनिपुणे'

फॅक्स : ०२०-२५६९१२३३

वेबसाइट : www.unipune.ac.in

ई-मेल : dyracademic@unipune.ac.in

दिनांक : ०७/१०/१४

संदर्भ क्र. : सीए/८३८०

प्रति,

मा. प्राचार्य,

प्रोफेसिन्ड एज्युकेशन सोसायटीचे,

मॉडर्न कॉलेज ऑफ फार्मासी, (फॉर लेडीज)

गुरडैगाडी रोड-आळंदी रोड, मोशी

पुणे-४११०१५

विषय :- संशोधन केंद्राच्या नव्याने मान्यतेबाबत...

महोदय,

उपरोक्त विषयासंदर्भात विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार आपणास कळविण्यात येते की, आपल्या महाविद्यालयात खालील रकान्यात नमूद केलेल्या विषयांच्या पी.एच.डी. संशोधन केंद्राचा नव्याने मान्यतेचा अहवाल दर सहा महिन्याने प्रगती अहवाल (Progress Report) शैक्षणिक विभागात सादर करण्याच्या अटीवर परवानगी देण्यात येत आहे.

अनु. क्र.	विषय	विद्याशाखा	शैक्षणिक वर्ष	मालागर्भी	नव्याने/पुतनीकरण
१.	पी.एच.डी. फार्मास्युटिक्स	फार्मासी	२०१३-१४ ते २०१५-१६	३ वर्षे	नव्याने

बळावे,



आपला,

G. R. Ekbote
२१.१०.२०१४
उपकुलसचिव
for (शैक्षणिक विभाग)

D:/News/memori/Research All File/Letter 10-09-2014



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



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/2002/2004

PARENT SOCIETY - PROGRESSIVE EDUCATION SOCIETY

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

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

२११०१२५८
२११०१२५९
16050104



दस्तावेज : 'उनिपुणे'
फोन : ०२०-२५६९११२३३
वेबसाइट : www.unipune.ac.in
ई-मेल : dyac@unipune.ac.in

दि: ०७/०२/२०१७

संदर्भ क्र.: CV १३७

भा.प्राचार्य/संचालक,
प्रोग्रेसिव एज्युकेशन सोसायटी मॉडर्न कॉलेज ऑफ
फार्मसी मुलीचे पत्ता: बोर्देवादी देहु-आल्मी रोड सोशी
ता.नुकान-हवेली ता.: पिंपरी चिंचवड (महानगर पालिका
हद्द) जि: पुणे

विषय: संशोधन केंद्राच्या नूतनीकरणबाबत...

संदर्भ क्र. :-१) भारतीय राजपत्र क्र.२७८ दि. ५ जुलै २०१६ च्या संशोधन केंद्रा संदर्भात निर्गमित केलेली नियमावली.

२) सीए/३०९३ परिपत्रक क्र.१२२/२०१६ दि. ०३.०८.२०१६

महोदय,

उपरोक्त विषय व संदर्भातील परिपत्रकातील नियमांच्या अधीन राहून विद्यापीठ अधिकार संस्थाने घेतलेल्या निर्णयानुसार आपणास कळविण्यात येते की, आपल्या महाविद्यालयात खालील रकान्यात नमूद केलेल्या विषयांच्या पीएच.डी. संशोधन केंद्राच्या/केंद्राच्या नूतनीकरणास आज्ञ्यता देण्यात येत आहे.

तथापि, संशोधन केंद्राचा खालील बाबींचे अनुपालन करणे आवश्यक आहे.

१) दर राह महिन्याचा पदव्युत्तर संशोधन केंद्राचा प्रगती अहवाल (Progress Report) शैक्षणिक विभागास सादर करणे आवश्यक आहे.

२) खालील नमूद कालावधीसाठी संशोधन केंद्रामध्ये रकान्यात नमूद केलेल्या विषयांचे पीएच.डी. संशोधन मार्गदर्शक असणे आवश्यक आहे.

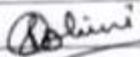
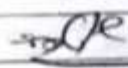
अ.क्र.	अभ्यासक्रमाचा तपशील	विद्ययासाख	शैक्षणिक वर्ष	संलग्नीकरणाचा प्रकार
१	पीएच.डी. फार्मसीयूटिव्हस	औषधनिर्माणाशास्त्र	२०१६-२०१७, २०१७-२०१८, २०१८-२०१९, २०१९-२०२०, २०२०-२०२१,	नूतनीकरण संशोधन

कृपामे,

आपला,

उपकुलसचिव
(शैक्षणिक विभाग)



Comin Page	
Date 01/08/2018	
AGENDA	
All the faculty members are hereby informed that the Research Committee meeting is scheduled on 2/8/2018 at 3:00pm at Principals Cabin.	
Following is the agenda for the meeting :-	
i)	Discussion on invitation for Research Proposals under "Assistance by SPPU for project based innovative research" (ASPIRE) circular.
ii)	Discussion about M. Pharm Admissions for year 2018-19.
iii)	Discussion about PhD admissions for year 2018-19.
iv)	Discussion about PhD guide application criteria.
v)	Discussion on research papers publications.
vi)	Discussion on journal club portfolio.
	 R.R. Pujari Co-ordinator
	 Prof. Dr. S.N. Dhole Chairman





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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

VST	<i>[Signature]</i>
VSK	<i>[Signature]</i>
RRC	<i>[Signature]</i>
MCU	<i>[Signature]</i>
KHR	<i>[Signature]</i> Kramteke
NSK	<i>[Signature]</i>
SDM	<i>[Signature]</i>
UYK	<i>[Signature]</i>
HPA	<i>[Signature]</i>
SVJ	<i>[Signature]</i>
VSV	<i>[Signature]</i>
VAW	<i>[Signature]</i>
MMM	<i>[Signature]</i>
PRJ	<i>[Signature]</i>
DRR	<i>[Signature]</i> Sant:
OMB	<i>[Signature]</i>
Dr. N. D. Chalpalli <i>[Signature]</i>	





Minutes of meeting

- 1) ASPIRE research scheme circular was read out and explained to all the faculty members and the eligibility criteria and guidelines for the same were put forward. The faculty members eligible for the Research Mentoring program and Impact Oriented Research programme were identified.
- 2) Discussion about the M. Pharm admission was carried out and total number of students admitted in M. Pharm for different branches was discussed.
- 3) Discussion about the vacancies and admissions for PhD centre of the college was discussed.
- 4) The eligibility criteria for PhD guide applications was discussed.
- 5) Discussion was done on number of research papers published in year 2017-18 along with requirement of publications in 2018-19.
- 6) Discussion on journal club portfolio was done.





Outcome of Research Meeting

1) After discussion on ASPIRE Research Scheme following faculty members were identified for Research scheme and told to apply for the following schemes

1) Research Mentoring Program

- i) R.R. Pujari
- ii) V. S. Vichane
- iii) M. K. Munde
- iv) P. R. Jadhav

2) Impact Oriented Research Program

- i) B. V. S. Kashikar
- ii) Dr. K. H. Ramteke
- iii) V. S. Tambe
- iv) Dr. N. S. Kulkarni
- v) Dr. S. D. More
- vi) Dr. S. N. Dhole

Palani
Coordinator

Principal
(Chairman)





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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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





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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE-412105

RESEARCH CELL COMMITTEE -2019-20

MEETING -3

AGENDA

Date: 19/09/2019

- Discussion about minutes of meeting of previous meeting
- Discussion regarding the NBA committee Criteria No. V and its requirements.
- Discussion about the status of the publication and presentations of the faculty and students
- Discussion regarding the updation of the information regarding citations of their publications in Scopus, Web of science, google scholar and Orcid.
- Discussion about innovations that can be presented in front of the NBA committee





PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE-412105

RESEARCH CELL COMMITTEE -2019-20

MEETING -3

MINUTES

Date: 28/09/2019

- Minutes of meeting of previous meeting were discussed
- Discussion about the status of research and review articles communicated by the faculty and M. Pharm. students was carried out.
- Discussion regarding the status of M. Pharm and B. Pharm. projects was carried out
- Discussion regarding the NBA committee Criteria No. V and its requirements was carried out. The details of publications, presentations, book or book publication were collected.
- Discussion about the status of the publication and presentations of the faculty and students
- Discussion regarding the updation of the information regarding citations of their publications in Scopus, Web of science, google scholar and Orcid.
- Discussion about innovations that can be presented in front of the NBA committee was carried out. Faculty shared their ideas regarding the same





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



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

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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

Date- 01/01 /2022

NOTICE

All the Research and Innovation committee members are here by informed that online meeting-03 held on Date 01/01 /2022 & Time-1.30 pm in meeting hall.

Kindly note the same

Mrs.S.R.Chintamani

Research & Innovation Cell incharge

Dr. S. N. Dhole

Principal



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



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

Date:01/01/2022

RESEARCH CELL COMMITTEE -2021-22

MEETING -3

AGENDA

- Discussion about minutes of meeting of previous meeting
- Discussion about innovations that can be presented in front of the NBA committee
- Discussion regarding the NBA committee Criteria No. V and its requirements.
- Discussion about the status of the publication and presentations of the faculty and students
- Discussion regarding the updation of the information regarding citations of their publications in Scopus, Web of science, google scholar and Orcid.

Principal

Dr.S.N.Dhole



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



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

Date: 01/01/2022

RESEARCH CELL COMMITTEE -2021-22

MEETING -3

MINUTES OF MEETING

- Minutes of meeting of previous meeting were discussed
- Discussion regarding the NBA committee Criteria No. V and its requirements was carried out. The details of publications, presentations, book or book publication were collected.
- Discussion about the status of the publication and presentations of the faculty and students
- Discussion about the status of research and review articles communicated by the faculty and M. Pharm. students was carried out.
- Discussion regarding the status of M. Pharm and B. Pharm. projects was carried out
- Discussion about innovations that can be presented in front of the NBA committee was carried out. Faculty shared their ideas regarding the same
- Discussion regarding the updation of the information regarding citations of their publications in Scopus, Web of science, google scholar and Orcid.



Principal

Dr.S.N.Dhole

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



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

Savitribai Phule Pune University
(Formerly University of Pune)



Tel. No. 020-25621049/50
E-Mail - iqac@unipune.ac.in

Internal Quality Assurance Cell
Ganeshkhind, Pune - 411007.

Ref. No. IQAC/198/2022

Date : 22/11/2022

To,
The Principal/Director/HoD,
All affiliated colleges/recognized institutes/University departments,
Savitribai Phule Pune University, Pune

Subject : Call for Research Proposals under "Rajiv Gandhi Science and Technology Commission Scheme" Assistance for Science and Technology . Application through University system.


Dear Sir/Madam,

Rajiv Gandhi Science and Technology Commission, has initiated a scheme "Assistance for Science and Technology application "inviting proposals to extend research culture to affiliated colleges and departments through the University System. The Savitribai Phule Pune University invites applications from the Faculty in the University departments, affiliated colleges and recognized institutes under this scheme. Interdisciplinary proposals in socially relevant areas viz. health, energy, environment, climate change, etc. are suggested.

SPPU is requesting pre-proposals as per the format attached. Limit the cost of the project to 5 Lakhs. The deadline for online submission of the Proposals is up to **November 30, 2022**. Applicants need not submit hardcopy of the proposals only shortlisted applicants shall bring 5 copies of the proposal at the time of presentation before expert committee. Applicant has to use **User-name and Password provided by the university through respected affiliated colleges /recognized institute/university departments. Link: <http://unipune.ac.in> --> BOD Online --> Teachers Login -----> Teacher -----> Assistance for Science and Technology**. For any clarification, may contact on Phone No. 020-25601050 or through E-mail : iqac@unipune.ac.in

You are requested to bring the content of this circular to the notice of all the eligible faculty members of your College/Institute /University Departments.

With Regards,


Prof. Sanjay Dhole
Director,

Internal Quality Assurance Cell

Encl: RGSTC guidelines



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



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

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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

V S Tambe

Important Notes

- Guidelines to Update Proposals [Click Here](#)

Details

Application ID	Teacher Name	Program Title	Status	Actions
22TEC000156	Vrushali Sachin Tambe	Crystal engineering of drug for treatment of breast cancer: Insight towards formation and bioavailability enhancement.	Confirmed	

Note: You can not edit Rajiv Gandhi Science and Technology Commission Research Proposal Details after print.

Copyright © 2022 Savitribai Phule Pune University. All rights reserved.





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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

* Rahul Ramesh Chanshetli *

Important Notes

• Guidelines to Update Proposals [Click Here](#)

Details

Application ID	Teacher Name	Program Title	Status	Action
22TEC000622	Rahul Ramesh Chanshetli	Development and evaluation of formulations of phyto drug using selected rich flavonoids and omega -3-fatty acids for Psoriasis disease	Confirmed	<input type="checkbox"/>

Note: You can not edit Rajiv Gandhi Science and Technology Commission Research Proposal Details after post.

Copyright © 2022 Savitribai Phule Pune University. All rights reserved.





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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Important Notes

- Guidelines to Update Proposals [Click Here](#)

Details

Application ID	Teacher Name	Program Title	Status	Actions
22TEC000289	Nilesh Shrikant Kulkarni	Design and evaluation of Lipid Based Drug Delivery system to enhance solubility and bioavailability of poorly soluble drugs/ phytoconstituents	Confirmed	

Note: You can not edit Rajiv Gandhi Science and Technology Commission Research Proposal Details after print.

Copyright © 2022 Savitribai Phule Pune University. All rights reserved.





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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Important Notes

- Guidelines to Update Proposals [Click Here](#)

Details

Application ID	Teacher Name	Program Title	Status	Action
22110C00517	Seeta Dhawanjay More	Formulation and Characterization of Transdermal Drug Delivery System	Confirmed	<input type="button" value="⊕"/>

Note: You can not edit Rajiv Gandhi Science and Technology Commission Research Proposal Details after print.

Copyright © 2023 Savitribai Phule Pune University. All rights reserved.





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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Important Notes

- Guidelines to Update Proposals [Click Here](#)

Details

Application ID	Teacher Name	Program Title	Status	Actions
22TEC000272	Mohini Chandrashekar Upadhye	Prospects of novel herbal drug formulations in the treatment of CNS disorders with special emphasis on phytochemical elucidation	Confirmed	

Note: You can not edit Rajiv Gandhi Science and Technology Commission Research Proposal Details after grant.

Copyright © 2023 Savitribai Phule Pune University. All rights reserved.



M Upadhye
Dr. Mohini Upadhye



Nilesh Kulkarni <nileshpcist@gmail.com>

ASPIRE - Invitation for Second Round

1 message

SPPU Notifications <no-reply@pun.unipune.ac.in>

Reply-To: iqac@unipune.ac.in

To: nileshpcist@gmail.com

Thu, Feb 29, 2024 at 11:41 AM

Dr. Nilesh Kulkarni



Dear ASPIRE applicant,

IQAC, SPPU is pleased to inform you that your application has been shortlisted for 2nd round of evaluation in the Research Mentorship Programme. The second round of evaluation requires you to present your project in front of a committee as a power joint presentation. Schedule for presentations will be announce shortly.

Requirements for Round - 2

1. Three printed copies of your proposal including proposed budget.
2. Copy of Similarity/Plagiarism report (please download the same from your login).
3. One page CV.
4. Power point presentation (7 Min. Presentation + 3 Min. Discussion/Question-Answer)
5. Your presentation should clearly include Objectives, Methodology, Outcome and Budget.
6. One page summary of relevant research work/publications done by you in recent past.

Note:

1. No TA/DA is permissible for this presentation round.
2. For any further query, please contact us at iqac@unipune.ac.in.

Director,
IQAC, SPPU.





Vijaya Vichare <vicharevijaya11@gmail.com>

ASPIRE - Invitation for Second Round

1 message

SPPU Notifications <no-reply@pun.unipune.ac.in>

Thu, Feb 29, 2024 at 11:41 AM

Reply-To: iqac@unipune.ac.in

To: vicharevijaya11@gmail.com Dr. Vijaya Vichare



Dear ASPIRE applicant,

IQAC, SPPU is pleased to inform you that your application has been shortlisted for 2nd round of evaluation in the Research Mentorship Programme. The second round of evaluation requires you to present your project in front of a committee as a power point presentation. Schedule for presentations will be announce shortly.

Requirements for Round - 2

1. Three printed copies of your proposal including proposed budget.
2. Copy of Similarity/Plagiarism report (please download the same from your login).
3. One page CV.
4. Power point presentation (7 Min. Presentation + 3 Min. Discussion/Question-Answer)
5. Your presentation should clearly include Objectives, Methodology, Outcome and Budget.
6. One page summary of relevant research work/publications done by you in recent past.

Note:

1. No TA/DA is permissible for this presentation round.
2. For any further query, please contact us at iqac@unipune.ac.in.

Director,
IQAC, SPPU.





rediffmail

Mailbox of mohiniketh

Subject: ASPIRE - Invitation for Second Round

From: SPPU Notifications <no-reply@pun.unipune.ac.in> on Thu, 29 Feb 2024 11:42:43

To: mohiniketh@rediffmail.com Dr. Mohini Upadhye



Dear ASPIRE applicant,

IQAC, SPPU is pleased to inform you that your application has been shortlisted for 2nd round of evaluation in the Research Mentorship Programme. The second round of evaluation requires you to present your project in front of a committee as a power point presentation. Schedule for presentations will be announce shortly.

Requirements for Round - 2

1. Three printed copies of your proposal including proposed budget.
2. Copy of Similarity/Plagiarism report (please download the same from your login).
3. One page CV.
4. Power point presentation (7 Min. Presentation + 3 Min. Discussion/Question-Answer)
5. Your presentation should clearly include Objectives, Methodology, Outcome and Budget.
6. One page summary of relevant research work/publications done by you in recent past.

Note:

1. No TA/DA is permissible for this presentation round.
2. For any further query, please contact us at iqac@unipune.ac.in, this)" rel="noreferrer" target='_blank' rel=external>iqac@unipune.ac.in.

Director,
IQAC, SPPU.





ASPIRE - Invitation for Second Round

From: SPPU Notifications (no-reply@pun.unipune.ac.in)
To: smita_kolhe13@yahoo.com Dr. Smita More
Date: Thursday, 29 February, 2024 at 11:41 am IST



Dear ASPIRE applicant,

IQAC, SPPU is pleased to inform you that your application has been shortlisted for 2nd round of evaluation in the Research Mentorship Programme. The second round of evaluation requires you to present your project in front of a committee as a power point presentation. Schedule for presentations will be announce shortly.

Requirements for Round - 2

1. Three printed copies of your proposal including proposed budget.
2. Copy of Similarity/Plagiarism report (please download the same from your login).
3. One page CV.
4. Power point presentation (7 Min. Presentation + 3 Min. Discussion/Question-Answer)
5. Your presentation should clearly include Objectives, Methodology, Outcome and Budget.
6. One page summary of relevant research work/publications done by you in recent past.

Note:

1. No TA/DA is permissible for this presentation round.
2. For any further query, please contact us at iqac@unipune.ac.in.

Director,
IQAC, SPPU.





Vrushali Tambe <vrushalitambe99@gmail.com>

SERB-Notification

2 messages

SERB_Administrator@serbonline.in <SERB_Administrator@serbonline.in> Sat, Oct 15, 2022 at 2:00 PM
To: serbinfo1@gmail.com



Science and Engineering Research Board
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Department of Science and Technology, Government of India

Dear Vrushali Sachin Tambe,

Your Proposal has been submitted for preliminary scrutiny. Kindly quote project's file no SPG/2022/001211 (Power Screening Committee for Life Science) in all future correspondence. The project's file number should be mentioned in all research communications arising from the above project.

With Regards

SERB Portal Team.

***** LEGAL DISCLAIMER *****

Please do not reply to this mail !!

[SERB is now on Social-Media. Kindly follow us on Twitter: @serbonline <https://www.twitter.com/serbonline>]

This is a system generated information and does not require any signature. This E-Mail may contain Confidential and/or legally privileged Information and is meant for the intended recipient(s) only. If you have received this e-mail in error and are not the intended recipient/s, kindly notify us at info@serbonline.in and then delete this e-mail immediately from your system. Any unauthorized review, use, disclosure, dissemination, forwarding, printing or copying of this email or any action taken in reliance on this e-mail is strictly prohibited and may be unlawful. Internet communications cannot be guaranteed to be timely, secure, error or virus-free. The sender does not accept any liability for any errors, omissions, viruses or computer problems experienced by any recipient as a result of this e-mail.

'SAVE PAPER - THINK BEFORE YOU PRINT!'

* Don't want to receive such notification anymore? Click here to send a mail to unsubscribe



SERB_Administrator@serbonline.in <SERB_Administrator@serbonline.in> Sat, Oct 15, 2022 at 2:00 PM
To: serbinfo1@gmail.com



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



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

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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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



Vijaya Vichare <vicharevijaya11@gmail.com>

SERB-Notification

SERB_Administrator@serbonline.in <SERB_Administrator@serbonline.in>
To: serbinfo1@gmail.com

Tue, Oct 18, 2022 at 2:00 PM



Science and Engineering Research Board
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Department of Science and Technology, Government of India

Dear VIJAYA SACHIN VICHARE,

Your Proposal has been submitted for preliminary scrutiny. Kindly quote project's file no SPG/2022/001613 (Power Screening Committee for Life Science) in all future correspondence. The project's file number should be mentioned in all research communications arising from the above project.

With Regards

SERB Portal Team.

[Quoted text hidden]





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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Nilesh kulkarni <drnileshkulkarni2015@gmail.com>

Knowledge of Online Project Submission & Temporary Registration No.
message

so.dst@nic.in <pms0.dst@nic.in>
drnileshkulkarni2015@gmail.com

Tue, Feb 28, 2023 at 3:00 PM

Department of Science & Technology

Subject: Acknowledgement of Online Project Submission & Temporary Registration No.

Dear Dr. Nilesh Shrikant Kulkarni



Online Project Management System

onlinedst.gov.in | Email: pms0.dst@nic.in

This is to acknowledge the online submission of your project proposal entitled **To upgrade and develop the facility for the development and evaluation of Lipid Based Nano drug Delivery system for poorly soluble drugs/ phytoconstituents** testing the proposal submission.
You can track the status of your proposal quoting the reference as given below:

Temporary Registration Number : **TPN / 88469**

You will be receiving a File Number shortly.

Please mention **TEMPORARY REGISTRATION NUMBER** and **TITLE OF THE PROJECT** in all future correspondence with DST, till you receive the File Number. You can access this project account at <http://onlinedst.gov.in/> using the Principal Investigator (PI) username and password.

Regards
Administrator
e-PMS



This is an auto generated mail. Please do not reply

This is an autogenerated mail from e-PMS

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

From: **Avinash Kumbhar**
<askumic@gmail.com>
Date: Tue, Mar 14, 2023 at 1:32 PM
Subject: RGSTC Scheme from SPPU
To: Rajiv Gandhi Science & Technology
Commission <rgstcmaha@rediffmail.com>

Dear Colleagues,

This has reference to your application for the " Assistance for S & T Application " through the University System for Rajiv Gandhi Science and Technology Commission in the area under Savitribai Phule Pune University. This is to Inform your proposal has been shortlisted for the 2nd screening by the "Committee of Peers ", the meeting of which will be held in an online mode on Friday 17th March 2023 from 11.30 a.m to 1.30 p.m. The link will be shared with you shortly and the time slots will be informed to you. Please be ready with 3 slides for the presentation.

Sincerely,

Thanking You ,

Dr. Avinash Kumbhar
Coordinator, RGSTC scheme -SPPU



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Hemant Alhat <alhathemant@gmail.com>

RGSTC Scheme from SPPU

1 message

Avinash Kumbhar <askumic@gmail.com>
To: Rajiv Gandhi Science & Technology Commission <rgstcmaha@rediffmail.com>
Bcc: alhathemant@gmail.com

Tue, Mar 14, 2023 at 1:32 PM

Dear Colleagues,

This has reference to your application for the "Assistance for S & T Application" through the University System for Rajiv Gandhi Science and Technology Commission in the area under Savitribai Phule Pune University. This is to inform your proposal has been shortlisted for the 2nd screening by the "Committee of Peers", the meeting of which will be held in an online mode on Friday 17th March 2023 from 11.30 a.m. to 1.30 p.m. The link will be shared with you shortly and the time slots will be informed to you. Please be ready with 3 slides for the presentation.

Sincerely,

Thanking You .

Dr. Avinash Kumbhar
Coordinator, RGSTC scheme -SPPU



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, VasantKunj, New Delhi-110070 Website: www.aicte-india.org

MODROB Sanction Letter

F.No.9-261/DC/MODROB/Policy-1/2019-20

Date: 20.07.2020

To
The Drawing and Disbursing Officer,
All India Council for Technical
Education, Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Subj: Release of a sum of Rs.1273725/- (Rupees Twelve Lakh SeventyThree Thousand Seven Hundred TwentyFive Only) being the 1st installment Grant-in-Aid under the scheme Modernization and Removal of Obsolescence (MODROB) for the year 2019-20 payable during the current financial year 2020-21- reg.

Sir,
With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of Rs.1592157/- (Rupees Fifteen Lakh NinetyTwo Thousand One Hundred FiftySeven Only) as sanctioned Grant-in-Aid under the Modernization and Removal of Obsolescence (MODROB) scheme, as per details given below:

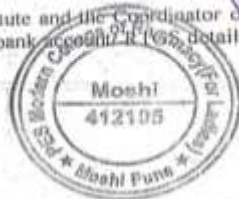
1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE, BORHADEWADI, DEHU-ALANDI ROAD, AT POST- MOSHI, TAL-HAVELI DIST- PUNE 412105, STATE-MAHARASHTRA.		
2.	Title of Project:	To update the existing research facilities for formulation development of modified release and Novel drug delivery systems.		
3.	Name of Coordinator:	Dr. SHASHIKANT DHOLE		
4.	Duration of the project:	2 years		
4.	Total Grant-in-aid Sanctioned:	Total: Rs.1592157/-	Non-Recurring (85%): Rs.1353333/-	Recurring (15%): Rs.238823/-
5.	Amount to be released during the year 2020-21:	1 st Installment Rs.1273725/-	Non-Recurring (85%): Rs.1082666/-	Recurring (15%): Rs.191058/-
6.	Sanctioned grant-in-aid is debatable to:	Major Head 601.18(a) Gen. (Plan Head)		

- The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/ Registrar of the Institute through RTGS/PFMS.
- This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

i. Release of funds

- The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the undermentioned bank account details and inform them along with the Proposal, in



F.No.9-261/DC/MODROB/Policy-1/2019-20

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

which the grant is being released:

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATP5481C	BANK OF MAHARASHTRA	Nigdi	Nigdi	Modern College of Pharmacy (For Ladies) Moshi	Saving Account	60101527843	MAHB0000601

In case of any omission the same should be reported to AICTE immediately.

- b. The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.
- c. 100% grant of the sanctioned amount is being released to Government/Govt. Aided institutions. Utilization Certificate (UC) and other requisite documents are to be submitted within one month of the completion of the project.
- d. To self-financed/Pvt. Institutions 80% of the sanctioned amount is being released as first installment followed by 20% as reimbursement after receipt of UC and other requisite documents as specified in terms & Conditions of MODROB Scheme.

ii. Maintenance of accounts

- a. The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F.No.9-261/IDC/MODROB/Policy-1/2019-20 dated 20.07.2020 issued by this office. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.
- b. Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant AICTE.
- c. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure (list enclosed).
- d. The Council or its nominee shall have the right to check /verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- e. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within one month of the receipt of the grant, the approval shall ipso fact lapse.
- f. After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.

iii. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi

- a. If the college/institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2020-21, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- b. If project is not started within six months of the issuance of this Offer Letter, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.
- c. In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE.
- d. It may be ensured that the project is completed within the stipulated time. If the project is not completed in



F.No.9-261/IDC/MODROB/Policy-1/2019-20

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

time, no further extension will be granted in any case and institute has to refund the entire amount to AICTE.

- e. As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

IV. Submission of documents by college/institution after completion of Project/Subsequent years.

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project :-

- a. Feedback form in the prescribed proforma.
- b. The **Annual Progress Report (APR)** in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.
- c. The **Utilization Certificate (UC)** supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.
- d. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- e. **Program Evaluation Committee (PEC)** is required to be constituted at Institutional level. The constitution of the PEC shall be asunder:
 - (i) Principal/Director/Registrar of the Institution (Chairperson)
 - (ii) Coordinator of the project (Member Secretary),
 - (iii) Two HODs and one subject expert (Members).

The members of the said PEC shall not be below the rank of Associate Professor. The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.

- f. Project completion report project indicating the activities undertaken, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- g. Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h. Photographs of equipment's purchased.
- i. The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

V. General instructions

- a. The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its released.
- b. Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No.9-1/RIPD/MOD/Policy-1/2019-20 in your correspondence.
- c. The grantee shall maintain an audited statement of expenditure acquired wholly or substantially out of the Grant-in-Aid



F.No.9-261/IDC/MODROB/Policy-1/2019-20

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

- and a register of assets shall be maintained by the Institute in the prescribed form i.e.GFR-19.
- The College / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be super scribed with AICTE project file number.
 - The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.
 - The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules ([@https://doe.gov.in/order-circular/general-financial-rules2017-0](https://doe.gov.in/order-circular/general-financial-rules2017-0)) should be followed during utilization of grant.

List of Equipment's approved:

Name of Equipments
Extruder and Spheronizer
All purpose lab care- Main Unit and attachments
Aseptic Area for Sterile Formulation

Yours sincerely,

Dr. Neeraj Saxena
Advisor - II (IDC)

Copy forwarded for information and necessary action to:

- Name and Address of the Coordinator,
Dr. SHASHIKANT DHOLE
PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE.,
BORHADEWADI, DEHU-ALANDI ROAD, AT POST- MOSHI, TAL-HAVELI DIST- PUNE 412105. STATE-
MAHARASHTRA. 412105
- The Registrar / Director / Principal,
Dr. SHASHIKANT DHOLE
PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE.
BORHADEWADI, DEHU-ALANDI ROAD, AT POST- MOSHI, TAL-HAVELI DIST- PUNE 412105.
STATE-MAHARASHTRA. 412105
- Guard File

Dr. Neeraj Saxena
Advisor - II (IDC)



F.No.9-261/IDC/MODROB/Policy-1/2019-20

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Financial Assistance to research students

Email address for your queries: customercare@idbi.co.in
Email address for your IDBI Equity and Flexibond queries: ird@idbi.co.in

IDBI BANK
Bank Aisa Dost Jaisa

Call Toll Free Numbers
1800-209-4324 / 1800-22-1070

IDBI BANK
Bank Aisa Dost Jaisa

Payment Summary

Reference Id	: 767927067	Transaction Type	: Initiate NEFT Payment
System From Account	: 0087104000279574	Counterparty Type	: Personal Payees
Beneficiary Account	: NEHA BAPUSAHEB	Amount	: INR 2,100.00
Payment Date	: 27/06/2024	Frequency Type	: One Time
Remarks	: Mpharm research work project	Transaction Status	: Success



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Printed on 24/06/2024 03:55:35 PM GMT+05:30

Beneficiary Details

- [100327] The beneficiary details are added successfully with the reference ID: [34384763]
- [110848] The fund transfer can be initiated after indicated time. Indicated time: 60 minutes.

Beneficiary Details

Beneficiary ID:	34384763	Name:	NEHA BAPUSAHEB AUTADE
Nickname:	NEHA BAPUSAHEB AUTADE ✓		
Access Type:	Local		
Maximum Limit Amount:			
Account Number:	35949031384 ✓		
Bank IFSC Code:	SBIN0007156 ✓		



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Application: 4/10/2022

To: The principal
PES Modern college of pharmacy (for ladies) Moshi,
Pune 411005

Subject :- Reimbursement of expenses paid in
Research work

Respected sir,

I am Miss Neha Bapusaheb Anade,
Student of M. Pharm 2nd yr (Pharmaceutics). I
have completed my research work project titled
as "Formulation, Evaluation and optimization of
Antihypertensive lipid lipid nanoemulsion of simvastatin".
I performed some Research activity
outside the college. It's my humble request to
reimburse the expenses that I have paid. Here
is attached proof of original receipt.

Principal Research guide Thank you
Neha Bapusaheb
Anade



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

m.pharm

PES MODERN COLLEGE OF PHARMACY (FOR LADIES)

Borhadewadi, A/P Moshi, Pune - 411 070

No.: 119

Account Seminar & workshop.

Date: 28/08/2023

Particulars	Rs.	Ps.
Cash / Cheque Paid to Gaikwad mayuri	1900	00
50% Reimbursement of exp. paid in Research work. 3800 ÷ 2 m.ph 2 nd Year P'CAT.		
Cheque No. _____ Date: _____		
TOTAL RS. One Thousand Nine Hundred Only	1900	00

Principal

Cashier



Receiver's Signature

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Page No.	100/11
Date	10/01/2020

To,
The principal
PES Modern College of Pharmacy, (For Ladies)
Moshi, Pune.
412105.

Subject :- Reimbursement of expenses paid
in Research work.

Respected sir,

I am Miss Mayuri K. Gaikwad from
M. Pharm IInd year [Pharmaceutical Quality
Assurance Department]

I have completed my research work
project titled as "To evaluate anti-diarrheal
potential of root extract *Kulru fruticosus*
including its formulation"

I have ordered some chemicals &
performed some research activity outside
the college It's my humble request to
reimburse the expenses that I have paid.
Here is attached proof of original receipt



Thank you,
Mayuri Gaikwad.

Contact NO:- 7798686751.

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

DPU

Dr. D. Y. Patil Unitech Society's
**Dr. D. Y. PATIL INSTITUTE OF
PHARMACEUTICAL SCIENCES & RESEARCH**
Pimpri, Pune - 411 018.

MISCELLANEOUS RECEIPT

Date : 23/05/2023

Receipt No. : 1174

Name of the Student in full Ms. Mayuri K Gaikwad, PES Modern

College of pharmacy

Class _____ Faculty _____ Year Master

Sr. No.	Particulars	Amount ₹	Ps.
1.	Admission Form & Prospectus		
2.	Eligibility Fee		
3.	T.C / Bonafide Certificate Fee		
4.	University Pro-Rata Fee		
5.	National Insurance Scheme Fee		
6.	Breakage		
7.	Physical Education Scheme		
8.	Improvement Fee		
9. ✓	Other (if any) - <u>DSC Sample analysis</u>	1,100	-
Amount in words ₹ <u>one thousand</u> <u>one hundred only</u>		TOTAL	1,100 -

Mode of Payment Cash / D. D. / P. O. No. VPI-314386480566 Dated 23/05/23

Drawn on Bank _____ Branch _____

CONDITIONS

507-8/c



1. The admission is purely provisional and is subject to confirmation by University of Pune.
2. The payment of fees does not give right to admission.
3. Any legal dispute between the college & student or his / her parent / guardian, arising out of the relation established by admission, will be dealt with in the court of C.J.J.D., Pimpri, Pune, Maharashtra State.
4. This original receipt must be produced while claiming the refund in case of cancellation of admission or leaving the college prior to completion of the course.

I have read the conditions of admission rules & regulations given in information brochure of the college and University of Pune.
I agree to abide by them.

Receiver's Signature

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Dr. D. Y. Patil Unitech Society's
**Dr. D. Y. PATIL INSTITUTE OF
PHARMACEUTICAL SCIENCES & RESEARCH**
Pimpri, Pune - 411 018

MISCELLANEOUS RECEIPT

Date 24/05/23

Receipt No. : **1178**

Name of the Student in full Mayuraj Kumar Gaikwad

Class _____ Faculty _____ Year 23-24

Sr. No.	Particulars	Amount ₹	Ps.
1.	Admission Form & Prospectus		
2.	Eligibility Fee		
3.	T.C / Bonafide Certificate Fee		
4.	University Pro-Rata Fee		
5.	National Insurance Scheme Fee		
6.	Breakage		
7.	Physical Education Scheme		
8.	Improvement Fee		
9.	Other (if any) <u>FT-IR analysis of our sample. (Modern College)</u>	200	
Amount in words ₹ <u>Two Hundred only</u>		TOTAL	200

Mode of Payment Cash / D. D. / P. O. No. Online Transfer Dated 24/05/23

Drawn on Bank _____ Branch _____

CONDITIONS

1. The admission is purely provisional and is subject to confirmation by University of Pune.
2. The payment of fees does not give right to admission.
3. Any legal dispute between the college & student or his / her parent / guardian, arising out of the relation established by admission, will be dealt with in the court of C.J.J.D., Pimpri, Pune, Maharashtra State.
4. This original receipt must be produced while claiming the refund in case of cancellation of admission or leaving the college prior to completion of the course.

I have read the conditions of admission rules & regulations given in information brochure of the college and University of Pune.
I agree to abide by them.

Receiver's Signature

Criterion 3 - Research, Innovations and Extension



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



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

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

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

DPU

Dr. D. Y. Patil Unitech Society's
**Dr. D. Y. PATIL INSTITUTE OF
PHARMACEUTICAL SCIENCES & RESEARCH**

Pimpri, Pune - 411 018.

MISCELLANEOUS RECEIPT

Date: 24/05/23

Receipt No. : 1177

Name of the Student in full Mayuri Kumari Gaikwad

Class _____ Faculty _____ Year 23-24

Sr. No.	Particulars	Amount ₹	Ps.
1.	Admission Form & Prospectus		
2.	Eligibility Fee		
3.	T.C / Bonafide Certificate Fee		
4.	University Pro-Rata Fee		
5.	National Insurance Scheme Fee		
6.	Breakage		
7.	Physical Education Scheme		
8.	Improvement Fee		
9.	Other (if any) <u>HPTLC analysis sample</u>	<u>2500</u>	-
<u>PES Modern college of Pharmacy.</u>			
Amount in words ₹ <u>Two Thousand Five</u>		TOTAL	<u>2500</u>
<u>Hundred only</u>			

Mode of Payment Cash / D. D. / P. O. No. Online Transfer Dated 24/05/23

Drawn on Bank _____ Branch _____

CONDITIONS

1. The admission is purely provisional and is subject to confirmation by University of Pune.
2. The payment of fees does not give right to admission.
3. Any legal dispute between the college & student or his / her parent / guardian, arising out of the relation established by admission, will be dealt with in the court of C.J.J.D., Pimpri, Pune, Maharashtra State.
4. This original receipt must be produced while claiming the refund in case of cancellation of admission or leaving the college prior to completion of the course.

I have read the conditions of admission rules & regulations given in information brochure of the college and University of Pune.
I agree to abide by them.

Receiver's Signature

Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Ph.D Research Students

Sr.No.	Name of student	Admission year	Title of Project
1.	Dr. Raksha L. Mhetre	2015-16	Formulation development and evaluation of nanoparticulate drug delivery system
2	Ms. Bhagyashri Bhanage	2018-19	Formulation and evaluation of Transdermal Patches incorporated with Nanoparticles
3	Ms. Chaitali Dongaonkar	2018-19	Formulation and evaluation of Nano emulgel
4.	Ms. Jyoti Jawale	2019-20	Development and evaluation of Nano carrier for Delivery of certain Anticancer Phytochemicals
5	Ms. Sonali Devane	2019-20	Development of Novel drug delivery system for Phytoconstituents
6	Ms. Vibhavari Chatur	2019-20	Design and synthesis of Niosomal Drug Delivery system
7	Ms. Sarika Jadhav	2021-22	Development and validation of Novel Analytical Methods for innovative Pharmaceutical Formulation using Advanced Analytical Techniques.
8	Ms. Megha shranappa Kokane	2021-22	Design, optimization and characterization of Solid oral dosage form for autoimmune diseases.
9	Ms. Jyoti Gopichand Rathod	2021-22	Development and optimization of Modified release multiunit system.



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

10	Ms. Priyanka Bagade	2021-22	Improvement in solubility and dissolution rate for BCS Class II drugs using various novel techniques
11	Ms. Vaishali Kalidas Ghume	2021-22	Formulation and characterization of Transdermal drug delivery system.
12	Mrs. Amruta Shinde	2021-22	Design and evaluation of lipid based drug delivery system to enhance solubility and bioavailability of poorly soluble drugs.
13	Ms. Megha Vishal Hange	2021-22	DEVELOPMENT and evaluation of Nanosponge based Topical Targeted Drug Delivery.
14	Ms. Prachee Kalidas dusane	2021-22	Design and evaluation of controlled microparticulate floating drug delivery systems.
15	Anita Vijay Malusare	2022-23	Design and synthesis of Anti-inflammatory activity of some Novel heterocyclic compounds
16	Harshada Ankush Padwal	2022-23	Herb-Drug Interactions of Hypoglycaemic, Hypolipidemic compounds: A pharmacokinetics and pharmacodynamics approach
17	Mrs. Anuradha Salunkhe	2022-23	Formulation and evaluation of oil loaded Nanosponges for Therapeutic management by using Quality by design Approach.
18	Ms. Dhanashree Kherade	2022-23	Development of Nitrogen containing heterocyclic compounds as potential Antidiabetic agents. -
19	Ms. Manisha Shinde	2022-23	Design, Synthesis and evaluation of Anticancer activity of some Telomerase inhibitors. -
20	Ms Priyanka Parekar	2022-23	Design, synthesis and characterization of polymers for dermatological application.



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

21	Ms. Shubhangi Kadu	2022-23	Development and evaluation of polyherbal formulation for Antipsoriasis activity with special emphasis on sun protecting factor.
22	Ms. Priyanka Panmand	2022-23	Design and Evaluation of novel ophthalmic drug delivery system.
23	Ms. Ujawala Belge	2022-23	Synthesis, characterization and evaluation of oxadiazole derivatives for anti-diabetic activity




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

AAVISHKAR and INDIAN PHARMACEUTICAL CONGRESS

Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

PES MODERN COLLEGE OF PHARMACY (for ladies), MOSHI, PUNE

AVISHKAR

POSTER PRESENTATION COMPETITION

RULES

1. Participant poster size should be 1m X 1m only
2. Name of the participant, guide, affiliated college should not be on the poster
3. The judges decision will be final.
4. Following are the levels of participation
 - i) D Pharm
 - ii) B Pharm
 - iii) M Pharm
 - iv) Faculty pursuing Ph D
5. Two best posters will be selected from each level.



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE

RESULT OF COLLEGE LEVEL POSTER COMPETITION

AVISHKAR 2022

M. Pharm:

- a) Winner - 1) Neha Autade (CPM)
2) Harshda Narhare
3) Komal Kawale
- b) Runner-Up- 1) Dhanashree Borchare (CPBA)
2) Nilam Jankar

B. Pharm:

- a) Winner - 1) Aditi Kumavat (B-Pharm)
2) Shravani Musale
3) Samruddhi Dahiwal
4) Shubhangi Shinde
5) Snehal Pansare
- b) Runner-Up- 1) Megha Shitole
2) Pratiksha Ekal



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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE
RESULT OF COLLEGE LEVEL POSTER COMPETITION
AVISHKAR 2022

Sr. No	Category	Level			
		UG	PG	PPG (M.Phil & ph.D. Students those who are pursuing ph.D. from SPPU)	Teacher (Approved Teachers those who are pursuing ph.D. from SPPU)
1	Pure Sciences	--	--	--	--
2	Medicine and Pharmacy	1. Aditi Kumavat and Shravani Musale (Title- 'Super Food - SPIRULINA') 2. Megha Shitole and Pratiloha Ekal (A BOON FOR RECTAL CANCER: DOSTERLIMAB INJECTION)	1. Neha Autade and Harshada Narhare (Formulation and Evaluation of Optimized Clostrimazole Nano Emulgel) 2. Dhanashree Borchare and Nilam Jankar (POTENTIAL OF BERBERIS ARISTATA EXTRACT AGAINST ORAL CANCER)	--	Bhagyashree Bhanage and Chaitali Dongaonkar (DESIGN OF TOPICAL CREAM CONTAINING BERBERIS ARISTATA AND PROPOLIS FOR THE TREATMENT OF WOUND HEALING)
3	Agriculture and Animal Husbandry	--	--	--	--
4	Commerce, Management & Law	--	--	--	--
5	Engineering & Technology	--	--	--	--
6	Humanities, Language, Fine Arts	--	--	--	--

(Signature)
PES Modern College of Pharmacy
Borivli, Mumbai - 400 075
Moshi, Pune - 412 105
Tel: 020-2706-13105



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE

Program: Poster Presentation

Date: 17/09/2022

Registration List - Faculty

Sr. No.	Name of Student	Class	Signature
1	Shagunshree S. Pasande	Faculty	
2	Charali C. Dongarekar	Faculty	
3			
4			
5			
6			
7			
8			
9			
10			



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Savitribai Phule Pune University
Tal. Haveli, Dist. Solapur - 431005

Criterion 3 - Research, Innovations and Extension



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



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

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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE

Program: Poster Presentation

Date: 17/09/2022

Registration List - B, Pharm

Sr. No.	Name of Student	Class	Signature
1	Puwa Sanjayrao Jawanjil	5-Y.B Pharm	<i>Puwa</i>
2	Aditi Mahendra Kumavat	Final year	<i>Aditi</i>
3	Shravani R. Musale	Final	<i>Musale</i>
4	Ganadhi R. Dohiwad	Final	<i>Dohiwad</i>
5	Shubhangi L. Shinde	Final	<i>Shinde</i>
6	Anesh B. Patil	Final	<i>Patil</i>
7	Suman Padwal	T.Y	
8	Shreya Londhe	Final	<i>Londhe</i>
9	Aarohi Chormale	Final	<i>Chormale</i>
10	Megha Sutole	Final	<i>Sutole</i>
11	Pratiksha Ekal	Final	<i>Ekal</i>



G.R. Ekbote
PROGRESSIVE EDUCATION SOCIETY
PES MODERN COLLEGE OF PHARMACY
(FOR LADIES)
MOSHI, PUNE - 412105
Ph: 020-27011111

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

PES MODERN COLLEGE OF PHARMACY (for ladies), MOSHI, PUNE

Evaluation format *B. Pharm*

Sr. No.	Poster No.	Relevance of the topic (20)	Methodology adopted (20)	Contribution / hard work/ efforts of the participant (20)	Innovativeness / novelty (20)	Outcome and affordability of the project (20)	Total (100)
1	01	12	12	12	12	12	60
2	02	14	15	14	12	15	70 ①
3	03	11	11	11	11	11	55
4	04	13	13	13	13	10	62
5	05	14	13	14	13	11	65 ②

V.S.
Dr. V.S. Vichare



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE

Program: Poster Presentation

Date: 17/09/2022

Registration List - M.Pharm

Sr. No.	Name of Student	Class	Signature
1	Anjali Wadhokar	S.Y.M.pharm	<i>Anjali Wadhokar</i>
2	Rushali Bedjwalge	S.Y.M.pharm	<i>Rushali</i>
3	Shruti Burad	S.Y.M.pharm	<i>Shruti</i>
4	Kavishma Morkad	S.Y.M.pharm	<i>Kavishma</i>
5	Neha Autade	S.Y.M.pharm	<i>Neha</i>
6	Hareshda Naehae	S.Y.M.pharm	<i>Hareshda</i>
7	Shivanjali Sanjay madane	S.Y.M.pharm	<i>Shivanjali</i>
8	Dhanashri Ashok Borchade	S.Y.M.pharm	<i>Dhanashri</i>
9	Nitam Jagannath Jankar	S.Y.M.pharm	<i>Nitam</i>
10			

} poster
} poster
} poster
} poster
} poster
} poster
} poster
} poster
} poster

[Signature]
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Datta Road, Moshi, Pune - 412105
Tel: 020-27110000, 020-27110001



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

PES MODERN COLLEGE OF PHARMACY (for ladies), MOSHI, PUNE

Evaluation format — M-Pharm

Sr. No.	Poster No.	Relevance of the topic (20)	Methodology adopted (20)	Contribution / hard work/ efforts of the participant (20)	Innovativeness & novelty (20)	Outcome and affordability of the project (20)	Total (100)
1	1	18	18	15	15	15	81
2	2	17	16	13	13	13	72
3	3	17	17	14	14	14	76
4	4	15	15	12	12	12	66
5	5	14	14	11	11	10	60

Evaluators

Dr. Tambe V-S

Dr. Mohini Upadhye



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

PES MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE

Program: Poster Presentation

Date: 17/09/2022

Registration List - D. Pharm

Sr. No.	Name of Student	Class	Signature
1	Shinde charuta A	S.Y. D.pharm	shinde
2	Jamdade shubhangi	S.Y.D.Pharm	Jamdade
3	Subekar shruti	S.Y.D. Pharm	Subekar
4	Garkhane Jayati	S.Y.D. pharm	Garkhane
5	Chikhale Renuka	S.Y.D.pharm	Chikhale
6	Harishchandre siddhi	S.Y.D.pharm	Siddhi
7	Jagnade supriya	S.Y.D.pharm	Supriya
8			
9			
10			


PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhane Nagar, Post Moshi,
Tal: Haveli, Dist: Pune - 412105





STUDY OF BERBERIS ARISTATA EXTRACT AND BERBERINE FOR ANTICANCER ACTIVITY

INTRODUCTION

- It belongs to family Berberidaceae which has 18 genera of flowering plants commonly called as barberry family.
- It is known as "shudre" or "sumbar" or tree-turmeric

AIM

The Present study is based on Indian Medicinal Plant *Berberis aristata* with aim for its anticancer potential against oral cancer cell lines.

Extractive value

Part of plant	Solvent	Color	Consistency	% Extractive value
Stem	HCl, Methanol	Brownish yellow	Semisolid	17.77%

Preliminary phytochemical screening of stem extract of BA

Sl. No	Test used/Reagent	Observation	Result
1	Reducing sugar	Green yellow red color	+
2	Starch	Greenish yellow acidic layer	+
3	Glycosides	Cherry red color	+
4	Tannin and polyphenols	Deep blueish black color	+
5	Alkaloids	Orange brown ppt (acidic layer formed), Noddyish brown ppt	+
6	Saponins	Stable foam	+

Characterization by UV:

Characterization by HPLC:

Characterization by LC-MS/MS:

Linearity of standard berberine :

50 Control growth

Drug concentration (µg/ml)	IC50	IC10	IC20	IC50
Berberine (STB)	15.1	27.3	38.6	12.5
BA Stem extract	76.3	67.5	58.4	43.0
BA Stem ALK fraction	116.6	111.1	102.8	66.3

Conclusion :

- Methanolic extract of BA was prepared and the extractive value were found to be 17.77%.
- Berberine standard shows highest activity with 87.5% inhibition of cell growth.
- Berberis aristata extract shows 56.1% inhibition of cell growth.
- Berberis aristata alkaloid fraction shows no activity as compared to standard and extract.
- Beta cyclodextrin complex can be form with Berberine to increase the solubility and dissolution rate which in future can be useful to form a conventional tablet dosage form.

Reference:

Manasi S, Vijaia Vikram: A review article on Anticancer Potential of Berberis aristata and Berberine with Focus on Quantitative methods, Preventive, Diagnostic and Treatment Strategies in Medicine, Medknow, 2022, Volume 1 (2):67-75. DOI: 10.4103/pjtm.pjtm_9_22

Abstract:

Berberis aristata is ayurvedic medicine having various activities such as anti-inflammatory, antidiabetic, anticancer etc. From literature it was noticed that *Berberis aristata* has not been tested for its anticancer potential against oral Squamous Cell Carcinoma. The present study aims to investigate anticancer potential of BA against oral cancer. Plant material was authenticated and methanolic extract was prepared. Alkaloidal fraction was isolated. Extract, alkaloidal fraction, isolated berberine were characterized for confirmation of presence of Berberine. Anticancer potential of this against oral SCC was tested by using SRB assay method. From literature we learned that Berberine is having poor solubility and low bioavailability. A complex of extract with Beta-cyclodextrin was formed to increase solubility and bioavailability of Berberine. This complex was tested for anticancer potential against oral SCC. From the anticancer result it was found that Berberine standard showed highest activity with 87.5% inhibition of cell growth. Berberis aristata extract showed 56.1% inhibition of cell growth but isolated alkaloidal fraction showed no activity. Increase in solubility with complex can be a future scope for development of a conventional dosage form.



Criterion 3 - Research, Innovations and Extension



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

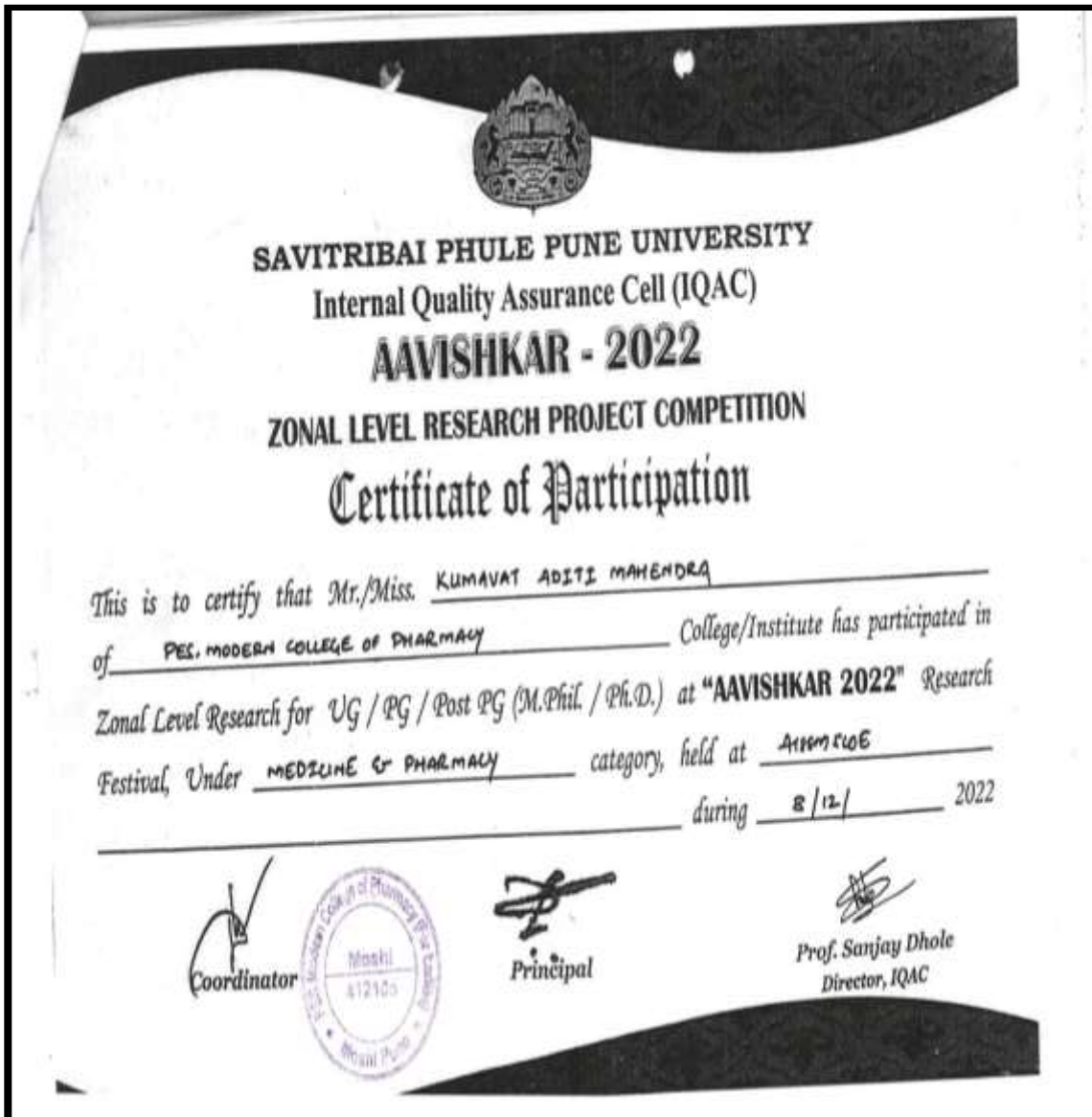


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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




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





PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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


SAVITRIBAI PHULE PUNE UNIVERSITY
Internal Quality Assurance Cell (IQAC)
AAVISHKAR - 2022
ZONAL LEVEL RESEARCH PROJECT COMPETITION
Certificate of Participation

This is to certify that Mr./Miss. Shitole Megha Vijay
of MCOB, Moshi College/Institute has participated in
Zonal Level Research for UG / PG / Post PG (M.Phil. / Ph.D.) at "AAVISHKAR 2022" Research
Festival, Under Medicine & Pharmacy category, held at AICSMC-COE
during 8-12 2022

 Coordinator

 Principal
 Prof. Sanjay Dhole
Director, IQAC

Criterion 3 - Research, Innovations and Extension



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




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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY



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


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


Hars
PH


SAVITRIBAI PHULE PUNE UNIVERSITY
Internal Quality Assurance Cell (IQAC)
AAVISHKAR - 2022
ZONAL LEVEL RESEARCH PROJECT COMPETITION
Certificate of Participation

This is to certify that Mr./Miss. Narhara Harshada Shivaji
of PES college of pharmacy Moshi College/Institute has participated in
Zonal Level Research for UG / PG / Post PG (M.Phil. / Ph.D.) at "AAVISHKAR 2022" Research
Festival, Under medicine and pharmacy category, held at AISSMSCOE
during 8/12 2022



Coordinator


Principal


Prof. Sanjay Dhole
Director, IQAC

Criterion 3 - Research, Innovations and Extension



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

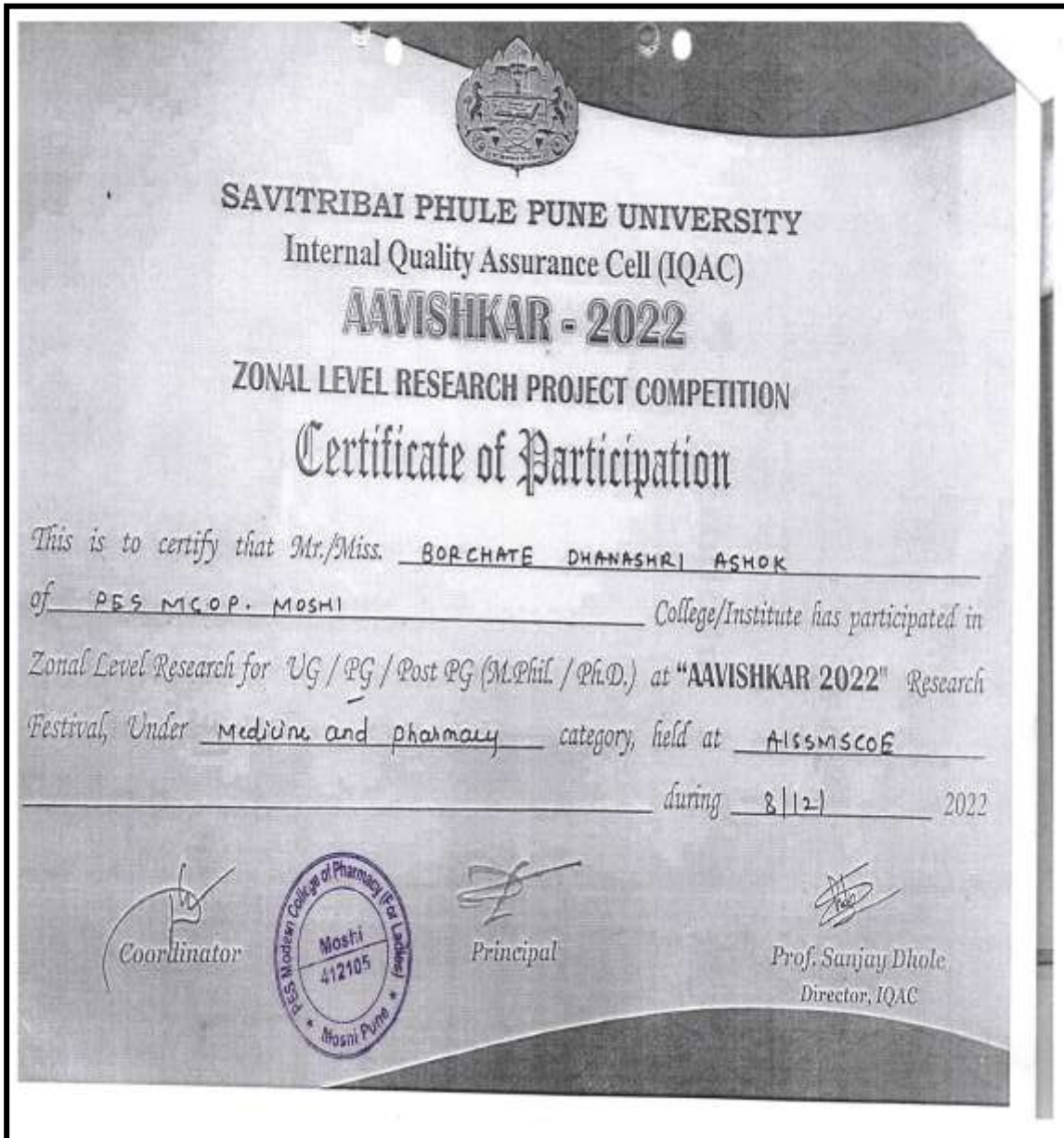


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

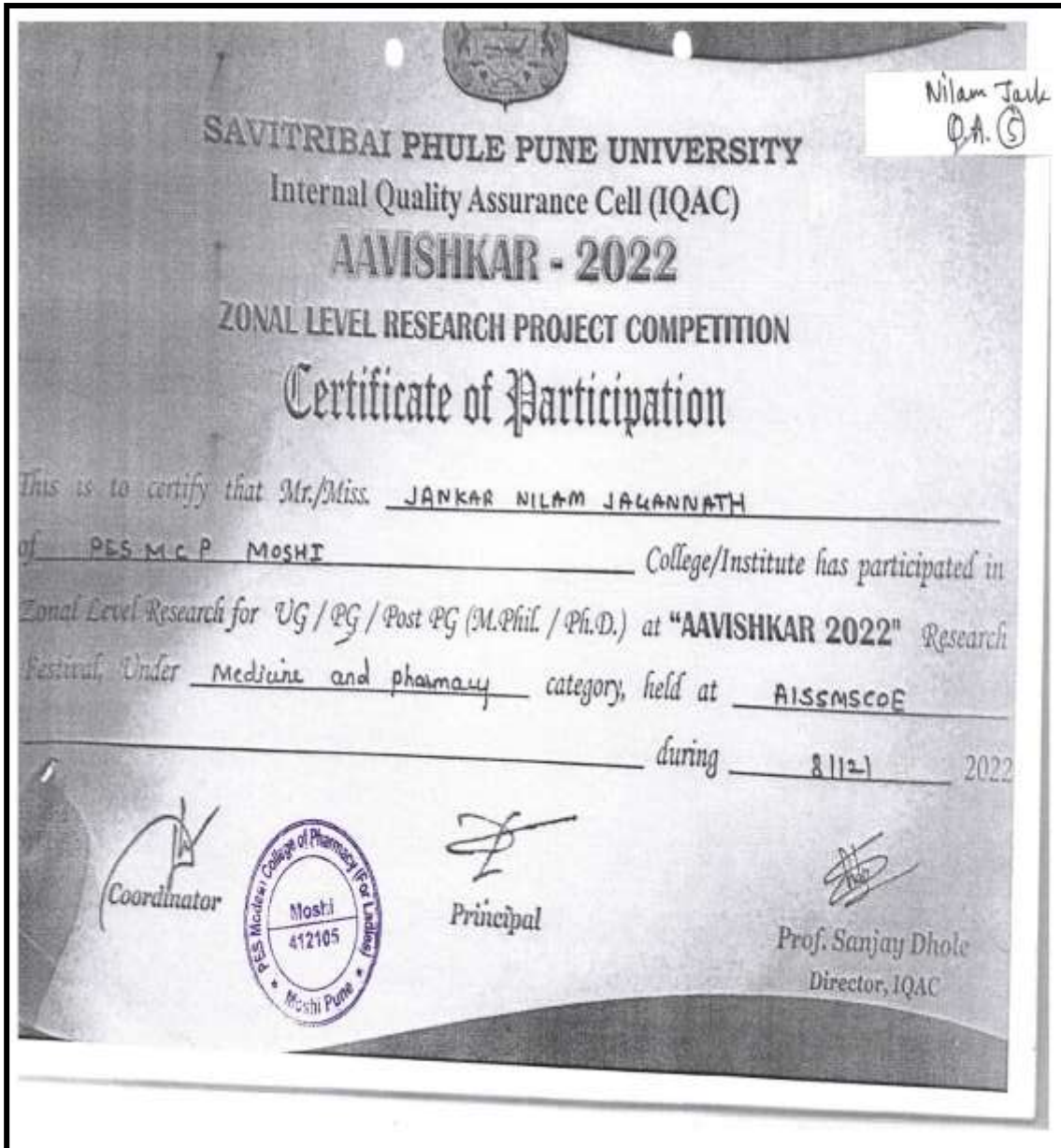


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

List of students participated in Indian Pharmaceutical Congress

Sr.No.	Name of student	Title of event	Date	Place
1	Shruti Burad	Indian Pharmaceutical congress	20/1/2023- 22/1/2023	Nagpur, Maharashtra
2	Shivanjali Madane	Indian Pharmaceutical congress	20/1/2023- 22/1/2023	Nagpur, Maharashtra
3	Karishma Markad	Indian Pharmaceutical congress	20/1/2023- 22/1/2023	Nagpur, Maharashtra
4	Wadhokar Anjali Shrikrishna	Indian Pharmaceutical congress	20/1/2023- 22/1/2023	Nagpur, Maharashtra
5	Huljute Supriya Ravindra	Indian Pharmaceutical congress	20/1/2023- 22/1/2023	Nagpur, Maharashtra

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



72nd INDIAN PHARMACEUTICAL CONGRESS
IPC
NAGPUR
NITIKA
Theme:
"Access to Quality & Affordable Medical Products"



72nd Indian Pharmaceutical Congress, Nagpur

Certificate



It is our pleasure to certify that,

SHRUTI HANUMANT BURAD presented a Poster in Scientific Session entitled
"DEVELOPMENT, OPTIMIZATION AND EVALUATION OF SELF NANOEMULSIFYING DRUG DELIVERY FOR POORLY SOLUBLE DRUG LEVOSULPIRIDE" in the 72nd Indian Pharmaceutical Congress held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur during January 20-22, 2023.


Dr. V. G. Somani
President, IPCA


Mr. Atul Mandlekar
Chairman, LOC


Prof. Milind Umekar
Organising Secretary, LOC


Prof. Prakash Itankar
Organising Secretary, LOC


Prof. Roop K. Khar
Convener, IPCA-SSC


Prof. Dadasaheb M. Kokare
Chairman, Scientific Committee, LOC

POSTER



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



72nd Indian Pharmaceutical Congress, Nagpur

NITIKA
Theme:
"Access to Quality & Affordable Medical Products"



72nd Indian Pharmaceutical Congress, Nagpur

Certificate



It is our pleasure to certify that,

SHIVANJALI SANJAY MADANE presented a Poster in Scientific Session entitled "DESIGN OF TOPICAL CREAM CONTAINING BERBERIS ARISTATA AND PROPOLIS FOR TREATMENT OF WOUND HEALING." in the 72nd Indian Pharmaceutical Congress held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur during January 20-22, 2023.



Dr. V. G. Somani
President, IPCA



Mr. Atul Mandlekar
Chairman, LOC



Prof. Milind Umekar
Organising Secretary, LOC



Prof. Prakash Itankar
Organising Secretary, LOC



Prof. Roop K. Khar
Convener, IPCA-SSC



Prof. Dadasaheb M. Kokare
Chairman, Scientific Committee, LOC



GPAT DISCUSSION CENTRE



PES MODERN COLLEGE OF PHARMACY (FOR LADIES)
Moshi, Pune

POSTER

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Karishma PH-C

72nd Indian Pharmaceutical Congress, Nagpur



Certificate

It is our pleasure to certify that,

KARISHMA UTTAM MARKAD presented a Poster in Scientific Session entitled
“DEVELOPMENT, OPTIMIZATION AND EVALUATION OF LEVOSULPIRIDE
CONTAINING LYOPHILIZED SOLID LIPID NANOPARTICLE” in the 72nd Indian
Pharmaceutical Congress held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji
Maharaj Nagpur University, Nagpur during January 20-22, 2023.

POSTER

Dr. V. G. Somani President, IPCA	Mr. Atul Mandlekar Chairman, LOC	Prof. Milind Umekar Organising Secretary, LOC	Prof. Prakash Kankar Organising Secretary, LOC	Prof. Roop K. Khar Convener, IPCA-SSC	Prof. Dadasaheb M. Kokare Chairman, Scientific Committee, LOC



Criterion 3 - Research, Innovations and Extension



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

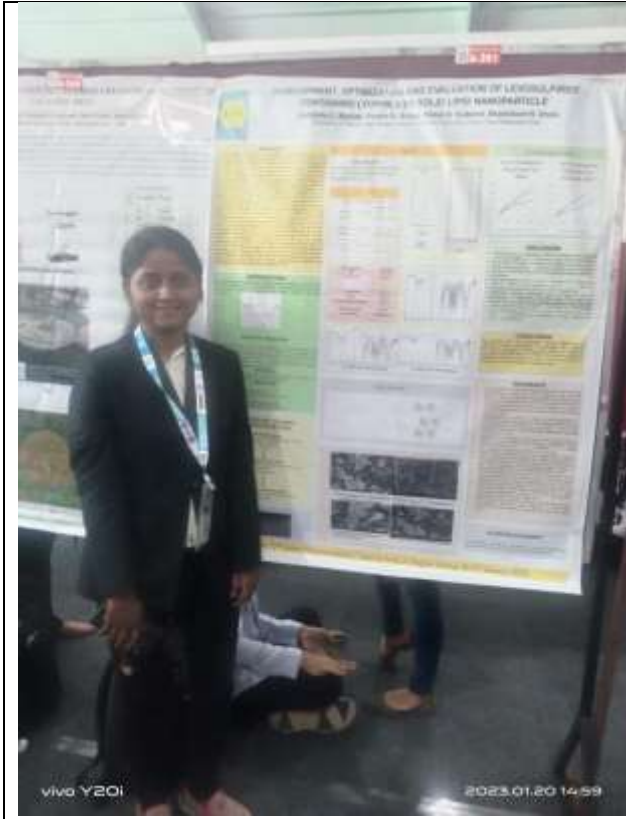


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

**Poster Presentation at national
/state level conferences**

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

LIST OF POSTER PRESENTED BY STUDENTS AND FACULTY

Sr. No.	Name	Title	Date	Place
1.	PRATIKSHA INDORE, KULDEEP H RAMTEKE, SAVITA PALVE, JYOTI RATHOD, SACHIN S GAIKWAD	VARIOUS POTENTIALS OF ISOLATED BAELE FRUIT GUM IN DROTAVERINE HYDROCHLORIDE TABLETS	09/02/2019	PES Modern College of Pharmacy (For Ladies)
2.	TAMANNA TAMBOLI, SONAL NARKE, NALINI CHAMALWAD, VRUSHALI KASHIKAR	PHYTOCHEMICAL ANALYSIS AND ANTIACNE ACTIVITY OF HERBAL EXTRACTS ON ACNE INVOLVED MICROORGANISM	09/02/2019	PES Modern College of Pharmacy (For Ladies)
3.	PRANALI RANPISE, VAISHNAVI ZAMAKADE, MINAL RAMDASI, MOHINI SHELAR, RAMTEKE K H	WEARABLE DEVICES FOR DIABETES MONITORING: A REVIEW	09/02/2019	PES Modern College of Pharmacy (For Ladies)
4.	PRIYANKA KAD, SUPRIYA MALLI, PRIYANKA SATPUTE, KRUTIKA KHANDEKAR, PRIYANKA DOKE	RECENT TRENDS IN INTRACRANIAL ANEURYSM	09/02/2019	PES Modern College of Pharmacy (For Ladies)
5.	JYOTI LOKHANDE	REVIEW ON MICROCAPSULE	09/02/2019	PES Modern College of Pharmacy (For Ladies)
6.	GEETANJALI NALAWADE, DIKSHA KADAVE, ANKITA GAIKWAD, AISHWARYA	EMERGING TRENDS OF NANOCRYSTALS IN PHARMACEUTICAL FIELD	09/02/2019	PES Modern College of Pharmacy (For Ladies)



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

	SHINDE, PRIYANKA DOKE			
7.	MADHURI BHALERAO, SUNITA KAKADE, NIKITA KHATKE, PALLAVI KALE, ROHINI PUJARI	ADVANCEMENT OF NANOTECHNOLOGY AND NANOPARTICLES IN DIAGNOSIS AND DRUG DELIVERY SYSTEM FOR CANCER TREATMENT	09/02/2019	PES Modern College of Pharmacy (For Ladies)
8.	KUCHEKAR MOHINI CHETAN, UPADHYE MOHINI HANDRASHEKAR, DHERENGE KANCHAN	THE PRELIMINARY EVALUATION OF AYURVEDIC PREPARATIONS OF TAILA'S AND CHURNA'S	09/02/2019	PES Modern College of Pharmacy (For Ladies)
9.	PRADNYA RAUT, VANMALA PATIL, PRAJAKTA CHATE, PRANJALI KHARMATE, ROHINI PUJARI	DIGITALIZATION IN PHARMACY	09/02/2019	PES Modern College of Pharmacy (For Ladies)
10.	DHANSHREE LANKE, KOMAL PATHARE, SHITAL KUTE, MRUNMAYI KALOKHE, ROHINI PUJARI	INFERTILITY : AN UPDATE ON ETIOLOGY, PATHOPHYSIOLOGY AND MANAGEMENT	09/02/2019	PES Modern College of Pharmacy (For Ladies)
11.	BAGADE O. M, DHOLE S. N., CHOUDHARI P. D	FABRICATION AND PHYSICOCHEMICAL CHARACTERIZATION OF RASAGILINE MESYLATE LOADED NANOSPONGES BY USING FOOD PROTEIN AS STABILIZER	09/02/2019	PES Modern College of Pharmacy (For Ladies)
12.	KAWARE AKSHAYA A, RANPISE AMRUTA B., KANDEKAR UJJWALA Y, DHOLE KOMAL M.,	ADVANCED DELIVERY OF ANTIBIOTICS BY NANOMATERIALS AND MOLECULAR TRANSPORTERS	09/02/2019	PES Modern College of Pharmacy (For Ladies)



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

	SHIRSATH MOHINI V.			
13.	DIKSHA KADAVE, GEETANJALI NALAWADE, ANKITA GAIKWAD, AISHWARYA SHINDE, RAHUL CHANSHETTI	PHARMACOVIGILANCE: AN ESSENTIAL TOOL FOR DRUG SAFETY MONITORING	09/02/2019	PES Modern College of Pharmacy (For Ladies)
14.	GHODEKAR NISHITA S, SHINDE NIKITA S, KONDE SONAL A, SONAVANE KAVITA S	SCR7- A LIFE SAVING ANTI CANCER DRUG	09/02/2019	PES Modern College of Pharmacy (For Ladies)
15.	MORE S D, GANGULY S A.	REVIEW ON ORAL WAFERS: A PROMINENT DRUG DELIVERY SYSTEM	09/02/2019	PES Modern College of Pharmacy (For Ladies)
16.	GHULE DEEPALI, RANI KHUTALE, SARITA BHAVARI, MOHINI UPADHYE	5 IN ONE HERBAL CREAM	09/02/2019	PES Modern College of Pharmacy (For Ladies)
17.	PRACHI GHOLVE, PRANALI JADHAV, SADRE KIRAN	DIABETIC COMPLICATIONS AND ITS PREVENTION	09/02/2019	PES Modern College of Pharmacy (For Ladies)
18.	MRUNALI PISAL, NIKITA RALE, VAIBHAVI GANGE, OM BAGADE	NANOROBOTICS	09/02/2019	PES Modern College of Pharmacy (For Ladies)
19.	SHALAKA DUMBRE, SHWETA DHUMAL, KANCHAN KHOPADE, CHITANYA KULKARNI	NOVEL ANTIMICROBIAL POLYHERBAL OINTMENT	09/02/2019	PES Modern College of Pharmacy (For Ladies)
20.	SAMRUDDHI PISE, ROHINI PUJARI, RUTUJA	APPLICATION OF 3D PRINTING TECHNOLOGY	09/02/2019	PES Modern College of



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

	NIKITA			
27.	PRIYANKA WAGH, POOJA JADHAV, PRIYA SARAF, AISHWARYA DHUMAL, V A WARD, ROHINI PUJARI	STEM CELL THERAPY : A NEW PARADIGM	09/02/2019	PES Modern College of Pharmacy (For Ladies)
28.	RUTUJA H YADAV, SNEHAL A KAMATE, PREETI T SAKORE, OM M BAGADE	CONSIDERATION OF CHEMOTHERAPY FOR ERADICATION OF CANCER IN HUMAN BEING	08/02/2020	PES Modern College of Pharmacy (For Ladies)
29.	DHANSHREE JAGTAP, ARCHANA BHUJBAL, NILESH KULKARNI	FORMULATION AND EVALUATION CLOVE OIL CONTAINING TOOTHPASTE	08/02/2020	PES Modern College of Pharmacy (For Ladies)
30.	KHALANDKAR NIKITA, CHOUDHARY NARANGIDEVI, JADHAV TWINKLE, KAD AKANKSHA, KANDEKAR UJJWALA	BREAK THROUGH IN TREATMENT OF BURN INJURIES: A REVIEW	08/02/2020	PES Modern College of Pharmacy (For Ladies)
31.	SNEHAL KUMBHAR, SNEHAL SHINDE, NIKITA BHILARE, ROHINI PUJARI	LEPROSY: A COMPREHENSIVE REVIEW	08/02/2020	PES Modern College of Pharmacy (For Ladies)
32.	RUTUJA SONAWANE, VAIBHAVI GANAGE AND AISHWARYA LAGAD	A40 STEM CELL THERAPY	08/02/2020	PES Modern College of Pharmacy (For Ladies)



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

33.	SIMRAN YADAV, RUTUJA RALE, MOHINI UPADHYE, ROHINI PUJARI	PREPARATION AND EVALUATION OF IMPORTANT POLYHERBAL AYURVEDIC MEDICINE: DRAKSHVALEHA	08/02/2020	PES Modern College of Pharmacy (For Ladies)
34.	PRIYA GUNJAL, APOORVA LANKE, MOHINI UPADHYE, MANOJ MUNDE	FORMULATION DEVELOPMENT OF HERBAL ANTIINFLAMMATORY OINTMENT	08/02/2020	PES Modern College of Pharmacy (For Ladies)
35.	ANJALI, PRANZALI ZOPE, MOHINI UPADHYE, NILESH KULKARNI	PREPARATION AND EVALUATION OF TISANES CONTAINING UNIQUE BLEND OF HERBS TO PACIFY VATA, KAPHA AND PITTA DOSHA	08/02/2020	PES Modern College of Pharmacy (For Ladies)
36.	SHRAVNI RAKSHE, SUJITA GHONGADE, MOHINI UPADHYE, SMITA MORE	DEVELOPMENT OF A NOVEL NEUTRACEUTICAL FORMULATION CONTAINING TURMERIC AND NEEM EXTRACTS	08/02/2020	PES Modern College of Pharmacy (For Ladies)
37.	PRIYANKA V. HANDARGULE, V.S. VICHARE AND S. N. DHOLE	SIMULTANEOUS ESTIMATION OD DAPSONE AND ADAPALENE IN GEL FORMULATION BY DERIVATIVE SPECTROSCOPIC METHOD	08/02/2020	PES Modern College of Pharmacy (For Ladies)
38.	SHWETA LAVATE, AISHWARYA MANDLE, SHWETA GARJE, KAJAL GAWANDE	ASHMI: HERBAL DRY SHAMPOO	08/02/2020	PES Modern College of Pharmacy (For Ladies)



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

39.	PRADNYA SWAMI, SMITA MORE, SNEHA RASHINKAR, SHWETA BHAGWAT	COLLOIDS AND ITS RECENT ADVANCES IN PHARMACEUTICALS	08/02/2020	PES Modern College of Pharmacy (For Ladies)
40.	MRS. VINAYA A. WARAD MS. SHRADHA KANADE, ANKITA THORAT	UNTIL THERE IS A CARE THERE IS HOPE – HERE IS THE HOPE FOR ALZHEIMER	08/02/2020	PES Modern College of Pharmacy (For Ladies)
41.	CHAUDHARI NIKITA, GAWALI PRACHI, JADHAV SAKSHI, BHUJBAL-KHETMALIS PALLAVI	COLORING PIGMENTS FROM NATURAL SOURCES	08/02/2020	PES Modern College of Pharmacy (For Ladies)
42.	JYOTI LOKHANDE, SMITA MORE	STRATERGIES AND PROSPECTIVES OF NASAL DRUG DELIVERY SYSTEM	08/02/2020	PES Modern College of Pharmacy (For Ladies)
43.	ROHINI R. PUJARI, MOHINI C. UPADHYE, RAKSHE SHRAVANI	NOVEL CORONA VIRUS (2019- NCOV): A COMPREHENSIVE REVIEW	08/02/2020	PES Modern College of Pharmacy (For Ladies)
44.	ROHINI R. PUJARI, SNEHAL KUMBHAR, SNEHAL SHINDE	TYPE 1 DIABETES MELLITUS: AN OVERVIEW OF ITS CONVENTIONAL AND MODERNIZED MANAGEMENT	08/02/2020	PES Modern College of Pharmacy (For Ladies)
45.	AISHWARYA ICHAKE, ASHWINI BANGAR, MONALI WAYKAR, SHRUTI SURVASE	ANTIBIOTIC RESISTANCES: SUPERBUGS	08/02/2020	PES Modern College of Pharmacy (For Ladies)
46.	KAJAL KHILLARE, PRATIKSHA BHOJANE, DIVYA CHAVAN, OM BAGADE, ANKITA	PREBIOTICS AND PROBIOTICS : A CRITICAL APPRAISAL	08/02/2020	PES Modern College of Pharmacy (For Ladies)



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

	CHAUDHARI, SAROJA SURVASE			
47.	DIVYA CHAVAN, PRATIKSHA BHOJANE, KAJAL KHILLARE , OM BAGADE, ASWINI MALI	DIFFERENT TECHNIQUES OF IONTOPHORESIS AND ITS APPLICATION : WAY TO DRUG DELIVERY SYSTEM	08/02/2020	PES Modern College of Pharmacy (For Ladies)
48.	PRATIKSHA BHOJANE, DIVYA CHAVAN, KAJAL KHILLARE, ANKITA CHAUDHARI, OM BAGADE	STUDY OF PRE-EXTRACTION TECHNIQUES OF CRUDE DRUGS AND DIFFERENT EMERGING EXTRACTION METHODS	08/02/2020	PES Modern College of Pharmacy (For Ladies)
49.	MAYURI MAGAR, PALLAVI ZAWARE, JAYSHREE SONAWANE, NILESH KULKARNI	A NOVEL APPROACH OF SPHERICAL AGGLOMERATION	08/02/2020	PES Modern College of Pharmacy (For Ladies)
50.	RUTUJA SONAWANE, VAIBHAVI GANAGE, VINAYA WARAD,	REALITY CHECK BIODEGRADABLE SANITARY NAPKINS	08/02/2020	PES Modern College of Pharmacy (For Ladies)
51.	RUTUJA UMATE, SMITA MORE, POOJA AUTI, PRIYANKA KOKATE	REVIEW ON ANTIBACTERIAL ACTIVITY OF HERBS	08/02/2020	PES Modern College of Pharmacy (For Ladies)
52.	POOJA MORE, SMITA MORE, MOHINI UPADHYE, MANOJ MUNDE, SALONI BOGAL, NUTAN DATE	NUTRACEUTICAL NOVEL PERSPECTIVE FOR HEALTH PROMTION AND DISEASE PREVENTION	08/02/2020	PES Modern College of Pharmacy (For Ladies)
53.	RICHARDSON CHARMINE, MOHINI UPADHYE, MOHINI KUCHEKAR	SUSTAINED RELEASE HERBAL MATRIX TABLETS PREPARATION AND THERE EVALUATION	08/02/2020	PES Modern College of Pharmacy (For Ladies)
54.	NIKITA BORHADE,	FORMULATION AND	08/02/2020	PES Modern



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

	MOHINI UPADHYE, POONAM P. TARU, PRANALI GORE, TRUPTI BEDRE	CHARACTERIZATION OF TRIPHALA CHURNA		College of Pharmacy (For Ladies)
55.	SAKSHI ARJUN, POONAM P. TARU, JUEE BHALEKAR, VAISHNAVI JADHAV	FORMULATION AND CHARACTERIZATION OF MEDICATED PAIN RELIEF OIL	08/02/2020	PES Modern College of Pharmacy (For Ladies)
56.	ROHINI PUJARI, NIKITA CHAUDHARI, KALPITA KULKARNI	ICTHYOSIS: AN UPDATE	23/02/2020	PES Modern College of Pharmacy (For Ladies)
57.	KANDEKAR UJJWALA Y., ABHANG TEJAL R.	<i>AMORPHOPHALLUS</i> <i>PAEONIA FOLIUS</i> STARCH: AS NOVEL ALTERNATIVE DISINTEGRANT FOR PHARMACEUTICAL APPLICATION	23/02/2020	PES Modern College of Pharmacy (For Ladies)
58.	MANOJ MUNDE, NIKITA RUKHE	A REVIEW ON ANALYTICAL METHOD DEVELOPMENT AND VALIDATION FOR ANTIDIABETIC DRUGS BY UV, HPLC AND HPTLC	23/02/2020	PES Modern College of Pharmacy (For Ladies)
59.	RESHMA M. TATHE SANTAJI NALWADE, TAMBE V. S	NOVEL STABILITY INDICATING HPLC METHOD FOR DETERMINATION OF RELATED SUBSTANCES PRESENT IN CLOBAZAM ORAL SUSPENSION	23/02/2020	PES Modern College of Pharmacy (For Ladies)
60.	PRIYANKA PATIL,	GENERAL CHARACTERIZATION AND PROTEOMICS	23/02/2020	PES Modern College of Pharmacy



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

	VRUSHALI S TAMBE	ANALYSIS OF SNAKE VENOM TOXINS		(For Ladies)
61.	SUSHAMA TURE, AKANKSHA SHINDE, RANI GURUDASANI	RISK OF COMPLICATIONS IN OBESE PATIENTS	23/02/2020	PES Modern College of Pharmacy (For Ladies)
62.	JYOTI RATHOD, PRATI KSHA S. INDORE, NILESH S. KULKARNI	A NOVEL APPROACH OF SELF MICRO EMULSIFYING DRUG DELIVERY FOR OCULAR ADMINISTRATION	23/02/2020	PES Modern College of Pharmacy (For Ladies)
63.	PUJA S. WAKASE, MUKTA A. KULKARNI, NILESH S. KULKARNI	A SYSTEMATIC REVIEW ON ORAL DRUG DELIVERY AS A FAST DISSOLVING FILM TO IMPROVE THERAPEUTIC EFFECTIVENESS	23/02/2020	PES Modern College of Pharmacy (For Ladies)
64.	PRATI KSHA INDORE, KAJAL BATWAL, JYOTI RATHOD, NILESH KULKARNI	PREPARATION AND CHARACTERIZATION OF NANO-PARTICULATE SOLID TERNARY SYSTEM OF CARBAMAZEPINE OBTAINED BY FREEZE DRYING TECHNIQUE	23/02/2020	PES Modern College of Pharmacy (For Ladies)
65.	SALONI J. BHOGAL, MANOJ K. MUNDE, NILESH S. KULKARNI	EVALUATION OF VARIOUS MARKETED HAIR CONDITIONER	23/02/2020	PES Modern College of Pharmacy (For Ladies)



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

66.	SAMRUDDHI PISE, RUTUJA PANSARE, MOHINI UPADHYE	MASK FOR VIRAL INFECTIONS, ENERGY BOOSTING AND STRESS RELIEF	23/02/2020	PES Modern College of Pharmacy (For Ladies)
67.	KAD D. R. KALDOKE PRIYA, TOTRE AKSHADA	INVESTIGATION OF ANTIVENOM ACTIVITY OF <i>TAMARINDUS</i> <i>INDICA</i> SEED EXTRACT	23/02/2020	PES Modern College of Pharmacy (For Ladies)
68.	ANKITA K. CHAUDHARI, OM M. BAGADE	STRUCTURAL EVIDENCE OF DIFFERENTIAL FORMS OF NANOCRYSTALS AND ITS EFFECT ON SOLUBILIZATION OF A MODEL DRUG BY RESPONSE SURFACE METHODOLOGY	23/02/2020	PES Modern College of Pharmacy (For Ladies)
69.	ROHINI R. PUJARI, MOHINI C. UPADHYE, SNEHAL KUMBHAR, SNEHAL SHINDE	<i>HYLOCEREUS</i> <i>POLYRHIZUS</i> (DRAGON FRUIT) - AN OVERVIEW	23/02/2020	PES Modern College of Pharmacy (For Ladies)
70.	PRIYA GUNJAL, ANJALI, MOHINI UPADHYE	COMPREHENSIVE STUDY ON STANDARDIZATION PARAMETERS OF INDIGENOUS MEDICINAL PLANTS	23/02/2020	PES Modern College of Pharmacy (For Ladies)
71.	SNEHA RASHINKAR , DIPALI RODE, VIJAYA VICHARE	STRUCTURE BASED DRUG DESIGN	23/02/2020	PES Modern College of Pharmacy (For Ladies)
72.	M.K. MUNDE, ARCHANA B GORE, N.S. KULKARNI	A REVIEW ON ANALYTICAL	23/02/2020	PES Modern College of



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

		METHOD DEVELOPMENT AND VALIDATION FOR ANTIRETROVIRAL DRUGS		Pharmacy (For Ladies)
73.	TEJASHRI SAWANT, VRUSHALI S TAMBE	FORMULATION DEVELOPMENT AND EVALUATION OF HERBAL ANTIALLERGIC CREAM	23/02/2020	PES Modern College of Pharmacy (For Ladies)
74.	VINAYA A. WARAD, ANKITA THORAT, SHWETA LAVATE, KOMAL PABALE	WATER NEVER BECOMES STALE	23/02/2020	PES Modern College of Pharmacy (For Ladies)
75.	SNEHAL H. SUTAR, SHAILAJA D. KADAM, MOHINI C. UPADHYE	A REVIEW ON COMPARATIVE ANALYSIS OF PHENOLIC, FLAVONOID CONTENT AND ANTIOXIDANT POTENTIAL OF ENDOGENOUS MEDICINAL PLANT	23/02/2020	PES Modern College of Pharmacy (For Ladies)
76.	PRIYANKA HANDARGULE, VIJAYA VICHARE	INHERENT STABILITY TESTING OF ANTI-ACNE DRUG COMBINATION BY DIFFERENT VALIDATED CHROMATOGRAPHIC METHODS	23/02/2020	PES Modern College of Pharmacy (For Ladies)
77.	VIBHAVARI M. CHATUR, DR. S. N. DHOLE	PHARMACEUTICAL VALIDATION: A MANDATORY PERSPECTIVE	23/02/2020	PES Modern College of Pharmacy (For Ladies)
78.	ROHINI PUJARI,	IN-VITRO FERTILIZATION- AN IMPORTANT TOOL	23/02/2020	PES Modern College of Pharmacy



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

	ICHAKE AISHWARYA, ANUJA MUNDHE	ASSISTED REPRODUCTIVE TECHNOLOGY		(For Ladies)
79.	RAKSHA LAXMAN MHETRE· VISHAL BHANUDAS HOL· SHASHIKANT N DHOLE	RP-HPLC BIOANALYTICAL METHOD FOR QUANTIFICATION OF CILNIDIPINE IN HUMAN PLASMA	23/02/2020	PES Modern College of Pharmacy (For Ladies)
80.	PRITI RAGHU, RAKSHA LAXMAN MHETRE· VISHAL BHANUDAS HOL· SHASHIKANT N DHOLE	DEVELOPMENT AND VALIDATION OF UV/VIS METHOD FOR QUANTIFICATION OF TELMISARTAN IN DOSAGE FORM	23/02/2020	PES Modern College of Pharmacy (For Ladies)
81.	PRATIKSHA BHOJANE, DIVYA CHAVAN	THERMAL AND X- RAY CRYSTALOGRAPHIC STUDY IN DEVELOPMENT OF FORMULATION STAGE	23/02/2020	PES Modern College of Pharmacy (For Ladies)
82.	DIVYA CHAVAN	FORMULATION AND EVALUATION OF MULTIGRAIN COOKIES	23/02/2020	PES Modern College of Pharmacy (For Ladies)
83.	KAJAL KHILARI, DIVYA CHAVAN, PRATIKSHA BHOJANE, OM BAGADE	DRY POWDER INHALER: AN EXPLOITATION OF EMERGING TECHNIQUE	23/02/2020	PES Modern College of Pharmacy (For Ladies)
84.	ASHWINI R.	FABRICATION OF STATISTICAL OPTIMIZATION	23/02/2020	PES Modern College of



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

	MALI, OM M BAGADE	OF CARBAMAZEPINE LOADED NANOCOMPOSITE BEADS		Pharmacy (For Ladies)
85.	MAYURI BHOSALE, SMITA MORE	FORMULATION AND EVALUATION OF COLLOID BASED EMULGEL FOR TOPICAL DRUG DELIVERY	23/02/2020	PES Modern College of Pharmacy (For Ladies)
86.	SONALA, KONDE, MAYURI M. MORE, V. S. TAMBE	A REVIEW ON IN VIVO AND IN VITRO TESTING OF ANTIALLERGIC FORMULATIONS	23/02/2020	PES Modern College of Pharmacy (For Ladies)
87.	SAYALI SHRIKANT NARWADKAR	REVIEW ON DEVELOPMENT OF NANOSPONGES	23/02/2020	PES Modern College of Pharmacy (For Ladies)
88.	SNEHAL SANJAY SUTAR, PRATIKSHA KADAM	A REVIEW ON PULSATILE DRUG DELIVERY SYSTEM	23/02/2020	PES Modern College of Pharmacy (For Ladies)
89.	POONAM TARU., PRIYANKA MULE., SHIVANI ZARKAR., APARNA PATIL	DESIGN, DEVELOPMENT AND IN-VITRO CHARACTERIZATION OF TOOTH POWDER BY USING COW DUNG	23/02/2020	PES Modern College of Pharmacy (For Ladies)
90.	NIKITA JALSAKARE,HIRAL GIRASE, RUTUJA YADAV, ANKITA	REFORMULATION: STRENGTHEN THE FOUNDATION FOR FORMULATION AND DEVELOPMENT	23/02/2020	PES Modern College of Pharmacy (For Ladies)



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

	CHAUDHARI, OM BAGADE			
91.	SAROJA SURVASE, ASHWINI R. MALL, ANKITA K. CHAUDHARI, OM M. BAGADE	FORMULATION, DEVELOPMENT AND STATISTICAL OPTIMIZATION OF LOSARTAN POTASSIUM LOADED MICROSPONGES DRUG DELIVERY SYSTEM	23/02/2020	PES Modern College of Pharmacy (For Ladies)
92.	ROHINI PUJARI, NIKITA BHILARE, APARNA PATIL	CONSEQUENCES OF ERRORS IN VALIDATION	23/02/2020	PES Modern College of Pharmacy (For Ladies)
93.	VAISHNAVI CHINCHANSURE	STUDY OF DIFFERENT APPROACHES OF TABLET COATING AND ITS IMPACT IN DEVELOPMENT STAGE	23/02/2020	PES Modern College of Pharmacy (For Ladies)
94.	MUKTA A. KULKARNI, PUJA S. WAKASE, SANGHMAITRA B. GHULE, NILESH S. KULKARNI	DEVELOPMENT OF GASTRO RETENTIVE CONTROLLED RELEASE FLOATING TABLET OF RANOLAZINE HYDROCHLORIDE PREPARED BY WET GRANULATION	23/02/2020	PES Modern College of Pharmacy (For Ladies)
95.	SHUBHADA SHINDE	SOLUBILITY ENHANCEMENT BY SOLID DISPERSION	23/02/2020	PES Modern College of Pharmacy (For Ladies)





Abstract Book

A1

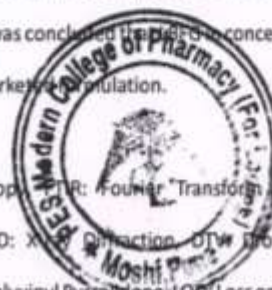
**Various Potentials of Isolated Bael Fruit Gum in
Drotaverine Hydrochloride Tablets**

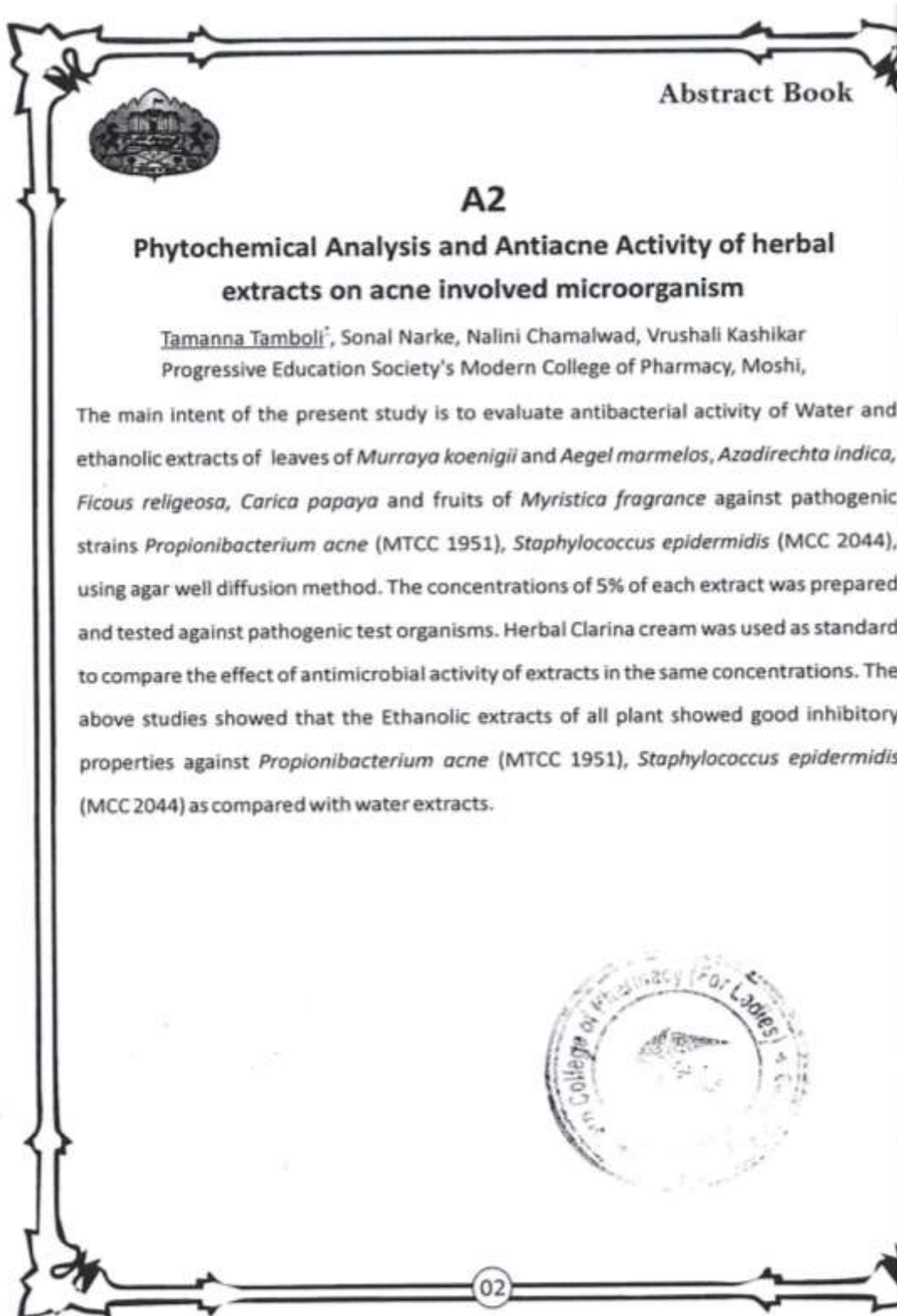
Pratiksha Indore^{*1}, Kuldeep H. Ramteke¹, Savita Palve¹, Jyoti Rathod¹, Sachin S. Gaikwad²
Progressive Education Society's Modern College of Pharmacy, Moshi,
Savitribai Phule Pune University, Maharashtra, India.
Sangamner, Savitribai Phule Pune University,
Dist- Ahmednagar Maharashtra 422608, India

Gum constitutes a major group of naturally occurring polymer. Bael (*Aegle Marmellose linn*) fruits are edible, and reported in ancient system of medicines for their various activities. The present research work was conducted to evaluate the various excipients potential of bael fruit gum (BFG) for solid dosage form. BFG was isolated from partially ripe fruits of Bael. Identification and Standardization of BFG was carried out as per the stated procedures in the pharmacopoeia. Solid state characterization of BFG was done by SEM, FTIR, DSC and XRD techniques. Different formulations were prepared to check the excipients profile of BFG like disintegrant, diluents, binder and carrier for solid dispersion. Drotaverine Hydrochloride (DTV) was used as model drug for this experiment. Prepared formulations were optimized by using the SeDeM diagram expert system. BFG possess good compressibility, flowability, low moisture content, neutral pH, amorphous nature and good water solubility. It also possesses the binder and disintegrant property. When BFG was lyophilized, it act as the superdisintegrant in immediate release tablets. Comparison of the BFG and Lyophilized BFG (LBFG) physicochemical properties shows that LBFG possess superior disintegrant potential as compare to BFG for immediate release tablet. From the research work it was concluded that BFG concentration range of 10-12% shows superdisintegrant activity, same as marketed formulation.

ABBREVIATIONS:

BFG: Bale Fruit Gum, SEM: Scanning Electron Microscopy, FTIR: Fourier Transform Infrared Spectroscopy, DSC: Differential Scanning Calorimetry, XRD: X-ray Diffraction, DTV: Drotaverine Hydrochloride, LBFG: Lyophilized Bale Fruit Gum, PVP K-30: Polyvinyl Pyrrolidone, LOD: Loss on Drying.







Abstract Book

A3

Wearable Devices for Diabetes Monitoring: A Review

Pranali Ranpise^{1*}, Vaishnavi Zamakade¹, Minal Ramdasi¹, Mohini Shelar, Ramteke.K.H¹.

¹P.E.S. Modern College of Pharmacy (For Ladies) Moshi, Pune

Diabetes Mellitus is an incurable disease resulting from an insufficiency of insulin in the body causing elevated blood glucose level known as Hyperglycemia or reduce glucose concentrations known as Hypoglycemia. A large amount of biosensors have been developed to provide diagnostic information regarding patient's health status. Wearable technology is a category of technological devices that can be worn by consumers and often include tracking information related to health and fitness. Devices such as Finger pricking device, Continuous glucose monitor, Glucose sensing patch, Flexible glucose sensor.

Wearable sensors have the potential to play a major role in the continuous and non invasive monitoring of biomarkers for diabetes mellitus. These all wearable devices provide an information base. This information is used for disease monitoring or diagnosis. It provides tangible impact on health and wellness. This review gives idea about advantages and disadvantages of recent advances pertaining to biological fluids other than blood such as interstitial fluid, sweat, saliva and ocular fluid. It also focus particularly on non invasive approaches which may enable continuous glucose monitoring for Diabetics.





Abstract Book

A7

Recent Trends in Intracranial Aneurysm

Priyanka Kad', Supriya Mali, Priyanka Satpute, Krutika Khandekar, Priyanka Doke

PES's Modern College of Pharmacy (For Ladies) Moshi.

Smart Healthcare is a relatively new context-aware healthcare paradigm influenced by several fields of knowledge, namely medical informatics, communications and electronics, bioengineering, ethics and so on. Thus, many challenging problems are related to smart healthcare but in many cases they are explored individually in their respective fields and, as a result, they are not always known by the smart healthcare research community working in more specific domains. The aim of this article is to identify some of the most relevant trends and research lines that are going to affect the smart healthcare field in the years to come. The most appropriate treatment for cerebral aneurysms, both ruptured and unruptured, is currently under debate, and updated guidelines have yet to be defined. Multiple variables were categorized and subjected to statistical analysis for International Classification of Diseases, 9th Revision, Clinical Modification codes related to subarachnoid hemorrhage (SAH), unruptured aneurysm, and clipping and endovascular treatment of cerebral aneurysm. During the study period, the numbers of discharges remained stable for SAH but doubled for unruptured aneurysms. Concomitantly, the number of aneurysms treated with clip placement remained stable, and the number treated by means of endovascular procedures doubled. Endovascular treatment was associated with significantly higher mortality rates in small hospitals ($p < 0.01$) and steadily increasing morbidity rates (as measured by mean LOS, and mean charges were higher for aneurysm clipping ($p < 0.01$). From 1999 to 2003, endovascular techniques for aneurysm occlusion have been increasingly used, while the use of surgical clipping procedures has remained stable.





Abstract Book

A9

Emerging Trends of Nano Crystals in Pharmaceutical Field

Geetanjali Nalawade, Diksha Kadave, Ankita Gaikwad, Aishwarya Shinde, Priyanka Doke*
PES's Modern College of Pharmacy (For Ladies) Moshi, Pune.

Nanotechnology is the science which affects our lives tremendously over the next decade in pharmacy. Transfer of microcrystal to nanocrystals or nanodimension changes its physical properties which were used in pharmaceuticals to develop a new innovative formulation. The nanocrystal technology is not any more to the feature. There are various drugs which are available in market i.e. rapamune (immunosuppressant) & emend (chemotherapy). The low bioavailability and general delivery problems related to poor soluble drugs are major problems in the pharmaceutical preparations. The crystals have small (nano- or micro- meters) sizes, the increased surface-volume ratio leads to dramatically enhanced drug dissolution velocity and saturation solubility. There are several important advantages of nanocrystal formulations such as, enhanced oral bioavailability, improved dose proportionality, reduced food effects, suitability for administration by all routes and possibility of sterile filtration due to decreased particle size range. They are used as physical approach to alter and improve the pharmacokinetics and pharmacodynamics properties of various types of drug molecule. They have been used *in vivo* to protect the drug entity in the systemic circulation. The nanocrystal technology of the first generation is briefly reviewed, i. e. mainly Ball Milling and High Pressure Homogenization (HPH) in water. Smart Crystals as second generation of the drug nanocrystals differ in their physicochemical properties. The production has been optimized by introducing modifications to the HPH process. This leads to faster production, smaller nanocrystals and an improved physical stability. This has also implications for improved *in vivo* performance after dermal application and oral or intravenous administration.

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

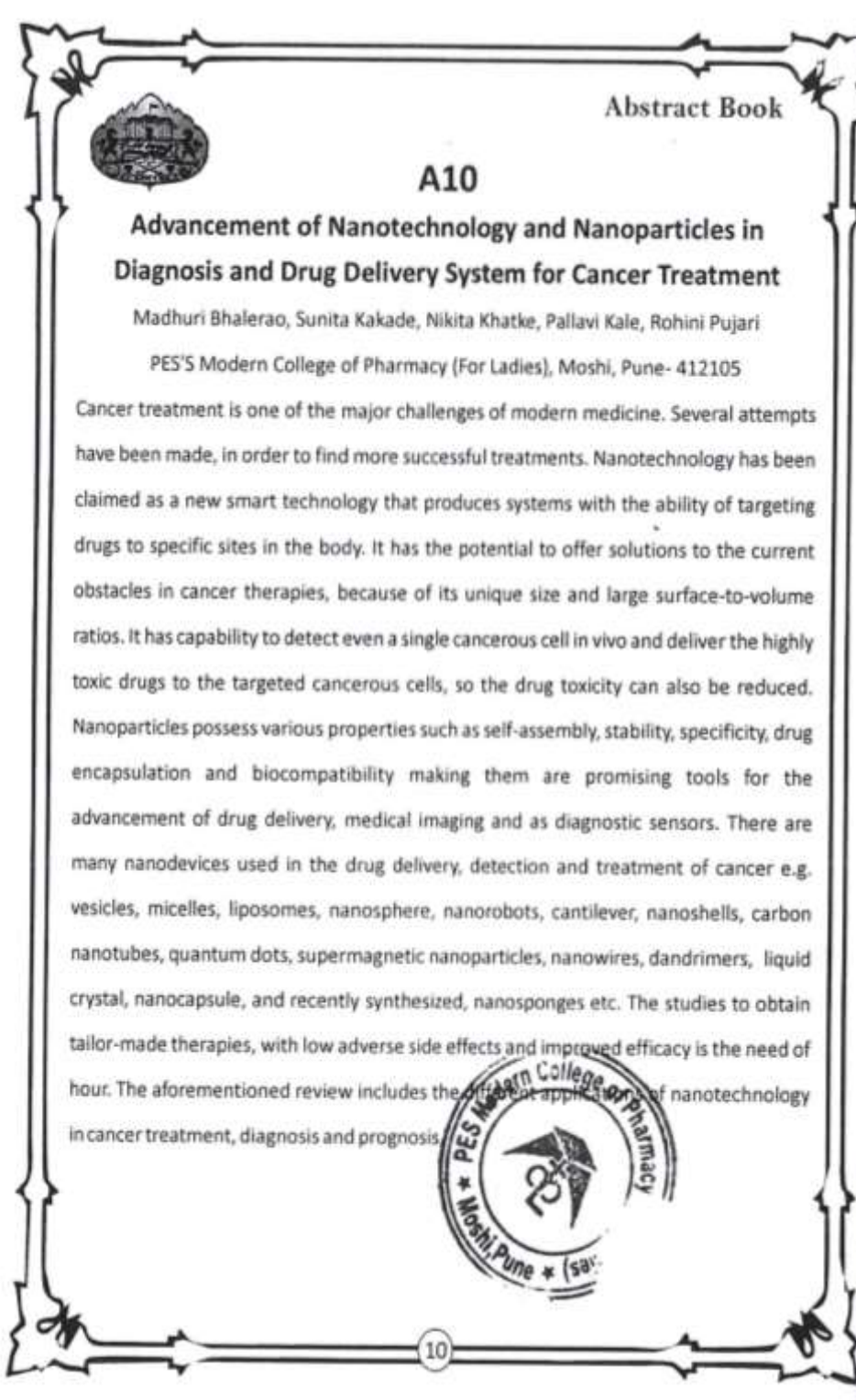
Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

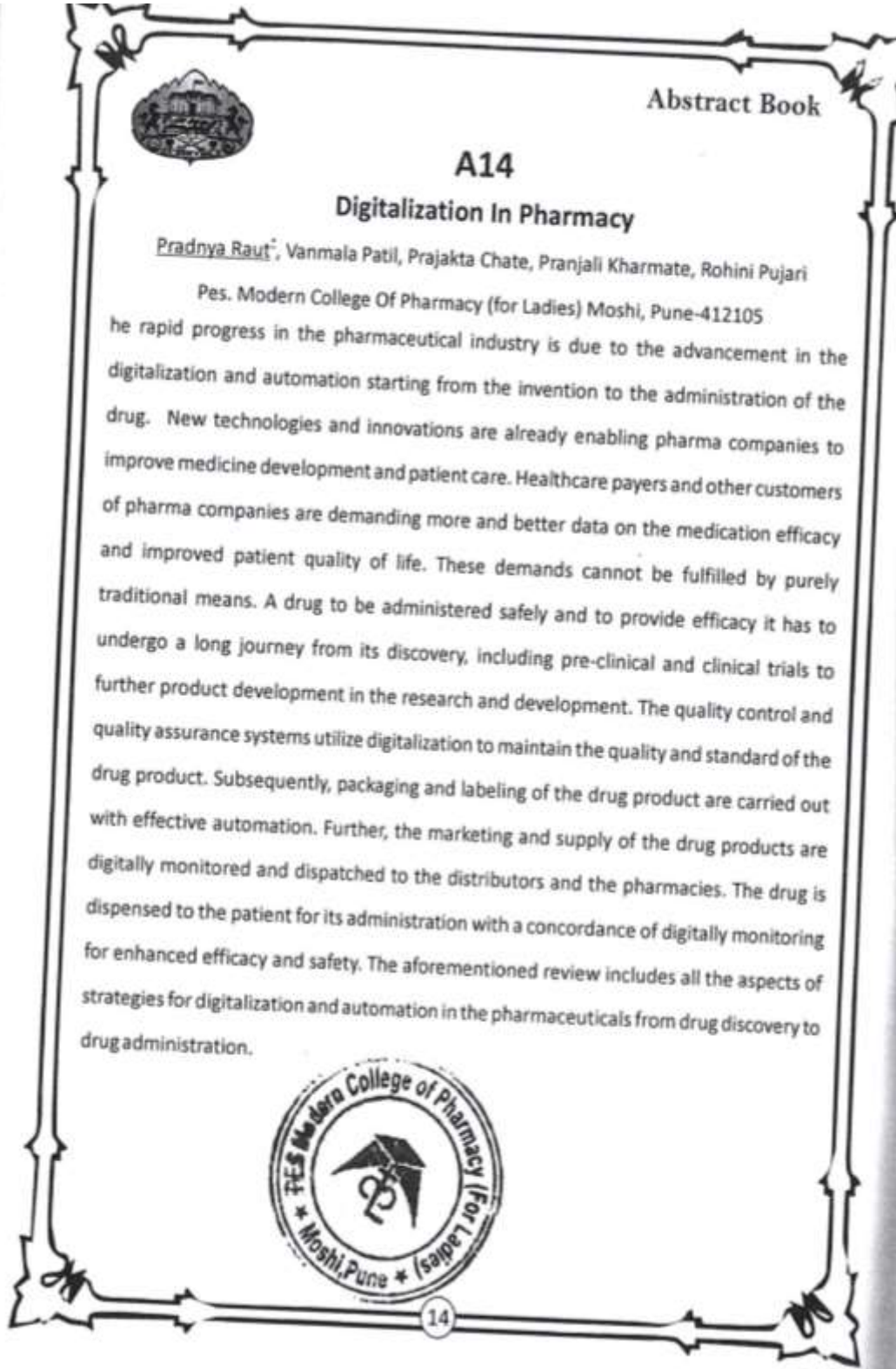
Abstract Book

A8
Review on Microcapsule
Jyoti Lokhande
PES'S Modern College of Pharmacy (For Ladies), Moshi

Microcapsule content an active agent & surrounded polymeric shell or dispersed in polymeric matrix. Microcapsule are a small sphere with a uniform wall around the material inside the core/inherent phase, whereas the wall is some times called shell/coating. There are reasons for microencapsulation. It is mainly used to increase stability & sustained/prolonged release of the product. Controlling the release rate of drug from the microcapsule. This technique was widely used for masking taste & odor of many drugs and to improve patient compliance. There are different types of microcapsules with different mechanisms of drug release from microcapsule. It involves different mechanisms, factors influencing properties of microcapsule. Technique for preparation of microcapsule. Application of microcapsule and microencapsulation.

08





Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Abstract Book

A15

Infertility: An update on etiology, pathophysiology and management

Dhanashree Lanke, Komal Pathare, Shital Kute, Mrunmayi Kalokhe, Rohini Pujari
¹PES, Modern College of Pharmacy (For Ladies) Moshi, Pune- 412105

Infertility is defined as the inability to conceive naturally after one year of regular unprotected intercourse. Infertility can be manifested either as the inability to become pregnant, inability to uphold a pregnancy, and inability to continue a pregnancy till term. There are various causes of female and male infertility. A vast number of investigations can be done to rule out the exact cause of infertility both in males and females. There are various treatment modalities that may be useful for the infertile couples. Although, for infertility treatment, couples visit gynecologists, but along with them the nurse midwives play an important role to help the couple explore and identify problems related to reproductive health and coordinate with multidisciplinary team to promote and maintain reproductive health. The aforementioned review provides information regarding all the infertility causes, investigations, treatment modalities and role of nurse midwife in dealing with infertile couples.



15



Abstract Book

A17

**Fabrication and Physicochemical Characterization of
Rasagiline mesylate Loaded Nanosponges by
Using Food Protein as a Stabilizer**

Bagade O. M¹, Dhole S. N¹, Choudhari P. D²

¹PES's Modern College of Pharmacy (For Ladies), Moshi, Pune- 412105,

²PES's Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune-411044,

Nanosponges are tiny sponges with a size of about a virus, which can be filled with a wide variety of drugs and can circulate around the body until they encounter the specific target site and stick on the surface and begin to release the drug in a controlled and predictable manner. The present study was carried out to exploit the feasibility of polymeric nanosponges as an alternative carrier for targeting Rasagiline mesylate for improving poor oral bioavailability. It is a selective irreversible MAO-B inhibitor with good lipid solubility, poor oral bioavailability (around 36%) due to first pass metabolism and poor water solubility. Rasagiline mesylate loaded nanosponges with different polymers were developed by Quasi-ESD with CCD was evaluated for various physicochemical parameters. On the basis of production yield and practicability of the method, this method was selected for the formulation. Infra-red studies revealed that there was no interaction between the drug and polymer which showed compatibility. In DSC, endothermic peak was observed which indicated substantial crystalline change of drug due to nanosizing. XRD of formulation confirmed that formation of amorphous product which might lead to enhanced solubility of the drug. From the CCD it was observed that best optimized formulation was F4 showed i.e (Ee) 91.4%, (PS) 267.22 nm and %CDR 91.69%. The particle size analysis revealed that 90% of the particles had a particle size around 267.22 nm which perfectly matched with the SEM (Average by scale 233.40 nm) had almost round and uniform shape and an average particle size of 209 nm was observed in TEM. The value of zeta potential -19.9 mV indicates the more retention time for nanosponges. Long term stability. **Conclusion:** From the accelerated stability study, it was concluded that prepared nanosponge was stable. It is thus concluded that controlled drug delivery system polymer and soy protein based systems has been proposed to be conquest both in present and in future; as having copious prospective advantages for scientific as well as economic reasons.

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Abstract Book



A19

Pharmacovigilance :An essential tool for drug safety monitoring

Diksha Kadave, Geetanjali Nalawade, Ankita Gaikwad,

Aishwarya Shinde, Rahul Chanshetti*

PES, Modern College of Pharmacy (For Ladies), Moshi, Pune- 412105

Pharmacovigilance is instrumental in helping to ensure patient safety for both newly released drugs and those that are well established in the market. The safety concern of drug is now becoming the priority area in healthcare industry, drug regulatory authorities and public community. Nowday's usage of medicine has been increasing day by day and pharmaceutical companies are developing new drug products and humans begin taking more and effective drugs as well as investigational drugs. Safety and efficacy are the two major predominant considerations about any drug. In each and every phase of a products life cycle pharmacovigilance plays a critical role. Thus, significance of pharmacovigilance is developing and became very important and inseparable part of clinical research. Finally the conclusion describes the major challenges and achievements for the future pharmacovigilance safety and toxicity is not so critical if botanicals are used in traditional forms.



19

Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Abstract Book



A21

Review on Oral Wafers: A Prominent Drug Delivery System

More S. D., Ganguly S. A*

PES's Modern College of Pharmacy (For Ladies) Moshi, Pune.

In the recent few decades, priorities has been focused for more patient compliant dosage forms. Oral route for drug delivery is preferred over other routes because of its versatility. At all the times there are rising struggle for developing a dosage form which improve patient convince and compliance particularly for Oral drug delivery system. Wafers are thin polymeric films used as carriers for pharmaceutical agents. This innovative dosage form is taken orally but does not require water or swallowing. Wafers improve patient compliance and provide a rapid onset of action and reduce the extent of hepatic first pass metabolism. Due to small size, little dose, less thickness of wafer over other dosage form is most acceptable and pleasant. Oral wafer drug delivery system is an alternative approach for the tablets, capsules, and liquid oral dosage forms. The major difficulty in formulating wafer is the choice of drugs to be incorporated. Wafers with low dose of active pharmaceutical ingredient (API) and with a good mouth feel are prepared for making it more patients compliant. The manufacturing procedures are quite similar to oral disintegrating film but the composition of polymers may vary.



21

Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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


Abstract Book

A22
5 In One Herbal Cream

Ghule Deepali, Rani Khutale, Sarita Bhavari, Mohini Upadhya
PES'S Modern College of Pharmacy (For Ladies), Moshi, Pune- 412105.

Bael is obtained from fresh as well as dried fruit of Aegle Marmelos, belonging to family Rutaceae. The pulp contains mucilage, tannins, volatile oils, Aegelline, marmelosine which has potent antioxidant and skin soothing activity, that improves the appearance and signs of aging. Aloe vera is ideal for sunburned or irritated skin. It has cooling properties and reduce skin irritation along with inflammations such as acne and eczema. Turmeric is antibacterial in nature and also lightens blemishes, fights acne and reduces wrinkles. Almond oil is rich in vitamin E and reduce UV damage caused by free radicals. Cucumbers soothe skin irritation and reduce swelling, it prevents water retention, reduces skin dryness and lightens the skin.

The formulation containing all these five ingredients in combination fight against skin irritation, signs of aging, inflammation, UV damage, acne and also helps to lighten the skin. Use of different formulations for different skin problems is minimized by having benefit of this formulation with advantage of combination of five precious herbs.



22

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Abstract Book

A23

Diabetic complications and its prevention

Prachi Gholve, Pranali Jadhav, Sadre Kiran

PES'S Modern College of Pharmacy (For Ladies), Moshi, Pune- 412105

Diabetes Mellitus is an expanding global health problem, closely linked to the epidemic of obesity. Patients having diabetes are at high risk for various complications. Various factors like environmental factors, Unhealthy diet and genetic factors contribute to variety of complications. Thus diabetic complications has becoming common community problems. Major complications such as nephropathy, retinopathy and neuropathy, are well known. Specific efforts to treat complications in the lower leg "the diabetic foot" have been emphasized. Various complications to occur also in the upper extremity and hand. Diabetic nephropathy is the leading cause of end stage renal disease and is associated with Cardiovascular risk. Hence, we should prevent such complications. In this study, we are going to explain some preventive measures of diabetics complications. By following certain principles or rules like taking medications as prescribed by doctor, by monitoring blood Sugar closely, or by exercising regularly patient can treat or prevent the severe complications.



23

Criterion 3 - Research, Innovations and Extension



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

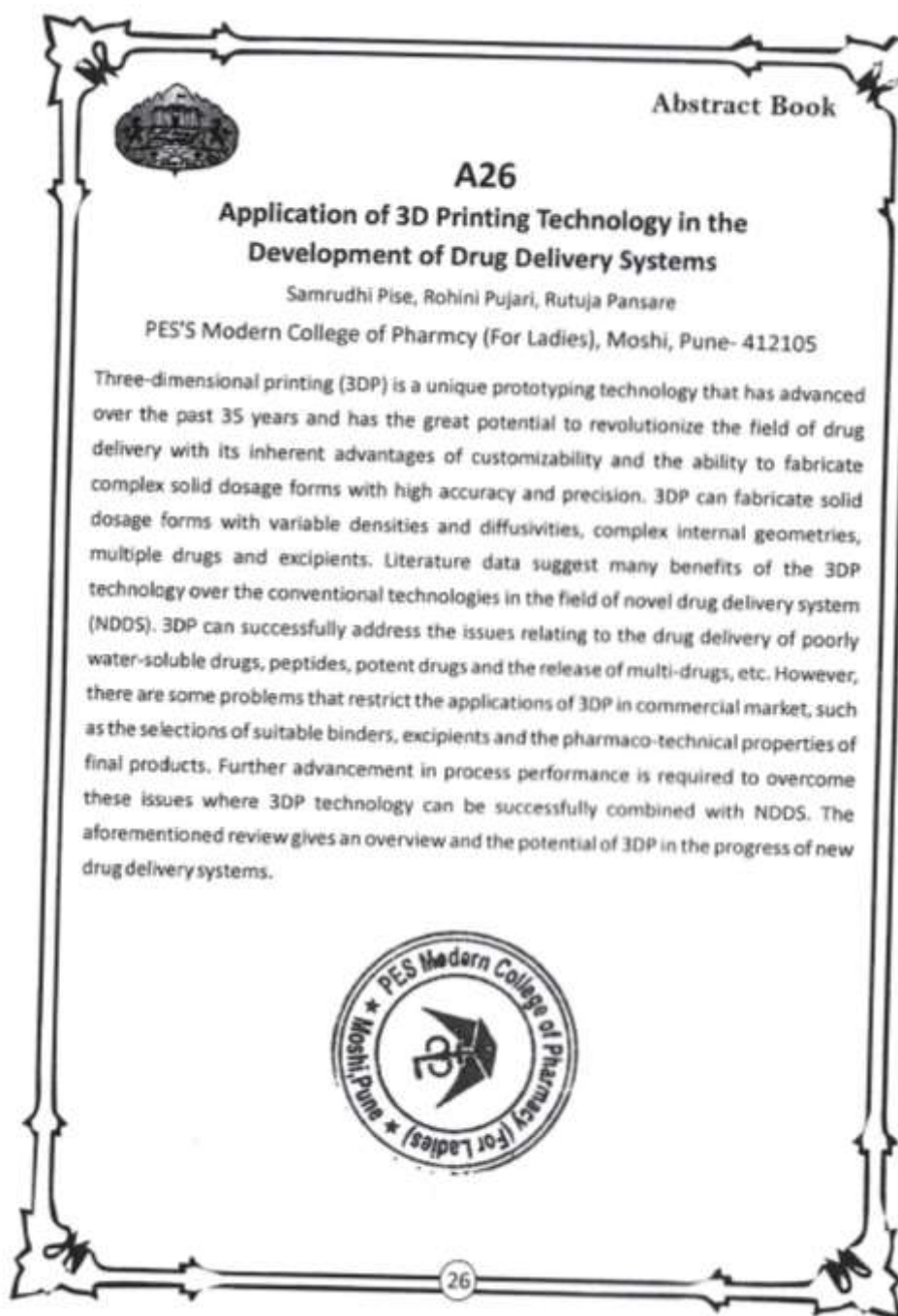


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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





Abstract Book

A25

Novel Antimicrobial Polyherbal Ointment

Shalaka Dumbre, Shweta Dhupal, Kanchan Khopade, Chaitanya Kulkarni

PES'S Modern College of Pharmacy (For Ladies), Moshi, Pune- 412105

Modern health care system recognizes herbal medicines as a form of alternative medicines and also identify as holistic approach. Everyone in life experiences different kinds of microbial infection. Herbal plants extracts of *Euphorbia hirta* (Dudhi), *Punica Granatum* (pomegranate), *Allium Sativum* (garlic) and *Asteracantha longifolia nees* (kokilaksa, talimkhana) were prepared using Ethanol: Water (70:30). Antimicrobial assay of plant extract mixture were carried out by agar disc diffusion method. Plant extract mixture of all extracts were screened against two opportunistic pathogens namely *Staphylococcus aureus*, *Streptococcus pyogenes* (gram positive bacteria) and one fungus *Candida Albicans* (ATCC no - 24433) using the concentration 0.1mg/ml, 0.2mg/ml, 0.5mg/ml, 1mg/ml, 2mg/ml, 2.5mg/ml. Mixtures having concentration 0.1mg/ml and 2.5mg/ml show zone of inhibition 17 mm and 34 mm respectively against *Streptococcus pyogenes* and 15.5 mm and 32.5 mm against *Staphylococcus aureus*. And 0.1mg/ml and 2.5 mg/ml shows zone of inhibition 17 mm and 31 mm against *Candida albicans*. Results were compared with standard antibiotic gentamicin and fluconazole prepared in concentration 10 µg/ml, 20 µg/ml and 40 µg/ml. The phytochemical screening results suggest presence of chemical constituents such as flavonoids, tannins, terpenoids, alkaloids, steroids, glycosides and saponins which are mainly responsible for the antimicrobial activities. Polyherbal ointment from extracts were prepared and evaluated for its physicochemical parameters. It was also evaluated for its stability at various temperature conditions which shows no change in spreadability, extrudability and diffusion study. The prepared ointment is compared with marketed Himalaya Scavon VET CREAME antimicrobial formulation. The prepared ointment is graded for skin irritancy on the female albino rabbits which shows non irritant effect, the result of safety assessment of ointment concludes the formulation is under the negligible irritant (PII=0.083). Thus this ointment has potential for further application as safe topical preparation to treat various skin diseases effectively and use easily as a simple dosage form.



Abstract Book


A29

Pharmacognostic Assessment and Different Pharmacological Effects of *Tridax procumbence*

Divya Munot*, Karishma Murhe, Om Bagade

PES's Modern College of Pharmacy (For Ladies), Moshi.

Tridax Procumbens (TP) is commonly known as "Dagadipala" in Marathi belonging to family Asteraceae and its other common names includes "Jayantiveda" in Sanskrit, Ghamra in hindi, Coat buttons in English. TP mainly contains crude fibre 17%, soluble carbohydrate 39% and calcium oxide 5%. Tridax Procumbens has possesses significant medicinal properties. Fresh leaves of Tridax Procumbens collected from the botanical garden and Moshi village of Pune district, Maharashtra (India) during the month of June and July. The plant extract was prepared by Infusion, Macerations or Percolation process. In this method the fresh leaves are dried in air and residue obtained was subjected to successive extraction with various solvents like benzene, chloroform, ethyl acetate, methanol and ethanol. After the phytochemical screening of TP it was observed that alkaloids, tannins, saponin, flavanoids are present and flavones, glycoside, polysaccharide and monosaccharides have been isolated from leaves of the plants. It has known for several potential and therapeutic activities like antidiabetics, antiinflammatory, wound healing, antimicrobial, antidysentry, antidiarrhoeal, insecticidal and preventing loss of hair. Numerous medicinal species of TPs and their formulations are used for liver disorders in ethnomedical practices as well as in traditional systems of medicine in India. Herbal medicine has become an integral part of standard healthcare, based on a combination of time honoured traditional usage and ongoing scientific research. Buregeoning interest in medicinal herbs has increased scientific scrutiny of their therapeutic potential and safety.






Abstract Book

A28

Formulation, Statistical Optimization and Evaluation of Praziquantel Loaded Microspheres by Ionic Gelation Method

Manasi Ahire, Julie Gupta, Arti Hole, Om Bagade
PES's Modern College of Pharmacy (For Ladies), Moshi.

The study was all about formulating sodium alginate microspheres of Praziquantel by ionic gelation method. Micro particles were prepared by using different concentration of sodium alginate and calcium chloride with respect to drug concentration. Microspheres were collected in the solution of calcium chloride of required concentration with constant stirring. The prepared microspheres were evaluated for physical characterizations and micromeritics properties. Some parameters like orifice diameter of needle used to pass the solution. Formulation 1 (Sodium alginate:drug:3:1) was found to be the best among all and which shows percent yield (92%), drug entrapment efficiency ($22 \pm 0.56\%$), particle size ($125 \mu\text{m}$), etc. It was observed that as the orifice diameter of needle decreased from needle no. 18 to 23, the microspheres were more spherical with retention in their shape and needle no.20 was found to be optimum. More spherical microspheres were observed with decrease in dropping height and optimum which was found to be 6 cm.



28

Criterion 3 - Research, Innovations and Extension



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

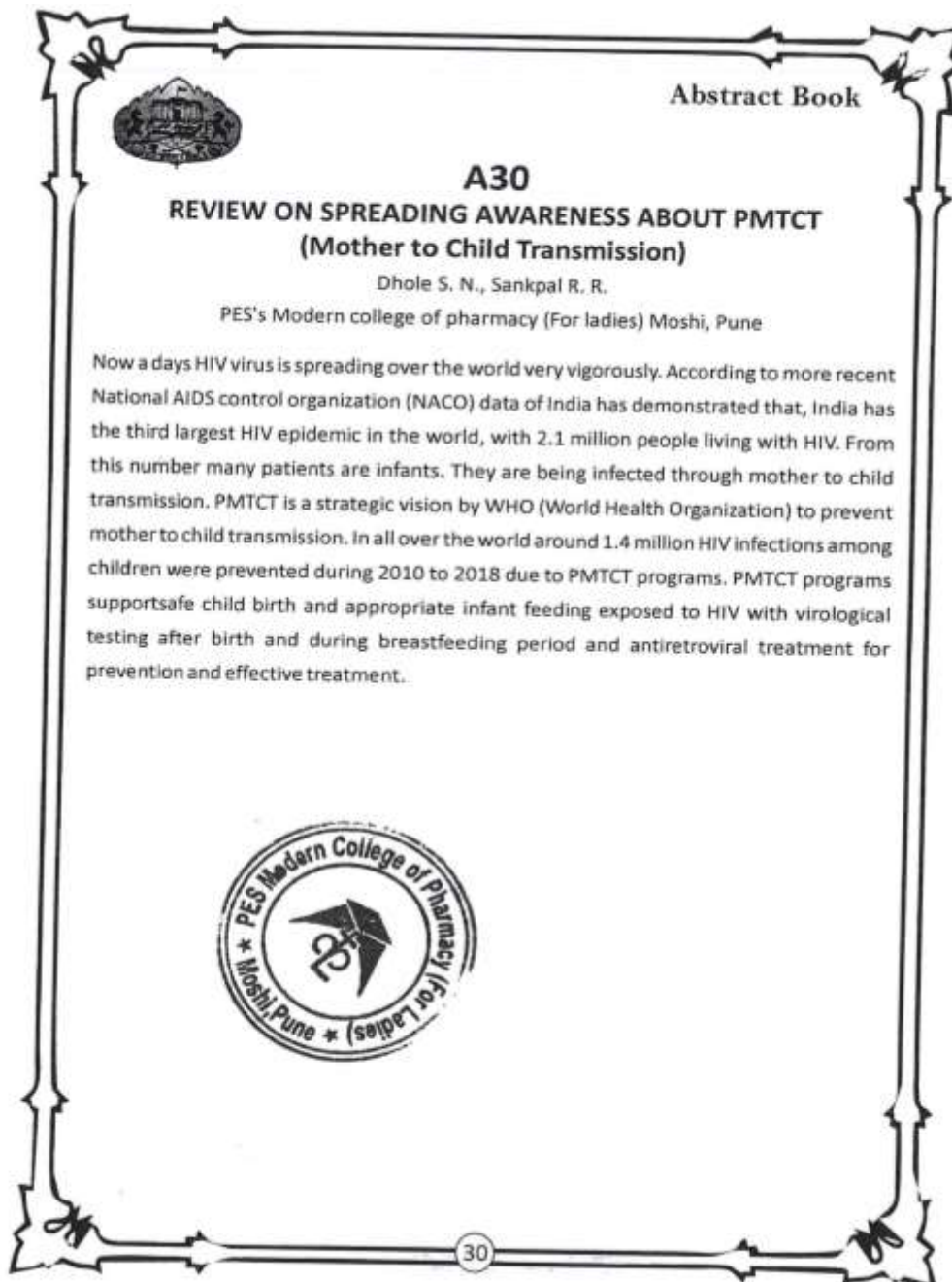


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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





Abstract Book


A31

Design, Development and *In Vitro* Evaluation of Solid Lipid Nanoparticles of Analgesic Drug

Arti S. Khade*, Om M. Bagade, Swati Biradar, Ankita Chaudhari

PES Modern College of Pharmacy (For Ladies), Moshi, Pune

Nanoparticles are subnanosized colloidal structures composed of synthetic or semi synthetic polymers of size range 10-1000 nm. The first reported nanoparticles were based on non-biodegradable polymeric systems such as polyacrylamide, polystyrene, etc. The drug is dissolved, entrapped, encapsulated or attached to a Nanoparticle matrix. The nanoparticulate systems have great potentials being able to convert poorly soluble, poorly absorbed substances into promising deliverable drugs. SLNs are particles of nanometer range prepared using solid lipids and stabilized by surfactants, sometimes referred as lipospheres or nanospheres. In the present research study, Nimesulide SLNs have been prepared by Solvent diffusion method. Nimesulide is a NSAIDs drug with good lipid solubility, poor oral bioavailability due to first pass metabolism and poor water solubility with half life of about 1.8-4.7 hours. Approximate 50% orally administered dose is absorbed but absolute bioavailability is about 65% due to first pass metabolism. For improving oral bioavailability, Nimesulide loaded SLNs were developed using Glyceryl monostearate, stearic acid. Solvent diffusion method was selected for preparation of SLN dispersions. SLN were characterized for particle size, entrapment efficiency. Scanning electron microscopy was used for particle morphology as well as particle size analysis. Particle size of SLN were measured by Malven zetasizer and obtained in the range of 800-900 nm.





Abstract Book

A33

**An Influence of Statistical Optimization
for the Fabrication of an Ocular Insert**

Om Bgade, Sawant Tejashri, Patil Priyanka, Mundhe Priyanka, Handargule Priyanka, Rukhe Nikita
PES, Modern College Of Pharmacy, (For Ladies), Moshi Pune.

Ocular inserts are defined as sterile preparations, with a thin, multilayered, drug-impregnated, solid or semisolid consistency devices placed into cul-de-sac or sac of conjunctiva and whose size and shape are especially designed for ophthalmic application. Conventional dosage forms like eye drops and eye ointments have the disadvantages like repeated administration, poor availability, massive and unpredictable doses, and drainage of medication by tear fluid. To overcome these problems ocular inserts may be used. Aim of the present study is to design, develop and evaluate ocular insert of Olmesartan medoxomil by using CCD; so as to bypass its first pass metabolism. Olmesartan (BCS class-II) is a potent Angiotensin Receptor Blocker. There was no interaction between drug and excipients as revealed by IR spectra and calibration curve of the pure drug, and placebo formulation. Inserts of different ratios were prepared by solvent casting technique by using hydroxy propyl methyl cellulose (X1) as a polymer, PEG 400 (X2) was used as plasticizer, Distilled Water as a solvent & Stirring speed (X3) maintained for different periods of time. These factors were selected as independent variables while thickness, folding endurance and drug content were selected as dependent variables. Furthermore, an optimal batch was selected from ten formulations by using central composite design and evaluated for weight variation, tensile strength, surface pH, swelling index. Ocular tolerance study, scanning electron microscopy etc. To conclude, Solvent casting technique is a promising strategy in improving dissolution of poorly water soluble Olmesartan medoxomil.






Abstract Book

A32

Influence of Different Technology in Present Era of Veterinary Drug Delivery System

Snehal A. Kamate *, Rutuja H. Yadav, Preeti T. Sakore, Om M. Bagade
PES Modern College of Pharmacy (For Ladies), Moshi, Pune

A diverse range of dosage forms and delivery systems has been developed to provide for the care and welfare of animals. The development of dosage forms which integrates an understanding of formulations, dissolution, stability and controlled release; pharmacokinetics (PK); pharmacodynamic (PD), and therapeutics. Formulation of dosage form typically involves combining active ingredient and one or more excipients; the resultant dosage form determines the route of administration, clinical efficacy and safety of drug. Optimization of drug doses is also critical to achieving clinical efficacy and safety. Increasingly, PK/PD model that describes drug response on the basis of dose optimization. The PK and PD phases are linked by the premise that free drug in systemic circulation is in equilibrium with the receptors. The PD phase involves interaction of drug with receptor, which triggers post-receptor events, and eventually leads to drug effect. Drug delivery strategies for veterinary formulations are complicated by diversity of species and breeds treated. innovative solutions have been developed to meet many challenges (eg. convenient dosage formulations for treating external and internal parasites on dogs and cats). Unique opportunities also exist for controlled-release drug delivery systems in veterinary medicine and many such systems are in market. e.g., range of controlled-release dosage forms developed for delivering antimicrobials, anthelmintics, production enhancers, nutritional supplements and other drugs to ruminants. Although there is little economic incentive for development of these products, approval is needed to define safe and effective dosages, as well as to determine appropriate withdrawal times for treated animals intended as food sources.



32

Criterion 3 - Research, Innovations and Extension



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

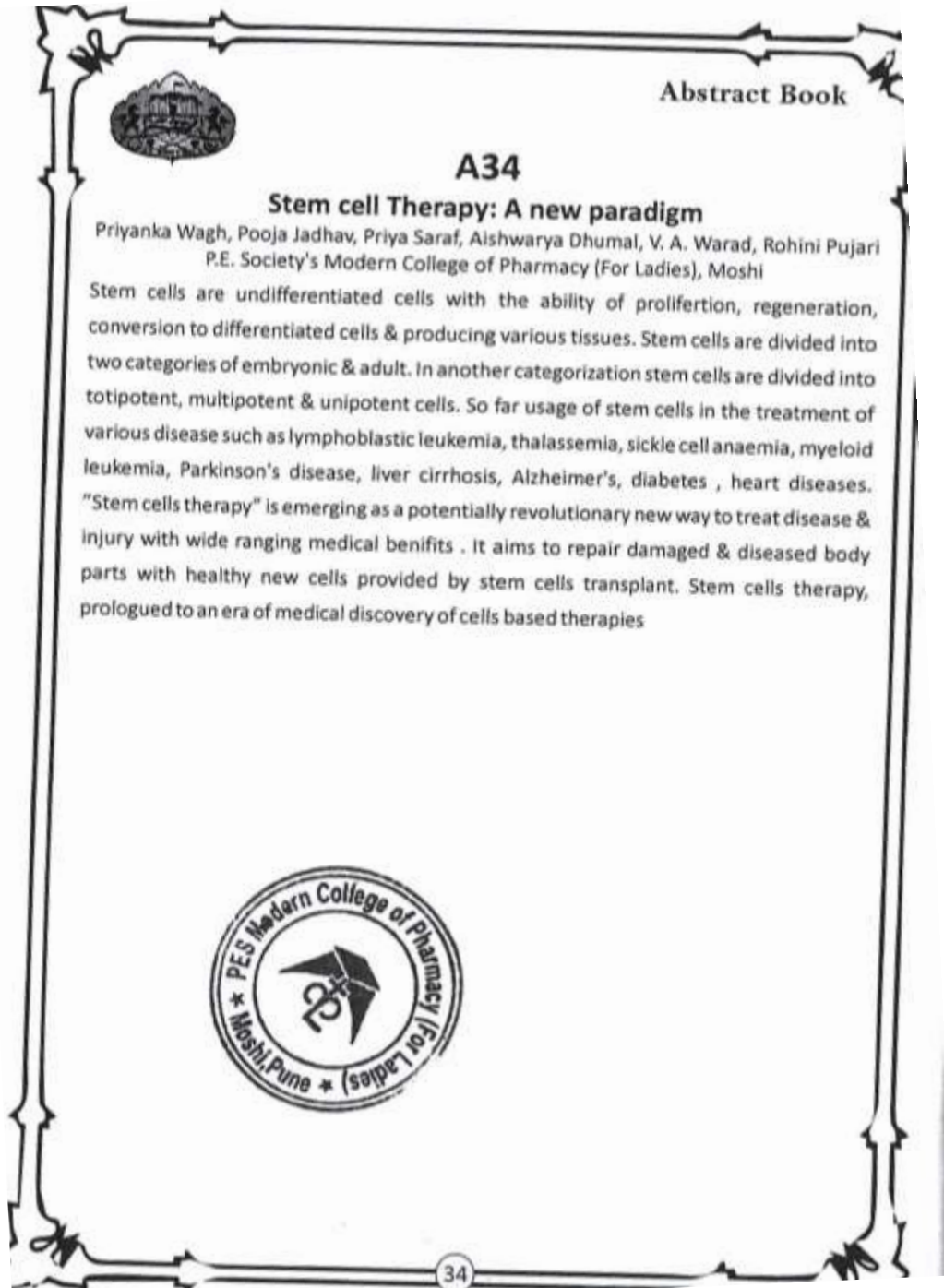


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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





Abstract Book

A35

Consideration of Chemotherapy for Eradication of Cancer in Human Being

Rutuja H. Yadav *, Snehal A. Kamate, Preeti T. Sakore, Om M. Bagade

PES Modern College of Pharmacy (For Ladies), Moshi, Pune


Chemotherapy is the use of any drug to treat any disease. But to most people, the word chemotherapy means drugs used for cancer treatment. It's often shortened to "chemo." Surgery and radiation therapy remove, kill, or damage cancer cells in a certain area, but chemo can work throughout the whole body. Some chemotherapy drugs can be taken in pill or capsule form. It targets cells that grow and divide quickly, as cancer cells do. Unlike radiation or surgery, which target specific areas, chemo can work throughout your body.

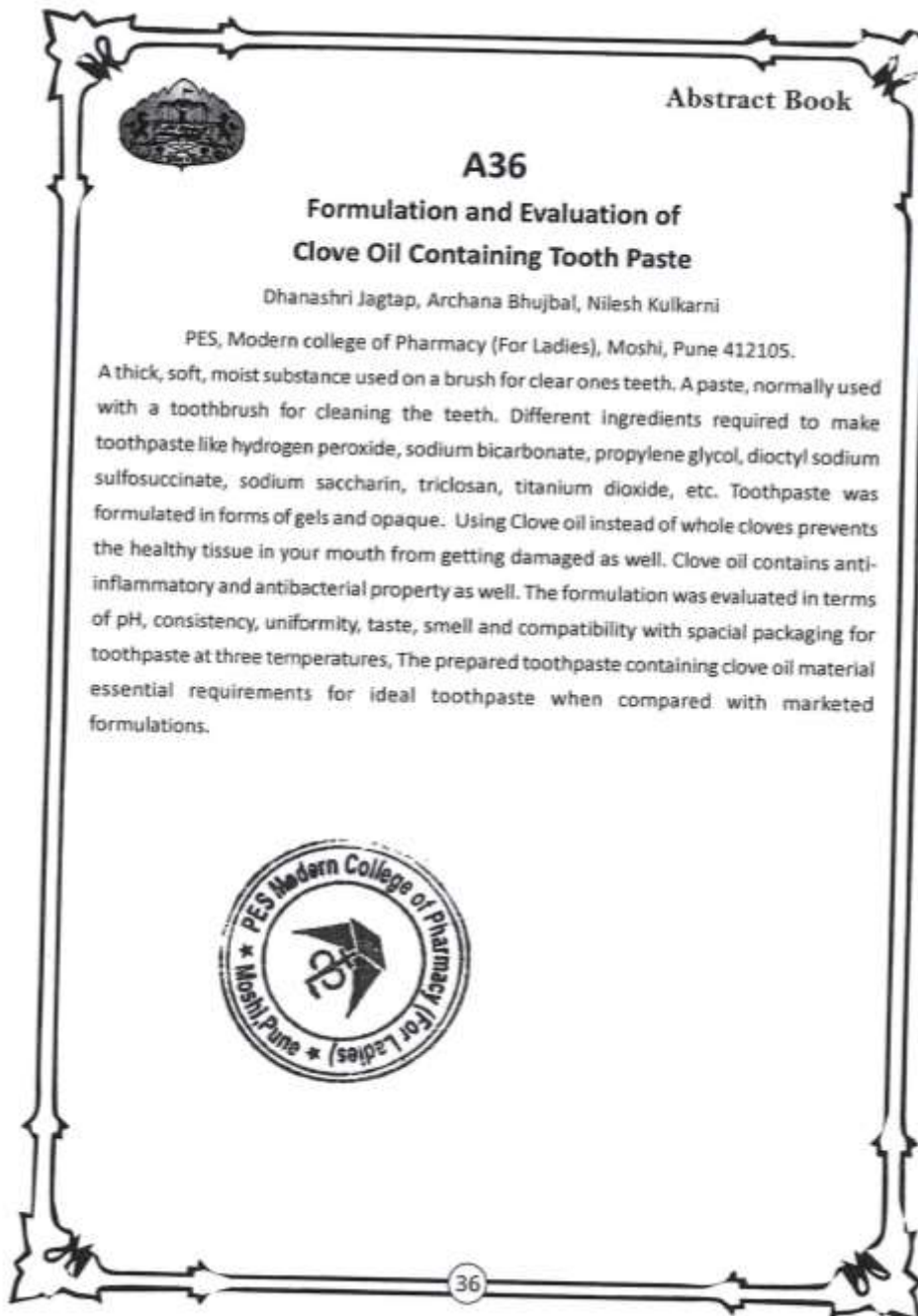
Surgery: A doctor removes cancerous tumors or tissue, or organs contaminated with cancerous cells.

Radiation therapy: An invisible radioactive particles used to kill cancer cells. It may be delivered by a special machine that bombards parts of your body from the outside, or by putting radioactive material on, near, and even inside your body.

Biological Therapy: Living material in the form of bacteria, vaccines, or antibodies are carefully introduced to kill cancer cells.


Chemotherapy may be used to: Shrink a tumor before radiation therapy or surgery called Neoadjuvant Chemotherapy. Destroy any remaining cancer cells after surgery or radiation therapy -- called Adjuvant Chemotherapy. Make other therapies (biological or radiation) more effective. Destroy cancer cells that return or spread to other parts of your body. Although chemotherapy is preferred over surgery because it kills all the releasing cells from a malignant tumor which can't be cured by surgery.








Abstract Book


A38

Break Through In Treatment Of Burn Injuries: A Review

Khaladkar Nikita*, Choudhary Narangidevi, Jadhav Twinkle, Kad Akanksha, Kandekar Ujjwala
PES's Modern College Of Pharmacy (For Ladies), Moshi, Pune
PES, Modern college of Pharmacy (For Ladies), Moshi, Pune 412105.

Severe burn injuries are the most traumatic and physically debilitating injuries affecting nearly every organ system and leading to significant morbidity and mortality. A widespread range of these deaths induced by burn wound happens in low- and middle-income countries, where survivors face a lifetime of morbidity. Most of the deaths occur due to infections when a high percentage of the external regions of the body area is affected. Microbial nutrient availability, skin barrier disruption, and vascular supply destruction in burn injuries as well as systemic immune suppression are important parameters that cause burns to be susceptible to infections. Topical antimicrobials and dressings are generally employed to inhibit burn infections followed by a burn wound therapy, because systemic antibiotics have problems in reaching the infected site, coupled with increasing microbial drug resistance. Nano-technology has provided a range of molecular designed nanostructures (NS) that can be used in both therapeutic and diagnostic applications in burns. These include biological based approaches (e.g. immune-based antimicrobial molecules, therapeutic microorganisms, antimicrobial agents, etc.), antimicrobial photo- and ultrasound-therapy, as well as scaffolds, dressings, etc. for exogenous stem cells to aid skin regeneration. Eventually, recent breakthroughs and technologies with substantial impact on tissue regeneration and skin wound therapy (that are as the field of burn wound therapies) are briefly taken into consideration including 3D printing, 3D printed substrates, nano-architected surfaces, and novel gene-edited tools such as CRISPR-Cas.



38



Abstract Book

A39



Leprosy: A Comprehensive Review

Snehal Kumbhar, Snehal Shinde, Nikita Bhilare, Rohini Pujari

PES's Modern College of Pharmacy (For Ladies), Moshi, Pune- 412105

Leprosy, also known as Hansen's disease, is a chronic infectious disease caused by *Mycobacterium leprae*, a microorganism that has a predilection for the skin and nerves. The disease is clinically characterized by one or more of the three cardinal signs: hypopigmented or erythematous skin patches with definite loss of sensation, thickened peripheral nerves, and acid-fast bacilli detected on skin smears or biopsy material. *M. leprae* primarily infects Schwann cells in the peripheral nerves leading to nerve damage and the development of disabilities. Despite reduced prevalence of *M. leprae* infection in the endemic countries following implementation of multidrug therapy (MDT) program by WHO to treat leprosy, new case detection rates are still high-indicating active transmission. The susceptibility to the mycobacteria and the clinical course of the disease are attributed to the host immune response, which heralds the review of immunopathology of this complex disease.



Criterion 3 - Research, Innovations and Extension



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


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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Abstract Book


A40

Stem Cells Therapy

Rutuja Sonawane ,Vaibhavi Ganage and Aishwarya Lagad

PES's Modern College of Pharmacy (For Ladies), Moshi, Pune- 412105

Stem cells are a population of undifferentiated cells characterised by the ability to extensively proliferate (self renewal), usually arise from single cells (clonal), and differentiate into different types of cells and tissues (potent). There are several sources of stem cells with varying potency. Pluripotent are embryonic stem cells derived from inner cell mass of the embryo . Stem cells can be used in cellular therapy to replace damaged cells or to regenerate organs this type of treatment could be used to : replace neurons damaged by spinal chord injury, stroke, Alzheimer's disease, Parkinson's disease or other neurological problems; produce insulin that could treat people with diabetes and heart muscle cells that cold repair damage after heart attack. Stem cells transplantation for leukemia a stem cell transpant can be used to restore healthy bone marrow in patients with leukemia. Stem cells help stimulate new bone marrow growth and restore the immune system. One of the most promising methods to cure diabetes is to transplant beta cells ,which sense blood sugar level and produce insuline to reduce them. Alzheimer's society supports the advancement of stem cell research to help understand the causes of dementia and to find new cures. Stem cells can grow into brain cells , and as a result , may have the potential to repair brain damage caused by neurological conditions, such as dementia.



40

Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

H1

Preparation And Evaluation Of An Important Polyherbal Ayurvedic Medicine: Drakshavaleha

Simran Yadav*, Rujata Rale, Mohini Upadhye, Rohini Pujari
PES, Modern college of Pharmacy (For Ladies), Moshi, Pune 412105.

Avaleha is considered as the most common secondary dosage form as Kalpana which is used in many disorders. They are becoming more popular due to easy administration, more palatable and longer shelf life. It is prepared as a semisolid formulation of herbal drugs in the form of decoction or extracts or powder of herbs by addition of sweetners as jaggery, sugar candy or sugar. Constistency of Avaleha varies from freely flowing, paste like, semisolid and granular which depends upon the substrate and Oushada churna ratio. Avaleha are most effective as they are having better drug absorption through the oral cavity. Drakshavaleha is an important Ayurvedic medicine mentioned in Astanga Hridaya Chikithsasthana. It is prepared by using ingredients such as Draksha, Kana (Pippali), Sarkara, Madhuka, Shunti, Thvakshiri, Dhatriphala, Madhu. Drakshavaleha cures weakness, anaemia, digestive disorders, Jaundice, hyperacidity, dyspepsia and improves liver function. The aim of present study is to prepare Drakshavaleha according to classical method mentioned in Astanga Hridaya Chikithsa Sthana with due importance to Standard Operative Procedure and evaluate it based upon organoleptic and physicochemical parameters.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

H2

Formulation Development of Herbal Antiinflammatory Ointment

Priya Gunjal, Apoorva Lanke, Mohini Upadhye, Manoj Munde
PES, Modern college of Pharmacy (For Ladies), Moshi, Pune 412105.

Inflammation is a pathologic condition which focuses a wide range of diseases such as rheumatic and immune-mediated conditions, diabetes, cardiovascular disorders etc. There are different medicines available for controlling and suppressing inflammatory complications such as steroids, nonsteroid anti-inflammatory drugs, and immunosuppressant which are the practical examples of these medications. Most of these are associated with adverse effects. There should be an ideal therapy which includes minimum effective dose by the highest efficacy and the least adverse effects. Medicinal plants and their secondary metabolites isolated are progressively used in the treatment of various diseases as a complementary medicine and can be used to achieve increased pharmacological response at the lowest degree of unwanted side effects. *Curcuma longa* and *Azadirachta indica* possess various medicinal activities as per traditional system and many of them have been proven by modern research. The extracts of *Curcuma longa* and *Azadirachta indica* showed a prominent antiinflammatory activity. The present work was carried out to formulate and evaluate a potent antiinflammatory ointment containing extracts of *Curcuma longa* and *Azadirachta indica*.

02



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

H3

Preparation and evaluation of Tisanes containing unique blend of herbs to pacify vata, kapha and pitta dosha

Anjali*, Pranzali Zope, Mohini Upadhye, Nilesh Kulkarni
PES, Modern college of Pharmacy (For Ladies), Moshi, Pune 412105.

Herbal tea is essentially an herbal mixture made from leaves, seeds and/or root obtained from various plants. These are not derived from the usual tea plants, but rather from 'tisanes'. There are different kinds of tisanes that have been used for their medicinal properties. Some of them being consumed for its energizing properties to induce relaxation and also posses strong benifial medicinal properties such as to cure stomach or digestive problems, strengthen the immune system, anti-inflammatory, antibacterial etc. Many herbal teas such as Black tea, Green tea, Chamomile tea, Ginger tea, Ginseng tea, Peppermint tea, Cinnamon tea etc. are very popular now a days. The objective of the study was to prepare various herbal teas such as Essencetea, Mucontea and Digestea used to pacify Vata dosha, Kapha dosha and Pitta dosha respectively. These consisits of important herbs such as Cumin, Cinnamon, Orange peels, Amla, Turmeric, Fennel, Coriander, Cilantro etc. Antioxidant activity was evaluated by invitro antioxidant assay using hydrogen peroxide method. These herbal teas also impart colour, aroma, flavor, astringency and overall acceptability and have many health benefits. The antioxidants and vitamins found to be present in these herbal teas are important for curing diseases and infections and can protect against oxidative stress and lower the risk of chronic disease.

03



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

H4

Development of a Novel Nutraceutical Formulation containing Turmeric and Neem extracts

Shravani Rakshe*, Sujita Ghongade, Mohini Upadhye, Smita More
PES, Modern college of Pharmacy (For Ladies), Moshi, Pune 412105.

Nutraceuticals are considered as functional food or any part of food that provides medical or health benefits including the prevention and/or treatment of a disease. Nutraceuticals have many advantages over the medicine because they lack side effect, considered as natural dietary supplement. For effective quality of a product the manufacturing should be carried out under close monitoring conditions. There should not be any kind of interactions amongst environmental conditions and the equipments in manufacturing with the formulated product and hence there should be proper manufacturing of nutraceutical products maintaining required cGMPs which will mandate proper quality and process control testings from incoming materials to final products. This increases the credibility of and provides additional improvements towards the safety and efficacy of these products being manufactured according to the Food Safety and Standards Authority of India. The packaging and sealing of these products should be tightly controlled and thus provides a shelf stable, contaminate free storage for the product whereby quality is enhanced and also it does not account for any of its nutrient loss. With this aim, the present work was carried out to formulate and evaluate a nutraceutical product containing Turmeric and Neem extracts.

04





H8

**Simultaneous Estimation Of Dapsone And Adapalene
In Gel Formulation By Derivative Spectroscopic Method**

Priyanka V. Handargule *V. S. Vichare and Dr. S. N. Dhole.
PES Modern College of Pharmacy (for ladies) Moshi, Pune, Maharashtra.

Dapsone is an antibacterial agent mostly used in the treatment of leprosy and skin disorders. Adapalene is a retinoid analogue with actions similar to those of tretinoin and naphthoic acid derivative. Adapalene is topically used in the treatment of acne. Combination of Dapsone and Adapalene is used to treat Acne and available as a gel formulation in market. There is no scientific reporting of UV-Visible spectroscopic method for simultaneous estimation of Dapsone and Adapalene in combined dosage form. A simple, accurate, precise and rapid first order derivative spectroscopic method have been developed for the simultaneous estimation of Dapsone and Adapalene. From first order derivative overlay spectra wavelength 317 nm (zero absorbance of Adapalene) and 365 (zero absorbance of Dapsone) were selected for analysis. Analysis of marketed formulation was done by derivative spectroscopic method. The percentage drug content was found to be 100.596 and 101.833 for Dapsone and Adapalene respectively. The method was validated as per ICH guidelines Q2 (R1) for linearity, range, accuracy and precision. The linearity of method was found to be in a range of 25–125 µg/ml for Dapsone and 0.5-2.5 µg/ml for Adapalene.



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

H16

Ashmi: Herbal Dry Shampoo

Shweta Lavate*, Aishwarya Mandle, Shweta Garje, Kajal Gawade
PES Modern College of Pharmacy (For Ladies) Moshi

As it is seen the Era going is growing towards herbal products. Due to the side effects of synthetic products herbal products are often used as these are effective without any side effects. Herbal cosmetics are trending now everywhere so industries as well as related research are also increasing. Cosmetic is considered as must in today's life, so it is best to used high standard and good quality cosmetics prepared from natural origin which are without any side effects. Keeping in this mind, the present study was carried out to formulate a dry shampoo containing important herbs such as Hirda, Beheda, Amla, Neem, Tulsi, Shikakai, Henna and Brahmi which will provide cleansing and nourishing effect to the hair. It helps hairs to improve their quality of moisture, shine, growth, thickening, strength of hair roots. The most advantagable thing of herbal HS is that it has no any side effects. Present study is considered to be successful preparing herbal dry shampoo containing herbs which is traditionally used for hair cleansing in India.



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

H17

Colloids and Its Recent Advances in Pharmaceuticals

Pradnya Swami*, Smita More, Sneha Rashinkar, Shweta Bhagwat
PES Modern College of Pharmacy (For Ladies) Moshi

Research in the industries and modern physics requires everyday observation and experience. This is important as practically all the matter we deal commonly is in colloidal condition. Stability of colloids is important aspect which determines the behavior of particles. Colloidal systems are composed of small particles dispersed in medium. The fact that these particles have such small dimensions is the reason that a huge surface or interfacial area is created. Colloidal drug delivery systems are characterized to ensure their predictable in vivo and in vitro performances. Various physicochemical characteristics like size, shape, surface properties, lamellarity, phase behaviour drug release profile etc are evaluated. Followed by use of advanced techniques like electron microscopy having greater resolution can be used to view the particles. Internal structure and lamellarity can be determined by freeze fracture microscopy. The huge interface associated with colloids is the reason why colloid and surface chemistry are often studied together. Majority of the industries uses colloids as thickening agents in industrial products such as lubricants, lotions, toothpaste, coatings, etc. Recently colloids find wide applications such as food stuffs and medicines, purification of water, sewage disposal, smoke precipitation, artificial rain, rubber industry, leather tanning, cleansing action of soaps, smoke screen, formation of delta, blue colour of the sky, preparation of nano materials, building roads, metallurgical operations, manufacturing of paints and inks and many others. The study concludes that colloidal drug delivery systems are designed for controlled and targeted delivery of various pharmacological agent and other drug delivery system which is still lacking in few of the emerging areas of pharmacy.





H22

Until There Is A Cure There Is Hope -
Here Is The Hope For Alzheimer.

Mrs. Vinaya a. Warad ms.shradha kanade, ankita thorat
PES Modern College of Pharmacy (For Ladies) Moshi

Alzheimer's disease is an irreversible, progressive brain disorder that slowly destroys memory and thinking skills. It is a chronic neurodegenerative disease that usually starts slowly and gradually worsens over time. The symptoms of AD are loss of memory, poor judgment, wandering, losing things, mood changes. Current treatments for Alzheimer are - Cholinesterase inhibitors, NMDA receptor antagonist. But these drugs do not prevent cognitive damage they only reduce the disease progression. It is found that coconut oil is useful in slowing the progression of AD in human beings. It acts as an energy source for the nerve cells, which are starved in AD. They act by boosting ketones, hence improves cognitive function. The purpose of the present review is to explore the literature related to coconut oil, outlining the mechanistic physiology and to discuss the potential role of coconut supplementation as a therapeutic option in the prevention and management of AD.

22



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

H25

Coloring Pigments from Natural Sources

Chaudhari Nikita, Gawali Prachi, Jadhav Sakshi, Bhujbal-Khetmalis Pallavi
PES Modern College of Pharmacy (For Ladies), Moshi

Pigments produce the colors that we observe at each step of our lives, as they are present in each one of the organisms in the world, and plants are the principal producers. They are in leaves, fruits, vegetables, and flowers; also, they are present in skin, eyes, and other animal structures; and in microorganisms. In all these, these coloring pigments shows various shades of black, blue, brown, green, orange, pink, red, or yellow colors. Natural and synthetic pigments are used in medicines, foods, clothes, furniture, cosmetics, and in other products. But the natural coloring agents have many potential uses today and represent safer alternatives to synthetic ones which are common sensitizers posing concern especially for allergy-prone people. This review summarizes major sources for natural colorants obtained from natural sources like plant, animal, bacteria, etc.





H28

**Strategies and Prospectives of Nasal
Drug Delivery System**

Jyoti Lokhande*, Smita More
PES Modern College of Pharmacy (For Ladies), Moshi.

Now days many drugs have better systemic bioavailability through nasal route as compared to oral administration. In addition, intranasal drug delivery enables dose reduction, rapid attainment of therapeutics. Bloods levels, quicker onsets of pharmacological activity, and fewer side effects. The recent advancement of nasal drug delivery system has increased enormously and is gaining significant importance. The advantages, disadvantages, mechanism of action and application of nasal drug delivery system in local delivery, systematic delivery, nasal vaccines and CNS delivery are lucid. The relevant aspects of biological, physicochemical and pharmaceutical factors of nasal cavity that must be considered during the process of discovery and development of new drugs for nasal delivery as incorporation into appropriate nasal pharmaceutical formulation. Nasal route is more suitable for those drugs which cannot be administered orally due to gastric degradation or hepatic first pass metabolism of the drug. IN delivery is non-invasive, essentially painless, does not requires sterile preparation, and is easily and readily administered by the patients or a physician, example in an emergency setting. Furthermore, the nasal route may offer improved delivery for "non-Lipinski" drugs. Current work focuses on all the aspects of nasal drug delivery.





H29

Novel Coronavirus (2019-nCoV): A comprehensive review

**Rohini R. Pujari, Mohini C. Upadhye, Rakshe Shrivani,
Pratiksha Kad, Fasale Arti
PES Modern College of Pharmacy (For Ladies), Moshi, Pune**

Coronaviruses can cause multiple system infections in various animals and mainly respiratory tract infections in humans, such as severe acute respiratory syndrome (SARS) and Middle East respiratory syndrome (MERS). The 2019 novel coronavirus (2019-nCoV) is a new virus that causes respiratory illness in people and can spread from person-to-person. This virus was first identified during an investigation into an outbreak in Wuhan, China. This virus probably originally emerged from an animal source but now seems to be spreading from person-to-person. It's important to note that person-to-person spread can happen on a continuum. Some viruses are highly contagious, while other viruses are less so. At this time, it's unclear how easily or sustainably this virus is spreading between people. Patients with 2019-nCoV have reportedly had mild to severe respiratory illness. There is currently no vaccine to protect against 2019-nCoV. The best way to prevent infection is to avoid being exposed to this virus. There is no specific antiviral treatment for 2019-nCoV. People with 2019-nCoV can seek medical care to help relieve symptoms. Measures shall be taken to strengthen the immune system through immunomodulatory drugs as per Ayurvedic practices such as Agastya Harityaki, Samshamani Vati, Trikatu, Pratimarsa Nasya etc.





H30

**Type 1 Diabetes Mellitus: An Overview of
Its Conventional And Modernized Management**

Rohini R. Pujari, Snehal Kumbhar, Snehal Shinde
PES, Modern College of Pharmacy (For Ladies), Moshi, Pune

Type 1 diabetes mellitus is a condition in which your immune system destroys insulin-making cells in your pancreas. These are called beta cells. The condition is usually diagnosed in children and young people, so it used to be called juvenile diabetes. While a person can prevent type 2 by avoiding a sugar-rich diet and inactive lifestyle, preventing type 1 is not possible. A person with type 1 diabetes will need to take insulin for the rest of their life. Not doing so can result in ever-increasing blood sugar levels and dangerous complications like diabetic neuropathy, nephropathy, diabetic ketoacidosis and cardiovascular diseases. There are several diagnostic measures to detect and distinguish type 1 diabetes from type 2 diabetes mellitus. Insulin is administered conventionally using syringes by subcutaneous route which causes pain and other problems. Along with administration of insulin, continuous glucose monitoring is required which requires pricking the finger several times with needles for blood sugar testing using glucometers which becomes very difficult to manage especially in case of small children. These problems occurring in management of Type 1 diabetes has been overcome by some advancement in the same. This review will give a detailed account of history, etiology, pathophysiology, immune mechanism and comparison between conventional and advanced methods of diagnostic measures and management of Type 1 diabetes mellitus.



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

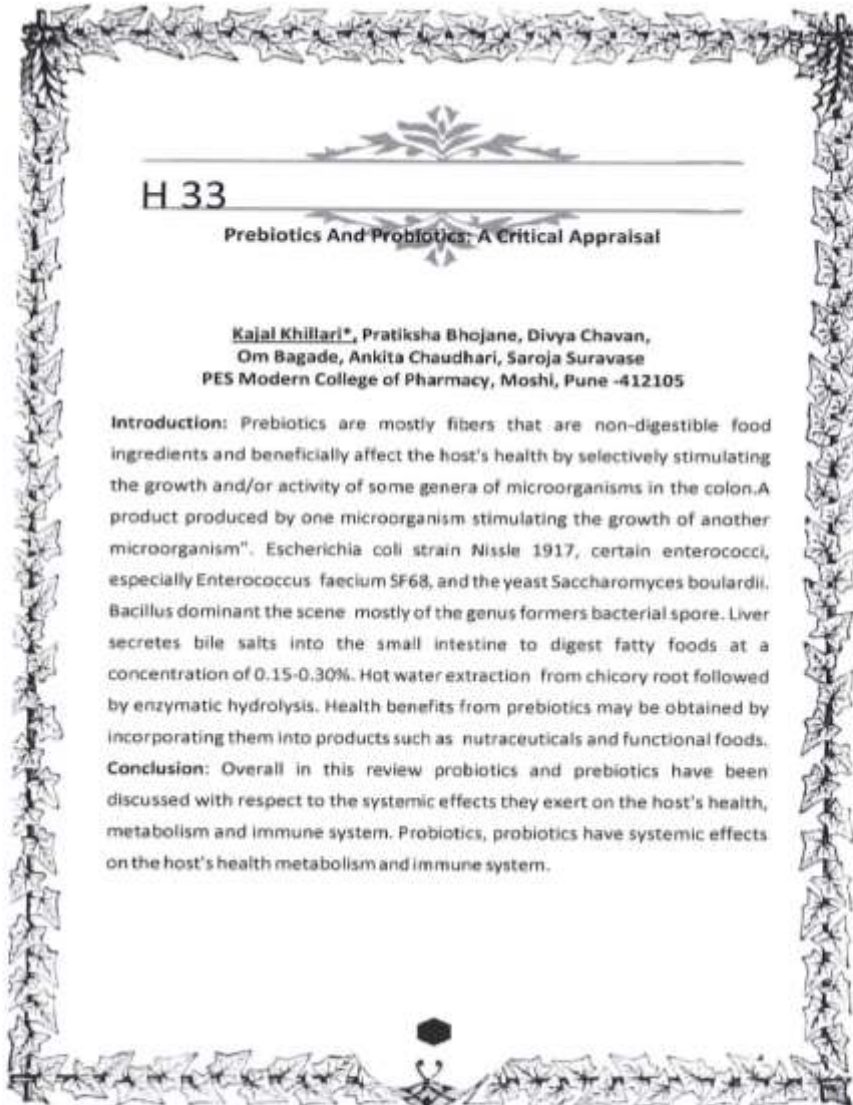
H31

Anti-biotic Resistances: Superbugs

Aishwarya Ichake*, Ashwini Bangar, Monali Waykar, Shruti Survase
PES Modern College of Pharmacy Ladies Moshi, Pune – 412105.

The increasing threat to global health posed by antibiotic resistance remains of serious concern. Human health remains at higher risk due to several reported therapeutic failure to many life threatening drug resistance microbial infections. Antibiotics have been used for a long time and are frequently prescribed. Because of this widespread use, the infectious bacteria the antibiotics were designed target have adapted and changed, making the drugs less effective. This is antibiotic resistance. Antibiotics are not effective against viral infections such as the common cold, most sore throats, and the flu. Using antibiotics when they are not needed contributes to antibiotic resistance and unwanted side effects.





H.33

Prebiotics And Probiotics: A Critical Appraisal

Kajal Khillari*, Pratiksha Bhojane, Divya Chavan,
Om Bagade, Ankita Chaudhari, Saroja Suravase
PES Modern College of Pharmacy, Moshi, Pune -412105

Introduction: Prebiotics are mostly fibers that are non-digestible food ingredients and beneficially affect the host's health by selectively stimulating the growth and/or activity of some genera of microorganisms in the colon. A product produced by one microorganism stimulating the growth of another microorganism". Escherichia coli strain Nissle 1917, certain enterococci, especially Enterococcus faecium SF68, and the yeast Saccharomyces boulardii. Bacillus dominant the scene mostly of the genus formers bacterial spore. Liver secretes bile salts into the small intestine to digest fatty foods at a concentration of 0.15-0.30%. Hot water extraction from chicory root followed by enzymatic hydrolysis. Health benefits from prebiotics may be obtained by incorporating them into products such as nutraceuticals and functional foods.

Conclusion: Overall in this review probiotics and prebiotics have been discussed with respect to the systemic effects they exert on the host's health, metabolism and immune system. Probiotics, probiotics have systemic effects on the host's health metabolism and immune system.





H 34

Different techniques of Iontophoresis and its applications: Way to drug delivery system.

Divya Chavan*, Pratiksha Bhojane, Kajal Khillari, Om Bagade, Ashwini Mall
PES Modern College of Pharmacy for ladies, Moshi, Pune-412 105

Iontophoresis is a procedure of transdermal medication conveyance by utilization of a voltage angle on the skin. Molecules are transported over the stratum corneum by electrophoresis and electroosmosis and the electric field can likewise expand the penetrability of the skin. These wonders, straightforwardly and in a roundabout way, establish dynamic transport of issue because of a connected electric flow. The vehicle is estimated in units of synthetic motion, ordinarily $\mu\text{mol}/(\text{cm}^2 \cdot \text{hour})$. Iontophoresis has test, restorative and symptomatic applications. In spite of the fact that iontophoresis is regularly used to treat serious perspiring, it might likewise be utilized to treat an assortment of games wounds. The electrical flow helps the skin effectively ingest the meds. Iontophoresis has been utilized to treat unnecessary perspiring on the hands and feet since the 1940s. Amid iontophoresis, a therapeutic gadget is utilized to pass a gentle electrical ebb and flow through water (more often than not utilizing shallow searches for gold or feet or explicit cushions for other body territories) and through the skin's surface. The future parts of iontophoretic treatment and the drugs at present accessible are incorporated into this article. Iontophoresis as a treatment routine has picked up ubiquity in moderately less treatment procedure yet the idea ought to be all around advanced as it offers improvement to transdermal medication conveyance framework. This framework being non intrusive, torment free and with least symptoms must be utilized in the majority of the treatment routine.





H 35

Study of pre-extraction techniques of crude drugs and different emerging extraction methods

Pratiksha Bhojane*, Divya Chavan, Kajal Khillari, Ankita chaudhari, Om Bagade
PES Modern College of Pharmacy Moshi, Pune-412105

The acquisition of medicinal plants began with the pre-extraction and furthermore the extraction procedures, which is an significant step within the processing of the bioactive constituents from plant materials. Traditional methods likemaceration and Soxhlet extraction are commonly used at the tiny research setting or at Small Manufacturing Enterprise (SME) level. Significance advances are made within the processing of medicinal plants like the fashionable extraction methods; microwave-assistedextraction (MAE), ultrasound-assisted extraction (UAE) and Supercritical fluid extraction (SFE), in which these advances are aimed to extend yield at lower cost. Moreover, modifications on the methods are continuously developed. With such sort of methods present, assertion of proper extraction method need rigorous characterization. This appraisal which reflects the principle, potential and few barriers of the commonly used methods with examples in upcoming years to trigger out the proper method selection. With regards to the discriminatory phytochemicals in medicinal plants. Apparently, the shift towards natural products in pharmaceuticals and cosmaceuticals industry, the research on medicinal plants especially are as crucial as the research on conventional drugs. Medicinal plants are presently in appreciable significance view because of their special traits as an extensive source of therapeutic phytochemicals which may lead for the fabrication of novel drugs. Interest in utilizing natural sources in their designing, development and characterization of various products, as substitute to conventional drugs and artificial products, contribute to extend interest in research and industrial postulation of medicinal plants.





H 36

A Novel Approach of Spherical Agglomeration

Mayuri Magar, Pallavi Zaware, Jayashree Sonawane, Nilesh Kulkarni
PES Modern College of Pharmacy Moshi, Pune-412105

Spherical agglomeration is particle engineering technique which involves the transformation of fine crystals into spherical shape particles which enhances the powder properties such as particle size, shape, flow properties, solubility and bioavailability of pharmaceutical drug substance. This techniques could be used for masking of the bitter taste of drugs, Utilization of these process improves wettability and dissolution of some drugs. The processes such as separation, filtration, drying etc. to be carried out more efficiently by application of these technique. The method has several disadvantages as Selection of the suitable solvents is tedious process, Maintenance of processing parameters (temperature, agitation etc.) is difficult, Traditional crystallization process, Different techniques are reported in literature for the preparation of spherical agglomerates as Solvent change method, Quasi emulsion solvent diffusion method, Ammonia diffusion method, Salting out method. Literature survey indicates the use of polymers as Polyethylene glycol, Cross povidone, Starch, Cross carmellose sodium, Hydroxyl propyl methyl cellulose, Hydroxyl propyl cellulose, Ethyl cellulose, PEG400, Polaxomer188 etc. Spherical agglomeration can be adopted as an important approach for increasing the solubility and dissolution of poorly soluble drug.

36



Criterion 3 - Research, Innovations and Extension



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

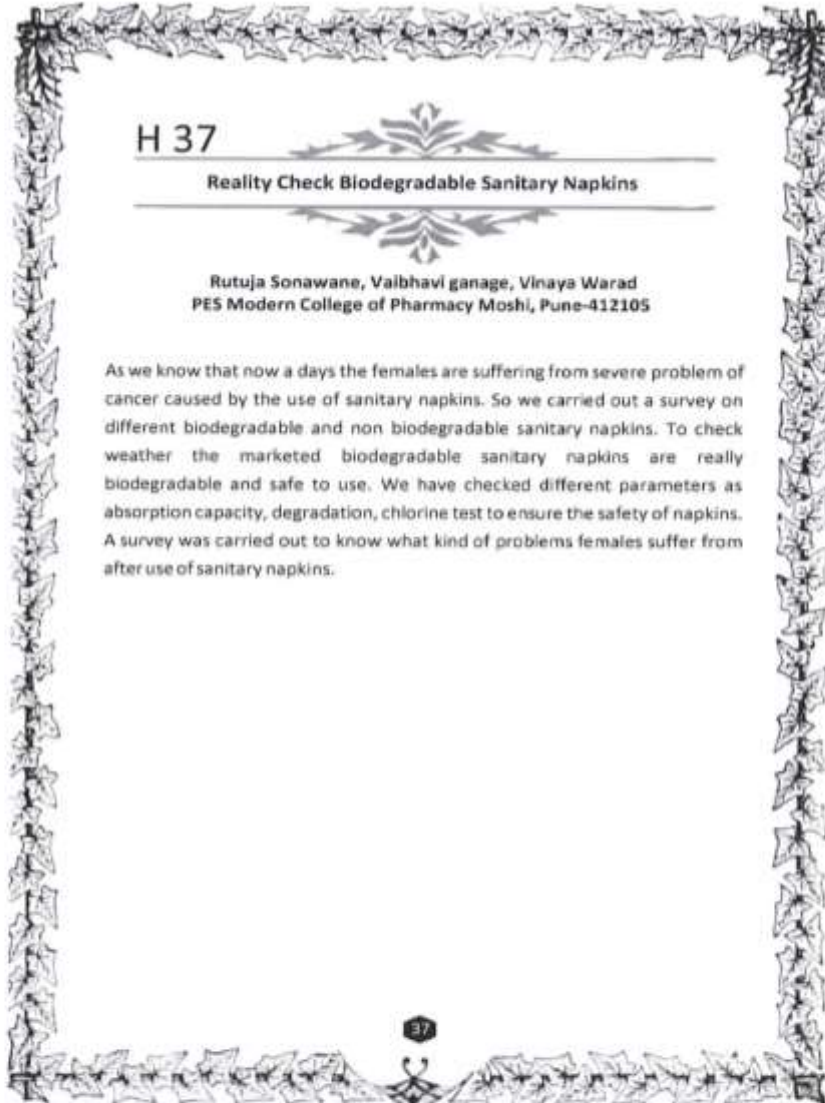
Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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



H 37

Reality Check Biodegradable Sanitary Napkins

Rutuja Sonawane, Vaibhavi Ganage, Vinaya Warad
PES Modern College of Pharmacy Moshi, Pune-412105

As we know that now a days the females are suffering from severe problem of cancer caused by the use of sanitary napkins. So we carried out a survey on different biodegradable and non biodegradable sanitary napkins. To check weather the marketed biodegradable sanitary napkins are really biodegradable and safe to use. We have checked different parameters as absorption capacity, degradation, chlorine test to ensure the safety of napkins. A survey was carried out to know what kind of problems females suffer from after use of sanitary napkins.



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

H 38

REVIEW ON ANTIBACTERIAL ACTIVITY OF HERBS

Rutuja Umate*, Smita More, Pooja Auti, Priyanka Kokate
PES, Modern College of Pharmacy (For Ladies), Moshi, Pune.

Research in the industry and the reviews related to the antibacterial activity in pharmaceutical industry is observe and study. This study aimed to test a variety of naturally occurring, medicinal and potentially food-compatible herb and spice extracts for their antimicrobial potential against a group of food borne bacterial pathogens. Medicinal plants are traditionally used for the treatment of human infections. The use of plants in treatment of burns, dermatophytes and infectious diseases are common in traditional medicine. The development of new antimicrobial agents against resistant pathogens is increasing interest. The beneficial medicinal effects of plant materials typically result from the secondary products present in the plant although, it is usually not attributed to a single compound but a combination of the metabolites. This Antibacterial activity supports their use in treatment of infections caused by such resistant bacteria. The present review deals with study of antibacterial activity of various medicinal plants. One such review shows Euphorbia hirta is having antibacterial activity. Along with this different herbs are available which provide antibacterial activity. This review will focus on compilation of literature study of different herbs providing antibacterial activity which will be helpful for the future scientist in formulating the dosage form.

38





H 39

**Neutraceuticals: Novel Perspective For Health
Promotion And Disease Prevention**

**Pooja More*, Smita More, Mohini Upadhye,
Manoj Munde,Saloni Bhogal, Nutan Date
PES Modern College of Pharmacy (For Ladies), Moshi**

A nutraceutical is a food or a part of a food substance that provides medical or health benefits, including the prevention and treatment of diseases. The food products used as nutraceutical are Probiotic, Prebiotic, Dietary fiber, Omega 3 fatty acid, and antioxidants, in this article an attempt has been made to outline the basic aspects of nutraceuticals such as its classification, and importance and complexity as dietary supplements. From various literatures few of the critical validation aspects of nutraceuticals like complexity of nutraceutical market, an emerging need for official dietary supplement testing methodology, and its role and applications as supplement in herbal medicine, regulatory acts and issues in India relevant to nutraceuticals, sample set validation of nutraceuticals, few of the research reports on validation of few selected nutraceuticals with current scenario and future prospects are compiled and reviewed, which would help to frame a fundamental idea on the validation aspects of nutraceuticals.

39





H 42

**Sustained Release Herbal Matrix
Tablets, Preparation And Their Evaluation**

Richardson Charmine**, Mohini Upadhye*, Mohini Kuchekar*
*PES Modern College of Pharmacy (For Ladies), Moshi, Pune
, **PES Modern College of Pharmacy, Nigdi, Pune

Oral administration has been most convenient and commonly used route of drug delivery. In the recent years, researchers focus on development of sustained release drug delivery as oral route of administration. This dosage form is designed to release drug at programmed rate by maintaining drug level constant for definite period of time with minimum side effect. The *Cinnamomum tamala* (Lauraceae) leaves has been proved for its diuretic activity in the previous literature, hence, the present study has been carried out to formulate sustained release matrix tablet and studied its evaluation parameters. It was concluded that, *Cinnamomum tamala* can be successfully formulated in to the sustained release dosage form which will be beneficial for its improved bioavailability and sustained release action.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

H 46

Formulation And Characterization Of Triphala Churna

Nikita Borhade, Mohini Upadhye, Poonam P. Taru, , Pranali Gore, Trupti Bedre
PES Modern college of Pharmacy (For Ladies), Moshi Pune

Due to safety and efficacy Ayurvedic medicines play an important role in gastrointestinal problems. Hence churna meant for digestive property and it is also used for constipation as home remedy has been formulated. Triphala churna is a powdered preparation made with fruit pericarp of three ingredients, Emblica officinalis (Amala), Terminalia bellerica (Behada), Terminalia chebula (Hirda) in equal proportion. In the present study the raw material was procured from local market and Triphala churna was prepared by standard procedures and evaluated by different Methods.

46





H 47

Formulation and Characterization of Medicated Pain Relief oil

Sakshi Arjun, Poonam P. Taru, Juee Bhalekar, Vaishnavi Jadhav
PES Modern college of Pharmacy (For Ladies), Moshi Pune

Since ancient times Health has been of utmost importance for the mankind. Chronic musculoskeletal pain is a common symptom of the human population. In the present era Inflammation and rheumatism remain serious problem. It has been reported since time immemorial. Chronic pain of musculoskeletal origin is a very common symptom and has major effect on the physical, mental, and economic aspects of the patients. There is always a issue among physicians and patients for effective analgesic, curable preparation that can be locally applied. The definition of chronic pain which is most acceptable is the pain which last for more than 3-6 months. The present work was aimed to formulate herbal pain relieving oil using various herbs viz., Sesam oil, Ginger Powder, Garlic, Ajowan etc., for the treatment of arthritis. The formulated herbal oil was evaluated and various parameters such as viscosity, saponification value, pH etc., were determined and reported. Number of allopathic formulation available in market for the treatment of inflammation, but these suffer from side effects like heartburn, stomach pain, nausea, vomiting, diarrhea, constipation, nephrotoxicity etc. It is considered that the herbal medication as safer as compared to that of allopathic medicine in the market.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Antioxidant As Nutraceuticals

Nikita Chavan , Pratiksha Kalse
PES Modern college of Pharmacy (For Ladies), Moshi, Pune

In many cases, we can't keep up with the need for essential nutrients through our normal diet and that's where antioxidant-containing nutraceuticals play an important role. Antioxidants in particular, represent a growing category of nutraceuticals. These compounds are able to mitigate some of the damage caused by free radicals – most often reactive oxygen species – on the lipids present in cell membranes. E.g Vitamin C is a non-enzymatic antioxidant capable of neutralizing potentially harmful reactive oxygen species. While many fruits and vegetables – such as broccoli, strawberries and oranges – are high in dietary vitamin C The importance of antioxidants for maintaining the physiological functions of liver, kidney, digestive system, and prevention of cardiovascular diseases and cancer has also been highlighted for example, black chokeberry (*Aronia melanocarpa*) found in juices, purees, jams, and so forth which, containing high levels of polyphenols and flavonoids, has potential interventive value for a range of chronic diseases such as diabetes and cardiovascular diseases. Fermented grain food supplements also contain antioxidants, e.g., Antioxidant Biofactor, reducing lipid oxidation by scavenging upon the peroxy radical



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A8

Ichthyosis: An Update

Rohini Pujari, Nikita Chaudhari, Kalpita Kulkarni
PES, Modern College of Pharmacy (For Ladies)
Moshi, Pune -412105

Ichthyoses refers to group of skin disorders also called as disorders of keratinization or cornification (DOK), constitutes a heterogeneous group of skin diseases associated by the common clinical feature of abnormal barrier function, causing a default compensatory pathway of hyperproliferation, resulting into generalized or localized scaling of skin. Other clinical manifestations include generalized erythroderma, xerosis, palmoplantar and hypohydrosis keratoderma infections. Dependent on pathophysiology, mode of inheritance and clinical features, ichthyosis was firstly classified at Ichthyosis Consensus Conference, 2009 into two forms: nonsyndromic forms having clinical features limited to the skin and syndromic forms including involvement of additional organ systems. This review mainly gives the details about the definition, types, etiology, epidemiology, prevalence rate, pathophysiology, immunology, clinical features, diagnosis and treatment of ichthyosis.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A10

Amorphophallus paeoniifolius Starch: As Novel Alternative Disintegrant for Pharmaceutical Application

Kandekar Ujjwala Y.^{*}, Abhang Tejal R.[†]

[†]JSPM's Rajarshi Shahu College of Pharmacy and Research

^{*}PES Modern College of Pharmacy (For Ladies)

Oral drug delivery system has always been the most prevalent route of administration and continuous efforts are made to improve the drug delivery by this route. The purpose of the current research work was to isolate and study the physicochemical properties of the *Amorphophallus paeoniifolius* starch and further compare its disintegration ability with the maize starch. Starch was isolated from *Amorphophallus paeoniifolius* sby aqueous extraction method and possesses characteristic that are typical of starches. It was further evaluated for presence of other foreign matter and phytoconstituents. Results showed that isolated sample was free from foreign organic matter and total ash value was found to be 0.1%. P-XRD study indicates amorphous nature of starch and SEM images reveals smooth nature of particles. Tablets were prepared by wet granulation method by varying concentration in the range of 2.5 to 10% w/w for both the starches. Pre and post-compression parameters were studied and were found within the pharmacopoeial limits. Disintegration tests showed that disintegration time decreases with increasing concentration of both the starches. At 10% w/w concentration, disintegration time was found to be lowest hence it was selected as optimized formulation and stability studies were performed and it was found to be stable. Determination of disintegration efficiency indicates that *Amorphophallus paeoniifolius* starch exhibit disintegrating potential.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A12

**A Review on Analytical Method Development and
Validation for Antidiabetic Drugs by UV, HPLC and HPTLC**

Manoj Munde, Nikita Rukhe

PES Modern College of Pharmacy (For Ladies)

SGLT-2 are the newly developed class of antidiabetic medicine also called as gliflozins. Empagliflozin, Dapagliflozin, Canagliflozin are the SGLT-2 class inhibitor. Which are used to treatment of type II diabetes mellitus. Drug required the analytical procedures along with pharmacokinetics and pharmacodynamic parameters and stability study of the drug are required. In this review we compiled different published analytical method for the development and determination of the empagliflozin. It shows the pharmacological parameters of various SGLT-2 inhibitors which include the protein binding, T_{max}, T_{1/2}, and bioavailability of various SGLT-2 inhibitors. It shows the analytical method development and validation of Empagliflozin, Canagliflozin and Dapagliflozin alone with its combination of other drug by using UV, HPLC, HPTLC method.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A15

Novel Stability Indicating HPLC Method for Determination of Related Substances Present in Clobazam Oral Suspension

Reshma M. Tathe^{1*}, Santaji Nalwade², Tambe V. S³

¹ PES's Modern College of Pharmacy (For Ladies), Moshi, Pune-412105
² Callidus Research Laboratories Pvt Ltd., Chakan Industrial Area, Nigohje,

A novel, sensitive, stability-indicating, gradient, reverse-phase high performance liquid chromatographic method has been developed for quantitative determination of Clobazam and its impurities in oral suspension. The chromatographic separation from degradation products and matrix components was achieved on a YMC Pack ODS-A column with gradient elution of mobile phase containing water and acetonitrile at a flow rate of 1.0 mL/min. The method was found to resolve the degradation products generated after stress testing (hydrolytic, oxidative, photolytic and thermal) of drug product. The method is validated as per International Conference on Harmonization guidelines with respect to specificity, linearity, limit of detection, limit of quantification, accuracy, precision and robustness.



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A18

General Characterization and Proteome Analysis of Snake Venom Toxins

Priyanka Patil*, Vrushali S Tambe
Modern College of Pharmacy (For Ladies), Moshi, Pune

Snake venoms are complex mixtures of organic and inorganic compounds, many of which display biological activity. Also snake venoms are an extremely rich source of pharmacologically active proteins with a considerable clinical and medical potential. It has been demonstrated that antisera raised against whole venom or a single purified venom protein from one species of snake will react with proteins in the venom of other species. The structural and functional elucidation of snake venoms components may contribute to a better understanding of the mechanism of action of these proteins during envenomation and their potential pharmacological and therapeutic applications. The latest achievements in the determination of snake venom proteome, based primarily on the development of new strategies and techniques. Detailed knowledge of the venom toxin composition and biological properties of the protein constituents should provide the scaffold for the design of new more effective drugs for the treatment of the haemostatic system and heart disorders, inflammation, cancer and consequences of snake bites, as well as new tools for clinical diagnostic and assays of haemostatic parameters.



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A20

Risk of Complications in Obese Patients

Sushama Ture*, Akanksha Shinde, Rani Gurudasani
Modern college of Pharmacy (For Ladies), Moshi

Obesity is a medical condition in which excess of body fat accumulation to an extent that it may have negative effect. Such as in type 2 diabetes, where there occurs a resistant to insulin secreted, due to accumulation of fat. Due to obesity the HDL level reduces which leads to heart disease. Also the obesity causes cancer by promoting chronic lower level inflammation which causing damage to DNA and other health problems. The people are generally considered as an obese when their body mass index is more than or equal to 25kg/sq.m. The measurement of body mass index is obtained by dividing person's weight by the square of person's height in meter square. Obesity is a cause of all chronic diseases which leads to increase in death rate. Considering the body mass index the obesity is thus treated as -if BMI IS LESS THAN 28 it can be treated by controlling diet and physical exercise, if it is in between 28 to 35 then pharmacological treatment is preferred, if it is exceed than 35 or 40 then the bariatric surgery is recommended.



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A21

A Novel approach of Self Micro Emulsifying Drug Delivery for Ocular Administration

Jyoti Rathod, Pratiksha S. Indore, Nilesh S. Kulkarni
PES Modern College of Pharmacy (For Ladies),
Moshi, Pune. 412105, Maharashtra, India

Ocular administration of drug is primarily associated to treat the ophthalmic diseases. The ocular drug delivery must be able to sustain the drug release. Various ophthalmic formulations as nanoparticles, nanoemulsion, microemulsion, nanosphere, microspheres, nanosuspension have been developed. As such formulations can prolong the contact time of vehicle on a ocular surface and also slow down the drug elimination. Microemulsion are the thermodynamically stable & clear dispersion of oil & aqueous phase stabilised by surfactant & co-surfactant and have small droplet size less than 100 nm. SMEDDS approach is generally adopted for enhancement of bioavailability of poorly water soluble drugs. SMMEDDS are the appropriate system for ocular drug delivery as it improves the ocular drug retention, high ocular absorption and extended duration of action. The surfactant/co-surfactant combination used in SMEDDS can enhance effect of drug permeation across the cornea. The objective of the study was to develop such a delivery system to minimize the drug degradation & loss, to prevent the harmful side effect & to increase the bioavailability. The present review highlighted the developmental steps of SMEDDS for the ocular drug administration as novel dosage forms to improve patient compliance.

21



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A22

A Systematic Review on Oral Drug Delivery as a Fast Dissolving Film to Improve Therapeutic Effectiveness

Puja S. Wakase*, Mukta A. Kulkarni, Nilesh S. Kulkarni
PES Modern college of Pharmacy (For Ladies), Moshi, Pune 412105

Oral routes are mainly preferred route to administer and to deliver drug. Most common oral dosage forms are capsule and tablet. In some cases, the solid oral dosage form may become difficult in swallowing e.g. sudden episode of allergic reaction, motion sickness, coughing, unavailability of water, fear of choking and in different age group of patient and patients who suffer from dysphagia. The administration of pediatric and geriatric population is the advantages of oral film technology where the difficulty in swallowing and larger oral dosage forms is eliminated. It is an interchange platform for molecules that undergo first pass metabolism. To overcome these problems, drug delivery systems of fast dissolving has been developed. Fast dissolving oral delivery systems are solid dosage forms, which dissolve or disintegrate within 1 min when placed in the mouth without chewing or water. The drug are formulated by Oral dissolving films incorporating with selected oral cavity absorption enhancers oral dissolving film carriers are specially designed. Oral films are formulated by using polymers, plasticizers, saliva stimulating agents, colours, flavors and sweeteners. Different methods are reported in literature as solvent casting method, hot melt extrusion method, rolling method and solid dispersion method for the preparation of film. The objective is to target local, for rapid onset of action, to avoid first pass metabolism and to mask bitter taste of drugs. Overall it leads to patient compliance with improved therapeutic success.

22



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A23

Preparation and Characterization of Nano-Particulate Solid Ternary System of Carbamazepine obtained by Freeze Drying Technique

Pratiksha Indore, Kajal Batwal, Jyoti Rathod, Nilesh Kulkarni
PES Modern college of Pharmacy (For Ladies), Moshi, Pune 412105

The present study deals with solubility enhancement of poorly water soluble Carbamazepine drug. It is used to control seizures in treatment of epilepsy. The poor bioavailability of drug is attributed towards poor solubility. Poor solubility of drug is rate determining step for the absorption of drug and it leads to poor bioavailability. Hence, there is need to enhance solubility of drug. For the preparation of ternary system different carriers was used respectively along with the PVP K 30. The freeze dried ternary systems were prepared. The prepared ternary systems were evaluated for drug content and in-vitro dissolution studies in water and acidic buffer pH 1.2. Characterization of ternary systems were carried out by Fourier transform infrared spectroscopy, Differential scanning calorimetry, Powder x ray diffraction study, Scanning electron microscopy, particle size analysis and zeta potential measurement. The freeze dried ternary systems showed significant enhancement in dissolution of carbamazepine over physical mixtures and plain drug. This is confirmed by the characterization study of Fourier transform infrared spectroscopy, Differential scanning calorimetry, Powder x ray diffraction study, Scanning electron microscopy, particle size analysis and zeta potential measurement. The particle size and zeta potential of freeze dried ternary system containing was found to be 102 nm and -17.1 mv. Thus nano-particulate solid ternary system of carbamazepine with enhanced solubility was developed successfully.

23



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A24

Evaluation of Various Marketed Hair Conditioner

Saloni J. Bhogal, Manoj K. Munde, Nilesh S. Kulkarni
PES Modern College Of Pharmacy (for Ladies),Moshi

Hair conditioner is a hair care product used to improve the feel, appearance and manageability of hair its main purpose to reduce the friction between strands of hair to allow easier brushing or combing, which might otherwise cause damage to the scalp. The evaluation is helpful to have technical measurements of product performance that provide guidance to the formulation chemist, while also potentially being useful in product marketing. Of course, these instrument-based evaluations contain no information about the aesthetics of formulations, which are considered to be atleast equal in consumer importance. As such, surface lubrication represents the primary function of conditioning products, with improve manageability through grooming becoming an additional benefit. The ideal pH of hair conditioners for occuring the seal of cuticle and provide shine to the hair is 4.0. The work is aim to evaluate marketed brands (Dove, Loreal, TRESemme, Pantene, Sunsilk) for Colour, PH, wetting action, surface tension.

24



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A25

Mask for Viral Infections, Energy Boosting and Stress Relief

Samruddhi Pise*, Rutuja Pansare, Mohini Upadhye
PES Modern College of Pharmacy (For Ladies), Moshi

There is a well-known phrase "prevention is always better than cure", mouths masks are one of the most commonly used preventive measure for various viral infection as mouth mask help limit the spread of germs while talking, sneezing, coughing, and protecting the other people from all type of respiratory viral infection this masks can be made more effective by incorporating various medication in them. Also various types of masks can be prepared for relaxing body and mind and also for reducing stress and fatigue by using various mixture of essential oil in them .This mask can be used as a self-medication and can be made available in cheaper cost. Instead of using cotton mask, it is preferable to use surgical mask as a supporting medium for this formulation. It is easy and comfortable to use for individual of any age group and also easily disposable.

25



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A26

Investigation of Antivenom Activity of *Tamarindus Indica* Seed Extract

Mundhe Priyanka, V. S. Kashikar
PES Modern College of Pharmacy (For Ladies), Moshi, Pune

Snake envenomation is common in tropical and subtropical regions of the world. Snakebites represent a public health hazard that leads to high morbidity and mortality in the Indian subcontinent. Snakebite is an occupational hazard for the rural agriculturist. Among the poisonous snakes of India, *Vipera russelli* and common cobra are one of the most common causes of snakebite. Antivenom is currently the only available antidote for treating snakebite universally. Antivenins are commonly used to treat the snakebites; however, they are limited in their efficacy in the neutralization of local tissue damage. In the recent years, there has been growing interest in alternative therapies and therapeutic use of natural products, especially which are derived from plants. Lethality, inhibition of phospholipase A2 enzyme, neutralization of hemorrhagic action, neutralization of procoagulant activity and protease inhibition are tested for the antivenom efficacy of plant extract. Plant extracts represent an extremely rich source of pharmacologically active compounds and possess more than one biochemical/pharmacological property. Interaction of such compounds with the toxins/enzymes leads to the neutralization/inhibition of their activities. Tamarind (*Tamarindus indica*) belongs to the family Leguminosae and grows abundantly all over India. Tamarind seed extract inhibited the PLA2, protease, hyaluronidase, L-amino acid oxidase and 5'-nucleotidase enzyme activities of venom in a dose dependent manner.

26



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A27

Quality By Design (QBD) Approach in Pharmaceuticals

Ms. Kad D. R, Ms. Kaldoke Priya, Ms. Totre Akshada
PES Modern Collge of Pharmacy (For Ladies), Moshi, Pune

Traditional approach of formulating a new drug product is an exhaustive task and involves a number of resources like man, money, time and experimental efforts, using this Quality by Design (QbD) approach one can get the pharmaceutical product of desired (best) quality with minimizing above resources as well as knowing the influence of one factor over the desired associated process. Hence aim of this review is the understanding of QbD approach to design product and manufacturing process to get desired pharmaceutical product. QbD follows the concepts of ICH guidelines (Q8, Q9 & Q10) which are essential for processing a pharmaceutical process. This review emphasis various aspects of keynotes of QbD like ascertaining drug product quality profile, prioritizing input variables for optimization, modelization & validation of QbD methodology and in the last QbD validation, scale up and production as well as software used for QbD. Hence QbD approach not only useful in facilitating comprehension of the products or process but also useful to attain an excellent and economical product which follow federal compliance.

27





A28

Structural evidence of differential forms of Nanocrystals and its effect on solubilization of a model drug by Response Surface Methodology

Ankita K. Chaudhari*, Om M. Bagade,
Rutuja Yadav, Nikita N. Jalsakare, Saroja Survase, Ashwini Mali
PES, Modern college of Pharmacy (for ladies) Moshi.

Introduction: Nanocrystals are tiny particle with a size of about a virus, which can be filled with a wide variety of drugs and can circulate around the body until they encounter the specific target site and stick on the surface and begin to release the drug in a controlled and predictable manner. **Objectives:** The present study was carried out to utilize the practicability of polymeric nanoparticles as an alternative carrier for targeting Rasagiline mesylate (RM), for improving poor oral bioavailability. **Methodology:** RM loaded nanocrystals with different polymers were developed by precipitation technique with response surface methodology (RSM) was evaluated for various physicochemical parameters and in vitro drug release. **Results and Discussion:** Infra-red (IR) studies revealed that there was no interaction between the drug and polymer. In DSC, endothermic peak was observed which indicated substantial crystalline change of drug due to nanosizing. XRD of formulation confirmed that formation of amorphous product which might lead to enhanced solubility of the drug. From the RSM it was observed that best optimized formulation was F6 which showed i.e. Entrapment efficiency 83.7%, Particle size 246 nm. The particle size analysis revealed that 90% of the particles had a particle size around 240 nm which perfectly matched with the SEM (Average by scale 242 nm) had almost round and uniform shape and an average particle size of 246 nm was observed in TEM which was porous and spherical in nature. The value of zeta potential -24.5mV indicates the more retention time for nanocrystals and long term stability. **Conclusion:** It is thus concluded that controlled drug delivery via the polymer based systems has been proposed to be conquest both in present and in future; as having copious prospective advantages for scientific as well as economic reasons.

Keywords: Solubility, Particle size, zeta potential, Bioavailability

28





A29

***Hylocereus polyrhizus* (Dragon Fruit) - An overview**

Rohini R. Pujari, Mohini C. Upadhye, Snehal Kumbhar, Snehal Shinde
PES Modern College of Pharmacy (For Ladies), Moshi, Pune

Pitaya (*Hylocereus* spp.) or dragon fruit is originated principally from the tropical and subtropical forest regions of Latin Americas, including North, Central and South America. It is a perennial, epiphytic climbing cactus with triangular, fleshy, and jointed green stems. The red pitaya is a rich source of nutrients and minerals i.e., vitamin B1, vitamin B2, vitamin B3 and vitamin C, protein, fat, carbohydrate, crude fiber, flavonoid, thiamin, niacin, pyridoxine, kobalamin, phenolic, betacyanins, polyphenol, and carotene. Red pitaya fruit is rich in phytoalbumins which exhibit high antioxidant activities. Thus, the probiotic properties and high antioxidant uses of the red pitaya fruit have been reported. Dragon fruit is used to flavor and color juices and alcoholic beverages, such as "Dragon's Blood Punch" and the "Dragotini". The flowers can be eaten or steeped as tea. The red and purple colors of *Hylocereus* fruits are due to betacyanins, a family of pigments that includes betanin, the same substance that gives beets, Swiss chard, and amaranth their red color. A 100 gram amount of pitaya contains 60 calories, 82% carbohydrates, 4% protein, and 11% of the Daily Value each for vitamin C and calcium. Dragon fruit helps in improving platelet count in dengue patients because of its antioxidant properties. It has been also reported to possess several pharmacological activities too. This review gives us an idea about the pharmacognostical and pharmacological profile and several traditional uses of Dragon fruit.

29





A30

**Comprehensive Study on Standardization
Parameters of Indigenous Medicinal Plants**

Priya Gunjal*, Anjali, Mohini Upadhye
PES Modern College of Pharmacy (For Ladies) Moshi

Pharmacognosy is considered as study of medicine derived from natural sources, mainly from plant. It basically deals with standardization, authentication and study of natural drug. Pharmacognostic studies ensures plant identify, lays down standardization parameter which will help and prevent adulterations. The present study will be helpful for conformation of the identity, finding quality and purity and detection of presence of adulterants by various parameters like morphological, microscopical, physicochemical, chemical and biological observations. *Muntingia calabura*. is an important medicinal plant as the leaves can be used for preparing herbal tea for various health benefits. Also traditional medicinal uses have been reported for the leaves including tretment for headaches, prostate problems, gastric ulcers, bark is sused as antiseptic, flowers are important as antiseptic, reducing swelling, antispasmodic and fruits have reported to be useful in respiratory problems and anti diarrheic.

As per records, comparative pharmacognostical work on such potential drug is not mentioned, the present work was taken up to produce the pharmacognostical standards. The study deals with the pharmacognostical examinations including morphological, microscopical and phytochemical characters. Physicochemical constants of leaves, bark and fruits of *Muntingia calabura* were also determined which include determination of leaf constants, ash value, foaming index, swelling index, moisture content and extractive value, foreign organic matter, crude fiber content etc as per official guidelines. This study will be helpful for setting of the monograph and standards of *Muntingia calabura*.

30



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A32

Structure Based Drug Design

Sneha Rashinkar , Dipali Rode, Vijaya Vichare
PES Modern College Of Pharmacy (For Ladies) Moshi

Structure-based drug design is the design and optimization of chemical structure with the goal of identifying a compound suitable for clinical testing. The drug is most commonly an organic small molecule that activates or inhibits the function of a biomolecule such as a protein, which in turn results in a therapeutic benefit to the patient. Drug design that relies on the knowledge of the three-dimensional structure of the biomolecular target is known as structure-based drug design. Drug discovery has evolved through various stages into more rational and evidence-based drug designing. Compared to conventional methods which were time consuming and less logical, new drug designing based on structure is rational, evidence based, faster and more scientific in nature. In the era of modern medicine, where newer insights into molecular level of disease processes are available, it is very essential that drug designing be based on molecular mechanism of pathologic processes. Structure-based drug designing has made tremendous contributions in the field of cancer chemotherapy, drug resistant infections, neurological diseases, to mention a few. Computational structure-based drug designing opens the door to novel treatments in modern medicine.



Criterion 3 - Research, Innovations and Extension



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

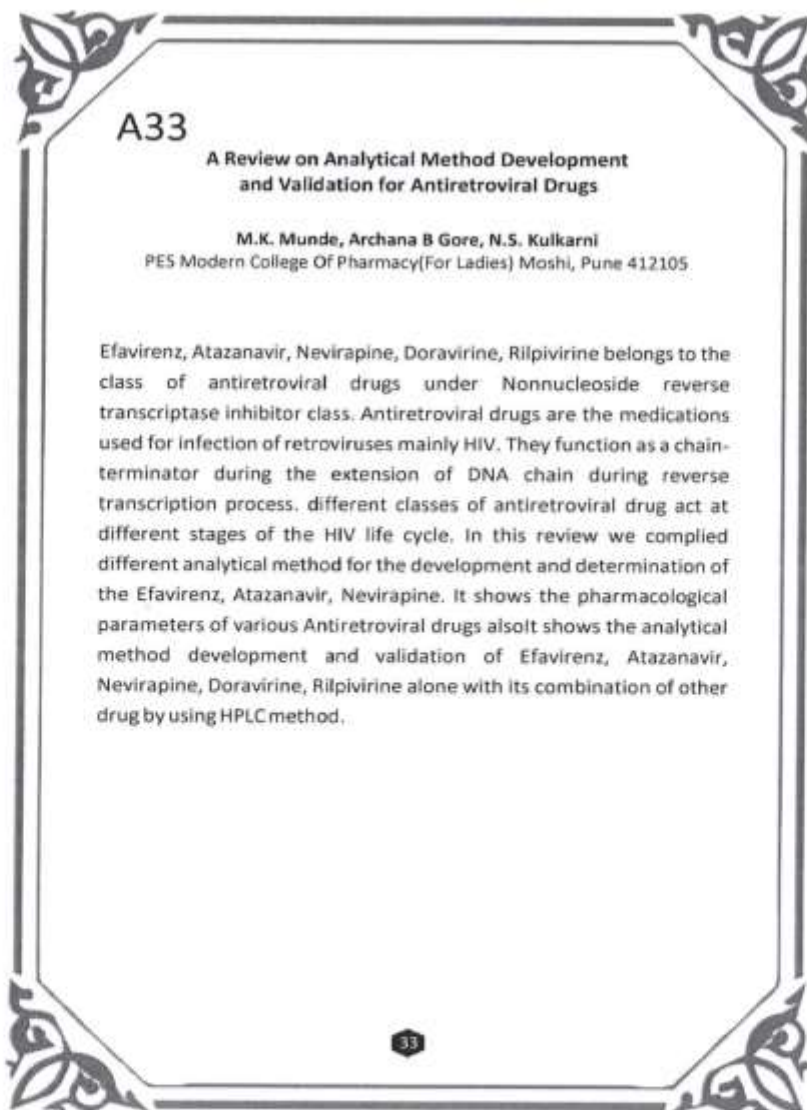
Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A34

**Formulation Development And
Evaluation Of Herbal Antiallergic Cream**

Tejashri Sawant*, Vrushali S Tambe
PES Modern College Of Pharmacy (For Ladies), Moshi, Pune

Allergy is one of the most common conditions that affect mankind with diverse manifestations. Allergies have become big problem around the world. Approximately 20% to 30 % of total population in india suffers from at least one allergic disease. Out of this, about 15% develop asthma. Urban children have higher prevalence with male predominance. About 4.5% of adolescents are allergic certain food items leading to asthma, rhinitis or both. andrographis paniculata is widely used in traditional remedies in india in a number of clinical conditions including allergic manifestations. Two diterpenes, andrographolide and neoandrographolide, isolated from the plant, were evaluated for their antiallergic activity.

34



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A36

Water Never Becomes Stale

Vinaya A. Warad, Ankita Thorat, Shweta Lavate, Komal Pabale
PES Modern College of Pharmacy (For Ladies), Moshi, Pune

Water is essential for life, now a days we are facing scarcity of water. Water supplied by municipalities is purified by sedimentation, filtration and chlorination. In every house water is collected daily, stored and used for drinking and cooking purposes. Usually remaining water is thrown out because in our society people believe that stored water becomes stale. So attempt is made in present work to find out microbial quality of water stored for 7 days. Microbial quality of stored water is tested by two methods- 1) Plate count method : where number of microorganisms in water were measured as colony forming unit per ml of water. 2) Turbidity method : where number of microorganisms in water were expressed as absorbance by using liquid medium. Municipality water has 1 ppm residual chlorine levels which protect water from microbial multiplication. Number of microorganisms in water does not increase if stored in clean and closed container. It was observed that there is no increase in number of microorganisms in water on storage. Our experiment proves that microbial quality of water does not deteriorate during storage, so drinking water should not be thrown out. Drinking water stored properly can be used even after 7 days and is safe microbiologically.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A37

A Review on Comparative Analysis of Phenolic, Flavonoid Content and Antioxidant Potential of Endogenous Medicinal Plant

Snehal H. Sutar, Shailaja D. Kadam, Mohini C. Upadhye
PES Modern College Of Pharmacy (For Ladies) Moshi, Pune.

Medicinal plants are considered as rich sources of ingredients which can be used in drug development either pharmacopeial, non pharmacopeial or synthetic drug. Phenolic acids and flavonoids plays a significant role in plants, their impact mainly as antioxidant, on human health have been of great interest in recent years. Flavonoids are powerful antioxidants with anti inflammatory and immune system benefits. While phenols are used for anticancer activity. The given investigation describes the phytochemical analysis, phenolic content, flavonoid content and in vitro antioxidant activity of given endogenous plant. The phenolic and flavonoid content was estimated by spectrophotometric method and antioxidant property of aqueous and alcoholic extracts was estimated by % Hydrogen Peroxide activity Scavenging activity.

37



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A38

Inherent Stability Testing of Anti-Acne Drug Combination by Different Validated Chromatographic Methods

Priyanka Handargule, Vijaya Vichare
PES Modern College of Pharmacy (for ladies), Moshi, Pune

Understanding of inherent stability of drugs helps in proper formulation development. This information also guides regarding selection of appropriate storage conditions, packaging material and shelf life. Stress testing and development of stability indicating methods is the way for understanding the inherent chemical stability of a drug. In stress testing, drugs are subjected to undergo degradation under harsher conditions than accelerated stability studies. The ICH recommended stress testing conditions involve hydrolysis (acid, base, neutral), effect of temperature (with 10°C increments above accelerated stability studies), humidity, oxidation and photolysis on a drug substance. Such a stress testing generates likely degradation products. Identification of DPs helps in establishing degradation pathways and validating the stability indicating property of analytical procedures used. Therefore, a stability indicating RP-HPLC method was developed and validated for an anti-acne drug combination. The major DP was isolated and structure was predicted by LC-MS studies.

38



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A39

Pharmaceutical Validation: A Mandatory Perspective

Vibhavari M. Chatur, Dr. S. N. Dhole
PES Modern College of Pharmacy(Ladies), Moshi

It has always been known that the processes involved in pharmaceutical production impact significantly on the quality of the products. The processes include raw material and equipment inspections as well as in-process controls. Process controls are mandatory in good manufacturing practice (GMP). The purpose is to monitor the on-line and off-line performance of the manufacturing process, and hence, validate it. Thus validation is an integral part of quality assurance. Quality is the primordial intention to any industry and its products manufactured. Multiple views on obtaining quality is the current interest in the pharmaceutical industry.

Method validation is an important part of analytical chemistry to confirm that the method employed for a specific test is suitable for its intended use. As such, it is an essential requirement for any package of information submitted to regulatory agencies in support of new product marketing or clinical trial applications. Currently, there is no single source or final guideline on analytical method validation that helps analysts to perform validation in a systematic manner. Therefore, industry depends on the analyst's knowledge and experience to develop simple and efficient methods of analysis.

The concept of validation has expanded through the years to embrace a wide range of activities from analytical methods used for quality control drug substances and drug products to computerized systems for clinical trials, labeling, or process control. Validation is founded on but not prescribed by regulatory requirements and is best views as an important & integral part of cGMP.

39



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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





A42

**RP-HPLC Bioanalytical Method For
Quantification Of Cilnidipine In Human Plasma**

Raksha Laxman Mhetre^{1*}, Vishal Bhanudas Hol², Shashikant N Dhole³
¹Modern College of Pharmacy (for Ladies),
²Maharashtra Institute of Pharmacy

A RP-HPLC method for quantitative estimation of Cilnidipine in human plasma was developed and validated. The chromatographic separation was performed on CYBERLAB™, USA RP-HPLC system equipped with C18 column (NeoSphere 250 mm X 4.6 mm with 5 micron pore size) using a mobile phase acetonitrile:water (70:30v/v) with a flow rate of 1ml per minute. The method was validated over concentration range 100-2000 ng/ml with coefficient of correlation value (R^2) 0.999. The recovery was found to be 92.95 -103.60%. Limit of detection and limit of quantification was found to be 0.0002 ng/ml and 0.0007ng/ml respectively. This simple, selective and precise bioanalytical method was further successfully applied for pharmacokinetic study of nanoparticulate drug delivery system.

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A43
Development And Validation Of UV/VIS Method For Quantification Of Telmisartan In Dosage Form

Priti Raghu¹, Raksha Laxman Mhetre^{1*}, Vishal Bhanudas Hol², Shashikant N Dhole³
¹Modern College of Pharmacy (for Ladies),
²Maharashtra Institute of Pharmacy,

A simple, rapid, accurate and economic UV/VIS method for estimation of telmisartan in nanoparticulate drug delivery system was developed and validated. Telmisartan has showed wavelength of maxima at 296 nm. The method was validated over concentration range 4 -24 µg/ml with coefficient of correlation value (R^2) 0.9993. The mean recovery was found to be 100.39%. This value was within acceptable limits with a low % RSD. The results of intra-day and inter-day precision were indicated that the assay method was reproducible within the same day and between days. Limit of detection and limit of quantification was found to be 0.355µg/ml and 1.08µg/ml respectively. The developed method was found to be reproducible for routine analysis of telmisartan in dosage form.

43



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A45

Thermal and X-Ray crystallographic
study in development of formulation stage



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A46

Formulation and *in vitro* characterization of Multi grain nutritious cookies for Diabetes Mellitus

Divya Chavan*, Pratiksha Bhojane,
Kajal Khilari, Om Bagade, Ankita Chaudhary
PES Modern College of Pharmacy (For Ladies), Moshi, Pune-412 105

Introduction: Diabetes mellitus (DM) is group of metabolic disorder. Diabetes is due to either the pancreas not producing enough insulin, or the cells of body not responding properly to the insulin produced. Most of the people consumes cookies during breakfast and get energy, so we are formulating the cookies using different plants on the basis of palatability for diabetic patients. Objective: To improves fat and fiber content. Methodology: Grinding and blending method is used to formulate the cookies with different compositions of ingredients such as roasted black gram, juice of bitter guard, mango leaves, plum seeds etc. Result and Discussion: All ingredients were weighed as per formula and passed through the sieves after grinding with definite shape and size. Micromeritics study was observed at initially. Formulations were characterized by using some test like moisture content, ash value, fat content, carbohydrate content, protein content etc. Conclusion: On the basis of formulated data, it was found that our herbal cookies have high amount of proteins, fibers, carbohydrates preferably for the diabetic patients as compared to marketed products. Thus, the scale up of nutritious cookies can be possible with low cost and high efficiency.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A47

Dry Powder Inhaler: An Exploitation of Emerging Technique

Kajal Khilari*, Divya Chavan, Pratiksha Bhojane, Om Bagade, Ashwini Mali
PES Modern College of Pharmacy (for ladies), Moshi, Pune-412 105

Introduction: A Dry Powder Inhaler (DPI) is a device that delivers medication to the lungs in the form of dry powder. The study is set up with an intended to examine about the technical, physiological, and efficacy aspects of the novel pulmonary route of drug targeting and different delivery devices such as metered dose inhalers (MDI), dry powder inhalers (DPI), nebulizers. DPIs is efficient and environmentally friendly way of delivering drug to the lungs. DPIs is alternative to pMDI that delivers medications to the lungs in the form of dry powder. DPI are formulated using four types of formulation strategies such as; Carrier free, Drug carrier, Drug additive, Drug carrier additive. Pharmaceutical powders once in a while spherical, and shape components are dimensionless measures of the deviation from sphericity. Particle size of API must be present in size range about 1-10 micrometer which also guarantee that the patients gets the same dose every time at different air flow rate. **Conclusion:** The study of DPI improves aerosol drug delivery system. It carries high dose capacity & high patient compatibility.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A48

Fabrication and statistical optimization of Carbamazepine loaded Nanocomposite beads

Ashwini R. Mali, Om M Bagade, Saroja R. Survase,
Ankita K. Chaudhari, Madhuri V Date.
PES Modern College of Pharmacy (For Ladies),

Introduction: Nanocomposites beads can be defined as multiphase materials, where one or more of the phases have at least one dimension less than 100 nm. Nanocomposites have a wide range of applications in drug delivery. **Objective:** To enhance the dissolution rate as well solubility of poorly water soluble drug. **Methodology:** Carbamazepine loaded Nanocomposite beads with different polymer were prepared by using sol gel transition method by factorial design was evaluated for various physicochemical parameters and in vitro drug release. **Result and discussion:** The FTIR study showed that there was no chemical interaction between the drug and polymer thus it governs the compatibility. Furthermore, the drug was stable in all the formulation. The experiment result indicated that polymer combined with surfactant, were evaluated as stabilizer to control the particle size and enhance the stability of drug nanoparticles. **Conclusion:** CBZ NCs beads showed a significant improvement in the dissolution rate. This method is quite better for easy scale up and transformation in to the desire dosage form with minimum time.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A51

Formulation and Evaluation of Colloid Based Emulgel for Topical Drug Delivery

Mayuri Bhosale, Smita More, Shrutika Karpe, Gauri Khot
PES Modern College of Pharmacy (For Ladies), Moshi

Present work was carried out with the goal of formulating gellified emulsion of colloid having antibacterial agent. Transdermal route of administration of drug is effective route of administration. Purpose of present investigation was to develop colloidal emulgel, which have emerged as a promising drug delivery system for the delivery of hydrophobic drugs. Formulation deals with use of Carbapol 940, sodium CMC and HPMC were used as a gelling agent. Colloidal sol showed good antibacterial property which when used in the formulation can provide better activity on skin. Olive oil and Oleic acid were used as penetration enhancers. The emulsion was prepared and it was incorporated in gel base. The formulations were evaluated for physical properties, pH, drug content and rheological properties, spreading coefficient studies, skin irritation studies, anti-bacterial activity. Formulations showed comparable increase in antibacterial activity as compared to pure drug having antibacterial property. Colloidal emulgels has expanded both in cosmetics and in pharmaceutical preparation. So, it can be concluded that topical emulgel of colloids have shown better anti-bacterial activity. This concept will also be helpful in formulating many other formulations for oral and topical routes.



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A53

Review on Development of Nanosponges

Sayali shrikant Narwadkar, Sandhya Sunil Potdar
PES Modern college of pharmacy, Moshi (for ladies), Moshi, Pune.

Nanosponges are the recent advances in nanotechnology. Nanosponges are the tiny sponges with a size of about a virus with an average diameter below 1 μm . NSs are prepared with melt method, solvent diffusion method, solvent method, ultrasound assisted method and sonication. NSs are the target site specific drug delivery which has less side effects. It improves solubility of poorly soluble drug, posses higher drug loading capacities compared to other nanocarriers. Nanosponges have particle size less than 500 nm, melting pointless than 250 C of drug, pH varies from 1 to 11 for Nanosponges. Nanosponges has wide applications such as topical delivery of drug, for cancer drug therapy, for protein delivery and also as chemical sensors.



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A54

A review on Pulsatile drug delivery system

Snehal Sanjay Sutar, Pratiksha Kadam, Achala Mulay

PES Modern college of pharmacy Moshi (for ladies), Moshi, Pune.

Traditionally drug release pattern is either immediate or extended type. The PDDS is the important drug delivery system where disease having predictable cyclic rhythm, ex-arthritis ,peptic ulcer, hypertension , asthma, cardiovascular disease, Diabetes mellitus .The main advantages of PDDS is that release of drug at right time, at right site of action ,at right amount. There are different methodologies for PDDS is single unit system and multiple unit system – in that included capsular system,pulsatile delivery by osmosis, pulsatile delivery by erosion of membrane, delivery by rupture of membrane. This system is develop to deliver drug according chronopharmacological behavior of disease. The system is beneficial to drug having high first pass effect or having high risk of toxicity or side effects. These system is also helpful for patient to improve affectivity or reduce dosing frequency.



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A56

**Design, Development and in-vitro Characterization
of Tooth Powder by using Cow Dung**

Poonam Taru., Priyanka Mule., Shivani Zarkar., Aparna Patil
PES Modern College of Pharmacy (For Ladies), Moshi Pune

The cow dung is considered very sacred in Indian philosophy, it says that Gomay Vaste Laxmi i.e. Goddess of Wealth resides in cow dung. Cow dung is basically the rejects of herbivorous matter. The chemical based Tooth powders available in the market contain some harmful and poisonous chemicals, which are likely to cause threat to human health. An attempt has been made to prepare a 100% herbal product, based on traditional practices and rural wisdom. It is effective and cheaper than presently chemical based Tooth powder. Since it is totally herbal, it has no side effects on human health. The main aim of this product development is to provide employment to the rural youth and economic gains to farmers. This study deals with selection and Characterization of ingredients and evaluation of antimicrobial activity of Tooth Powder. Studies conducted about the comparison with the existing Marketed tooth powder. Cow dung tooth powder is very useful in case of tooth decay, sensitiveness for hot and cold water, swelling of gums, mouth pain, ulcers over tongue, sore throat, deterioration of taste, tonsillitis, hoarse throat, it is very beneficial for bad smell of mouth, pyorrhea.



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A58

**Reformulation: Strengthen the foundation
for formulation and development**

Nikita Jalsakare,* Hiral Girase, Rutuja Yadav, Ankita Chaudhari, Om Bagade
PES Modern College of Pharmacy (For Ladies), Moshi, Pune- 412105

Abstract: The preformulation is the first step in the rational development of a dosage form of a drug substance alone and when combined with excipients. **Objective:** The main objective of this study to generate useful information to the formulator to design an optimum drug delivery system. Preformulation studies strengthen the scientific foundation of the guidance, provide regulatory relief and conserve resources in the drug development and evaluation process, improve public safety standards, enhance product quality, facilitate the implementation of new technologies, and facilitate policy development and regulatory decision making. **Conclusion:** Preformulation studies give directions for development of formulation in choice of drug form, excipients, composition, physical structure, helps in adjustment of pharmacokinetic and biopharmaceutical properties, support for process development of drug substance support and useful data for development of analytical methods.





A59

**Formulation, development and statistical optimization
of Losartan Potassium loaded Microsponges
drug delivery system**

Saroja Suryase*, Ashwini R. Mali, Ankita K. Chaudhari, Om M. Bagade
PES Modern College of Pharmacy (For Ladies), Moshi, Pune 412 105

Introduction: Microsponge are tiny, spherical, uniform and microporous polymeric beads. The size of microparticles are in the range of 5-300 μ . The purpose of this work was to develop a prolonged microsponge drug delivery system containing Losartan potassium.

Methods: Losartan potassium-loaded, Eudragit-based microsponges were prepared using a quasi-emulsion solvent diffusion method by factorial design. The compatibility of the drug with formulation components was established by differential scanning calorimetry (DSC) and Fourier transform infra-red (FTIR). Process parameter like calibration curve that can be used to check linearity and wavelength of drug. **Results:** The results of compatibility tests showed that no chemical interaction or changes takes place during preparation of the formulations. Furthermore, the drug was stable in all the formulations. In increase in drug: polymer ratio (X1) resulted in a reduction in the release rate of the drug from the microsponges. Entrapment efficiency was found to be around 90-95%. Wherein SEM image showed that the particles are found to be around spherical in shape. **Conclusion:** This study presents an approach for the modification of microsponges for prolonged drug release of losartan potassium. The compressibility of microsponges can be applied to achieve effective local action since microsponges may be taken up by macrophages present in colon.



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A60

Consequences of Errors In Validation

Miss Rohini Pujari, Miss Nikita Bhilare, Miss Aparna Patil

PES's Modern College of Pharmacy (For Ladies) Moshi, Pune.

Validation is independent procedure that is used for checking that a product, service, or system meets requirements and specifications and that fulfills its required purpose. Many times we have studied and seen what validation exactly is and how necessary it is to maintain and regulate the quality of required product ; but here via case studies we are discussing about the consequences which affects the health of the society if validation goes wrong. Here we have studied the cases, out of which one is of MiniMed 600 Series insulin pump [Model 630G (MMT-1715) and Model 670G (MMT-1780)] which recalled due to a missing or broken retainer ring which helps to lock the insulin cartridge into place in the pump's reservoir compartment. If the cartridge is not locked firmly into place, under or over delivery of insulin may occur, this could result in hypoglycemia or hyperglycemia. Severe hyperglycemia can result in a loss of consciousness, seizure, and death. In this way we have studied the cases which clearly give us an idea about worst effects of errors in validation.



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

A61

**Study of different approaches of tablet coating
and its impact in development stage**

Vaishnavi Chinchansure*, Shivani Kumbhare, Rutuja Walunj,
Ankita Chaudhari, Om Bagade

PES Modern College of Pharmacy (For Ladies), Moshi, Pune 412 105

Introduction: Tablet coating is the key step involved in the manufacturing of tablets having controlled release, delayed release profiles. The tablet coating have number of advantages like masking odor, taste, color of the drug, providing physical and chemical protection to drug, Protecting drug from the gastric environment. Solid dosage forms are coated for a number of reasons the most important of which is controlling the release profiles and bioavailability of the active ingredient. **Objective:** To study the different types of coating approaches for different types of tablets and focus on recent trends in tablet coating focuses on overcoming disadvantage of solvent based coating. **Methodology:** Three primary components of tablet coating are tablet properties, coating process and coating composition. Tablets are usually coated in horizontal rotating pan with coating solution is either directly poured or sprayed on to them. The amount of coating on the surface of a tablet is critical to the effectiveness of the oral dosage form. Tablets are usually coated in horizontal rotating pans with the coating sprayed onto the free surface of the tablet bed. Tablets must have a coating mass that lies within a prescribed range with very little inter-and intra-tablet coating variability. **Conclusion:** This study concerns with the different coating process, equipments involved, coated tablets evaluation and specialized coating techniques.

61



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

A63

**Development of gastro retentive controlled release
floating tablet of ranolazine hydrochloride
prepared by wet granulation**

Mukta A. kulkarni, Puja S. Wakase, Sanghmaltra B. Ghule, Nilesh S. Kulkarni
PES, Modern college of Pharmacy (For Ladies), Moshi, Pune 412105.

Ranolazine HCL is an anti-anginal drug used to treat chronic stable angina in adults. The main disadvantage with conventional dosage form for ranolazine HCL is the solubility. Solubility is comparatively high at the low pH value i.e. below 4.5 and drug shows variable hepatic first pass metabolism following oral administration, with systemic bio-availability of 76%. In the present study gastroretentive floating tablets were prepared by using polymers like HPMC K4M, HPMC K100M, Carbopol 940P, Xanthan Gum, Guar Gum and combination of polymer. Gas generating agent used is Sodium bicarbonate alone. The tablets were prepared by wet granulation method using water as binder. Prepared tablets were evaluated for content uniformity, friability, floating lag time, swelling study and *In-Vitro* drug release in acidic buffer pH 1.2. All the formulations showed floating lag time less than 15 sec and total floating time upto 12 hr. The tablets formulated by combination of Xanthan gum: HPMC K4M, Xanthan Gum: HPMC K100M and HPMC K4M: Carbopol 940 P have showed floating sustain drug release for Ranolazine HCL and drug release from the tablets were found to be zero-order kinetics.



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Solubility Enhancement By Solid Dispersion

Shubhada Shinde
PES, Modern college of Pharmacy (For Ladies)

Solubility or dissolution enhancement technique remain most vibrant field for researchers which includes core concept of any physical or chemical science including biopharmaceutical and pharmacokinetic consideration in therapy of any medicine. For enhancement of solubility and dissolution following methods are used such as. Solid dispersion, pH adjustment, salt formation, cosolvents, polymeric alteration, micronization, particle size reduction, evaporation. These techniques are used for increase the solubility and dissolution. This review is focussed on solubility enhancement through preparation at solid dispersion by using technique as. Fusion method, spray drying, lyophilization, hot melt extrusion. Most of the drugs coming from high throughput synthetic processes, poor solubility, which is major problem for therapeutic success. By improving solubility leads to enhanced



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Research conferences attended by students

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Research conferences attended by students

Sr. No.	Name of student	Title of event	Date	Place
2022-23				
1.	Ms.Puturkar Shraddha K.	Two Days International Conference on "Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science"	23/09/2022 -24/09/2022	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
2.	Ms.Shinde Ankita M.	Two Days International Conference on "Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science"	23/09/2022 -24/09/2022	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
3.	Ms.Madane Shivanjali S.	Two Days International Conference on "Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science"	23/09/2022 -24/09/2022	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
4.	Ms.Markad Karishma U.	Two Days International Conference on "Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science"	23/09/2022 -24/09/2022	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
5.	Ms.Borchate Dhanashri A.	Two Days International Conference on "Recent	23/09/2022 -24/09/2022	Gokhale Education Society's Sir Dr:



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

		Innovations: A Holistic and Integrated Approach to Pharmaceutical science”		M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
6.	Ms.Thorat Priyanka R.	Two Days International Conference on “Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science”	23/09/2022 -24/09/2022	Gokhale Education Society’s Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
7.	Ms.Autade Neha B.	Two Days International Conference on “Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science”	23/09/2022 -24/09/2022	Gokhale Education Society’s Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
8.	Ms.Jankar Nilam J.	Two Days International Conference on “Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science”	23/09/2022 -24/09/2022	Gokhale Education Society’s Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
9.	Ms.Gaikwad Mayuri K.	Two Days International Conference on “Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science”	23/09/2022 -24/09/2022	Gokhale Education Society’s Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

10.	Ms.Deshmukh Maithili P.	Two Days International Conference on "Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science"	23/09/2022 -24/09/2022	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
11.	Ms.Bhosale Kaveri S.	Two Days International Conference on "Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science"	23/09/2022 -24/09/2022	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
12.	Ms.Burad Shruti H.	Two Days International Conference on "Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science"	23/09/2022 -24/09/2022	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
13.	Ms.Bhangare Rutuja G.	Two Days International Conference on "Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science"	23/09/2022 -24/09/2022	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
14.	Ms.Bedjawalge Rushali	Two Days International Conference on "Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical science"	23/09/2022 -24/09/2022	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and



[to Index](#)

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

				Research, Nashik - 422005
15.	Ms.Borchate Dhanashri	Lean Six Sigma Yellow Belt	18/10/2022	--
16.	Ms.Gaikwad Mayuri K.	Lean Six Sigma Yellow Belt	18/10/2022	--
17.	Ms.Thorat Priyanka R.	Scope and Development in Pharmaceutical Industry	12/11/2022	Vijaya College of Pharmacy
18.	Ms.Borchate Dhanashri	Recent Advances in Drug Discovery & Healthcare Reforms	28/12/2022	Nagpur College Of Pharmacy
19.	Ms.Gaikwad Mayuri K.	Recent Advances in Drug Discovery & Healthcare Reforms	28/12/2022	Nagpur College Of Pharmacy
20.	Ms.Madane Shivanjali S.	1 st International Conference on the theme " Drug Discovery and Development for Infectious Diseases: Cutting –edge Research and Challenges"	3/03/2023 - 4/03/2023	Eminent College of Pharmaceutical Technology, Kolkata
21.	Ms.Markad Karishma U.	1 st International Conference on the theme " Drug Discovery and Development for Infectious Diseases: Cutting –edge Research and Challenges"	3/03/2023 - 4/03/2023	Eminent College of Pharmaceutical Technology, Kolkata
22.	Ms.Komal Kawale	1 st International Conference on the theme " Drug Discovery and Development for Infectious Diseases: Cutting –edge Research and Challenges"	3/03/2023 - 4/03/2023	Eminent College of Pharmaceutical Technology, Kolkata



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

23.	Ms.Musale Shravani R.	Two Days National Conference " Innovations and Opportunites in Drug Discovery & Delivery Approaches"	03/02/2023 - 4/02/2023	Genba Sopanrao Moze College of Pharmacy
24.	Ms.Pansare Snehal B.	Two Days National Conference " Innovations and Opportunites in Drug Discovery & Delivery Approaches"	03/02/2023 - 4/02/2023	Genba Sopanrao Moze College of Pharmacy
25.	Ms.Bedjawalge Rushali	International Conference on New Vistas of Herbal And Natural Products : Indian Context	02/04/2023 -03/04/2023	Sharadchandra Pawar college of Pharmacy
26.	Ms.Jankar Nilam	Recent Trends and Challenges in Drug Discovery	03/04/2023	BITS Pilani, Pilani Campus
27.	Ms.Gaikwad Mayuri	Recent Trends and Challenges in Drug Discovery	03/04/2023	BITS Pilani, Pilani Campus
28.	Ms.Borchate Dhanashri	Recent Trends and Challenges in drug Discovery	03/03/2023 -04/03/2023	BITS, Pilani Campus
2021-22				
29.	Ms. Godse Sonam	2 days Cloud based Hands on Workshop on "Computational Structure based Screening and Explicit Molecular Dynamics"	10/08/2021 -11/08/2021	Niper Guwahati and Schrodinger Inc.
30.	Ms. Wagh Anupa D.	Two Days online National conference on "PharmaQbD: Product Development Perspective	3/09/2021 - 04/09/2021	Dadasaheb Balpande College of Pharmacy



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

31.	Ms. Sutar Priyanka S.	Two Days online National conference on "PharmaQbD: Product Development Perspective	3/09/2021 - 04/09/2021	Dadasaheb Balpande College of Pharmacy Nagpur
32.	Ms. Neve Tejasvini D.	Three Days International e-Conference on "Pharmaceutical Research and Innovation to Tackle Future Health-Care Arena"	27/09/2021 -29/09/2021	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
33.	Ms Chate Shraddha R.	Three Days International e-Conference on "Pharmaceutical Research and Innovation to Tackle Future Health-Care Arena"	27/09/2021 -29/09/2021	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
34.	Ms.Lajurkar Gauri P.	Three Days International e-Conference on "Pharmaceutical Research and Innovation to Tackle Future Health-Care Arena"	27/09/2021 -29/09/2021	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
35.	Ms.Shinde Priyanka S.	Three Days International e-Conference on "Pharmaceutical Research and Innovation to Tackle Future Health-Care Arena"	27/09/2021 -29/09/2021	Gokhale Education Society's Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
36.	Ms.Prabhune	Three Days International e-		Gokhale Education



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

	Pooja V.	Conference on “ Pharmaceutical Research and Innovation to Tackle Future Health-Care Arena”	-29/09/2021	Society’s Sir Dr: M.S. Gosavi College Of Pharmaceutical Education and Research, Nashik - 422005
37.	Ms.Patil Yugandhara	E- Conference on “Recents Advances & Trends in Novel Drug Delivery Systems “	24/09/2021 -25/09/2021	The Maharaja Sayajirao University of Baroda
38.	Ms.Godase Sonam	Recent innovation and modern advancement	29/05/2021- 30/05/2021	SCPM College of Pharmacy
39.	Ms.Lajurkar Gauri N.	E- Conference on “Recents Advances & Trends in Novel Drug Delivery Systems “	24/09/2021 -25/09/2021	The Maharaja Sayajirao University of Baroda
2020-2021				
40.	Ms. Kagde Aditee D.	Changing Waves in Healthcare Research : Focus on Post- Covid Era”	05/04/2021 - 6/04/2021	School of Pharmaceutical Technology, Adamas University
2019-2020				
41.	Survase Saroja	Intervention of nanotechnology in targeted drug delivery system	13/01/2020- 14/01/2020	Sinhgad College of Pharmacy, Pune
42.	Chaudhari Ankita	Intervention of nanotechnology in targeted drug delivery system	13/01/2020- 14/01/2020	Sinhgad College of Pharmacy, Pune
43.	Mali Ashwini	Intervention of nanotechnology in targeted drug delivery system	13/01/2020- 14/01/2020	Sinhgad College of Pharmacy, Pune
44.	Priyanka Handargule	Advances in pharmaceutical research	11/05/2020- 13/05/2020	Sinhgad Institute of Pharmacy, Pune
2018-2019				

Criterion 3 - Research, Innovations and Extension



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



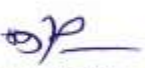
Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

45.	Ms. Shitole Megha Vijay	APP 14 th Indo African conference	08/09/2018	Shirur, Pune
46.	Ms. Shitole Megha Vijay	Research on Motivational Source for better tomorrow in making	26/09/2018 -27/09/2018	PARAS, Kashti
47.	Lokhande Jyoti	Emerging trends in drug discovery	02/11/2018	Poona College of Pharmacy, Pune
48.	Patil Priyanka	Emerging trends in drug discovery	02/11/2018	Poona College of Pharmacy, Pune
49.	Wakse Pooja	Emerging trends in drug discovery	02/11/2018	Poona College of Pharmacy, Pune
50.	Sawant Tejashri	Emerging trends in drug discovery	02/11/2018	Poona College of Pharmacy, Pune
51.	Kulkarni Mukta	Emerging trends in drug discovery	02/11/2018	Poona College of Pharmacy, Pune
52.	Mali Ashwini	Challenges in targeted drug delivery system	11/01/2019	Allard College of Pharmacy, Pune
53.	Kulkarni Mukta	Challenges in targeted drug delivery system	11/01/2019	Alard College of Pharmacy, Pune
54.	Rathod Jyoti	Challenges in targeted drug delivery system	11/01/2019	Alard College of Pharmacy, Pune
55.	Wakse Pooja	Challenges in targeted drug delivery system	11/01/2019	Alard College of Pharmacy, Pune


PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist Pune-412 105.



Criterion 3 - Research, Innovations and Extension



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





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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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


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





Gokhale Education Society's
Sir Dr. M. S. Gosavi College of Pharmaceutical
Education and Research, Nashik-422005


CERTIFICATE OF PARTICIPATION


This is to certify that
Paturkar Shradha kiran of
P.E.S Modern college of pharmacy ladies, Moshi
participated in Two Days International Conference on
"Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical Science"
held on 23rd to 24th September 2022.


Mrs. S. P. Shelke
Co-ordinator


Dr. S. S. Harak
Conference Secretary


Dr. P. L. Pingale
Co-convenor


Dr. S. V. Amrutkar
Principal & Convener



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



**Gokhale Education Society's
Sir Dr. M. S. Gosavi College of Pharmaceutical
Education and Research, Nashik-422005**



CERTIFICATE OF PARTICIPATION

This is to certify that
Shinde Ankita Mohan of
Modern College Of Pharmacy (for Ladies) Moshi ,Pune
participated in Two Days International Conference on
"Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical Science"
held on 23rd to 24th September 2022.



Mrs. S. P. Shelke
Co-ordinator

Dr. S. S. Harak
Conference Secretary

Dr. P. L. Pingale
Co-convener

Dr. S. V. Amrutkar
Principal & Convener

Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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



Criterion 3 - Research, Innovations and Extension



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

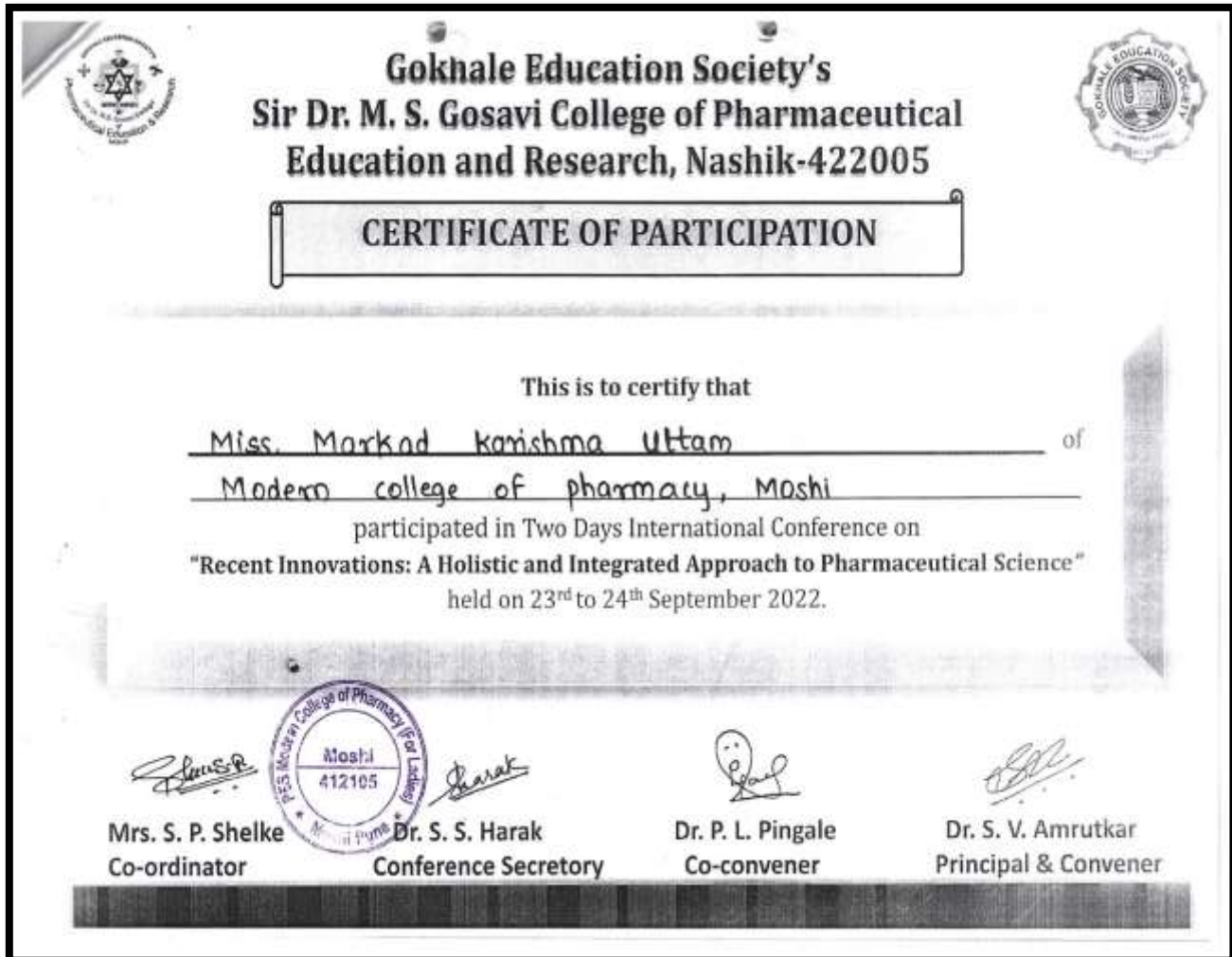


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

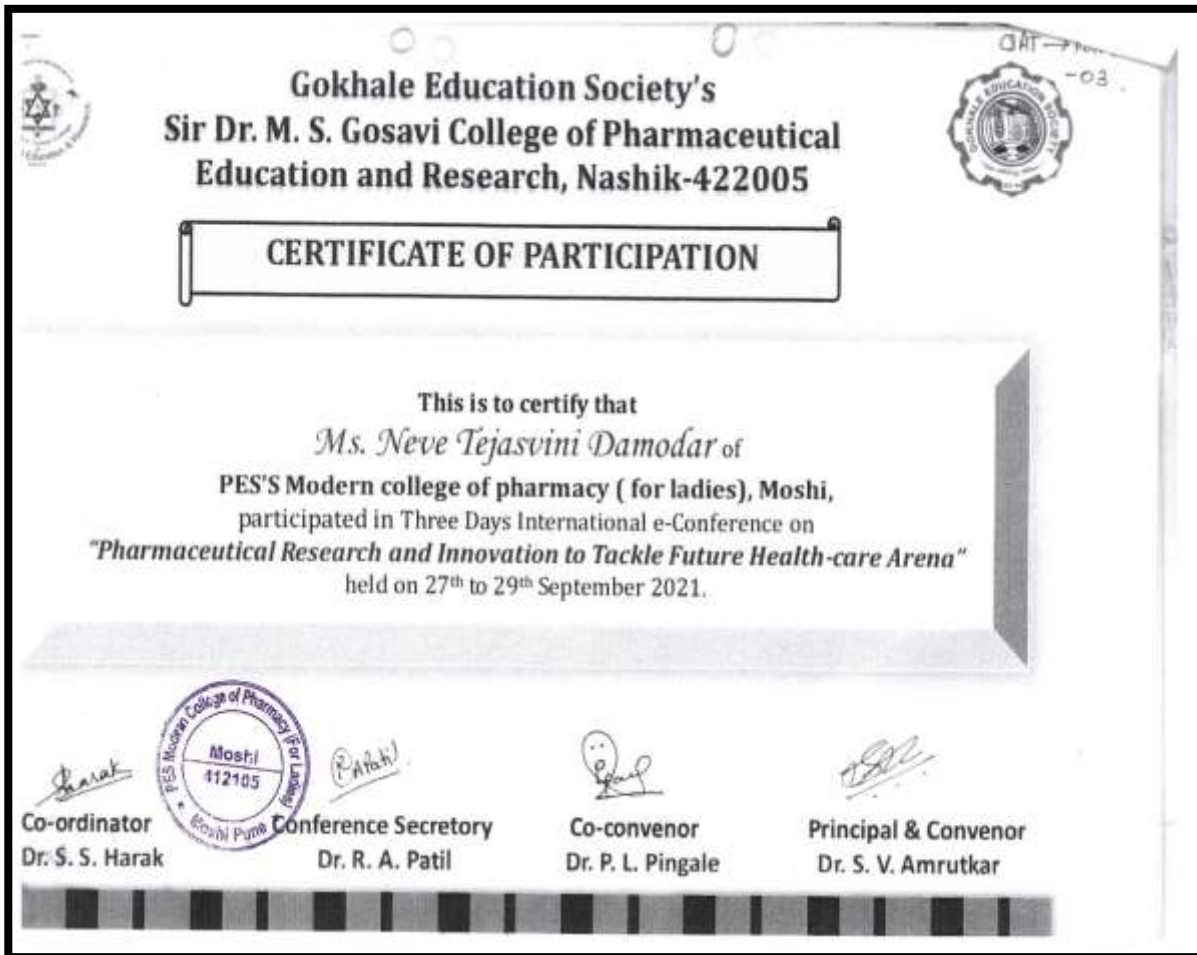


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

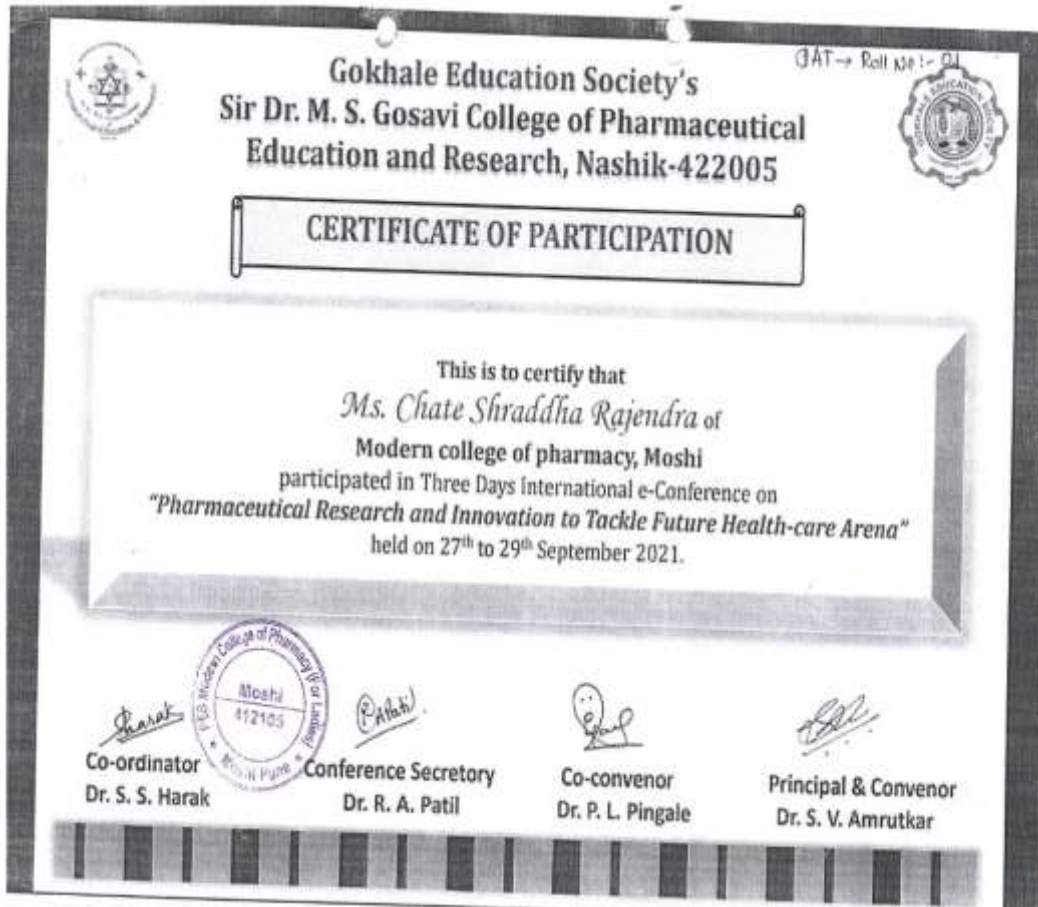


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Gokhal Education Society's
Sir Dr. M. S. Gosavi College of Pharmaceutical
Education and Research, Nashik-422005



CERTIFICATE OF PARTICIPATION

This is to certify that
Ms. Lajurkar gauri pandurang of
PES Modern College Of Pharmacy for Ladies, Pune.
participated in Three Days International e-Conference on
"Pharmaceutical Research and Innovation to Tackle Future Health-care Arena"
held on 27th to 29th September 2021.


Co-ordinator
Dr. S. S. Harak




Conference Secretary
Dr. R. A. Patil


Co-convenor
Dr. P. L. Pingale


Principal & Convenor
Dr. S. V. Amrutkar

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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





Gokul Education Society's
Sir Dr. M. S. Gosavi College of Pharmaceutical
Education and Research, Nashik-422005





CERTIFICATE OF PARTICIPATION

This is to certify that
Ms. Shinde Priyanka Suresh of
PES'S Modern College Of Pharmacy, Moshi.
participated in Three Days International e-Conference on
"Pharmaceutical Research and Innovation to Tackle Future Health-care Arena"
held on 27th to 29th September 2021.


Co-ordinator
Dr. S. S. Harak


Conference Secretary
Dr. R. A. Patil


Co-convenor
Dr. P. L. Pingale


Principal & Convenor
Dr. S. V. Amrutkar

Criterion 3 - Research, Innovations and Extension



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

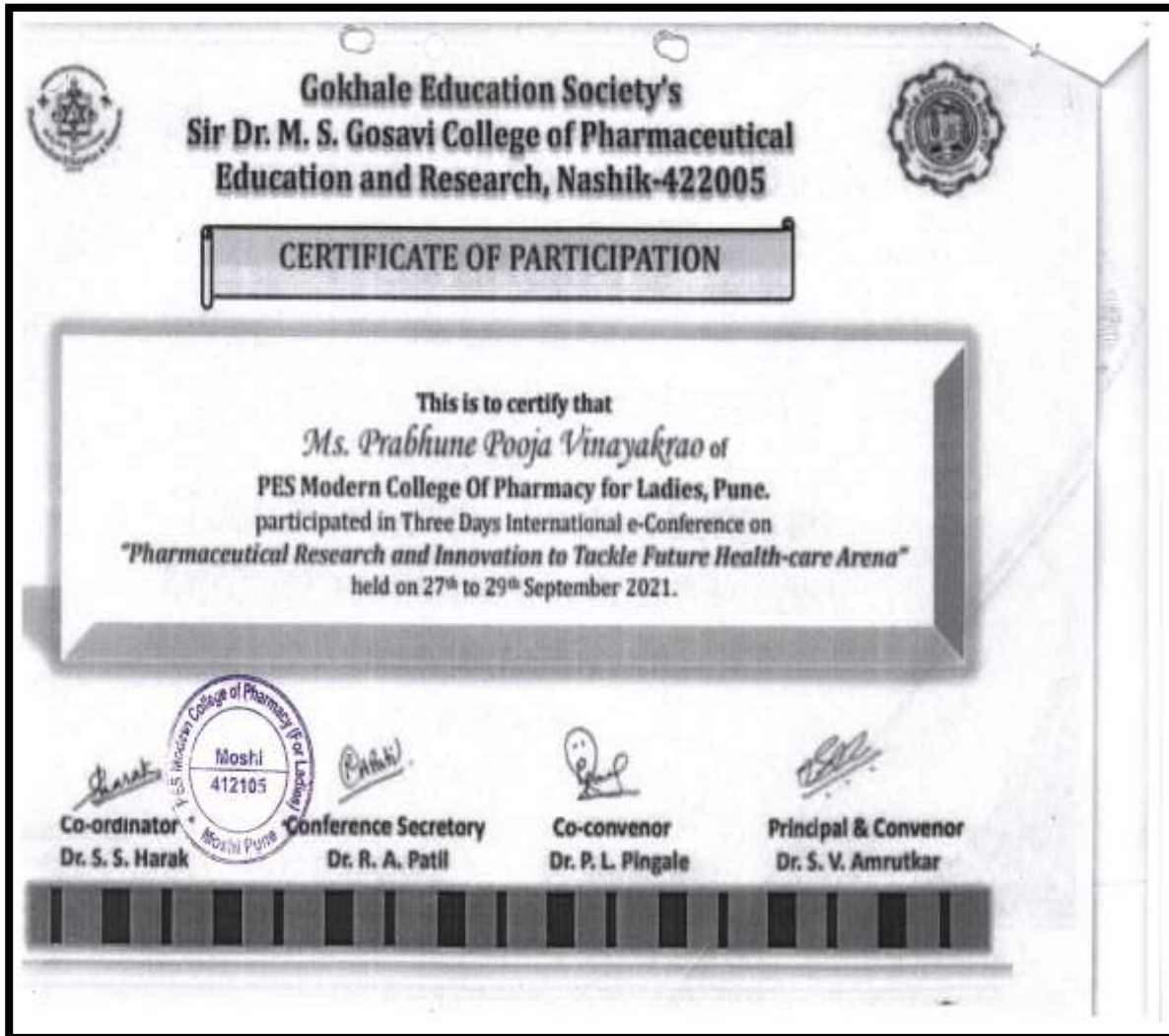


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

Gokha Education Society's
Sir Dr. M. S. Gosavi College of Pharmaceutical
Education and Research, Nashik-422005

CERTIFICATE OF PARTICIPATION

This is to certify that
Borchate Dhanashri Ashok of
PES Modern college of pharmacy
participated in Two Days International Conference on
"Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical Science"
held on 23rd to 24th September 2022.

Mrs. S. P. Shelke
Co-ordinator

Dr. S. S. Harak
Conference Secretary

Dr. P. L. Pingale
Co-convener

Dr. S. V. Amrutkar
Principal & Convener

Criterion 3 - Research, Innovations and Extension



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

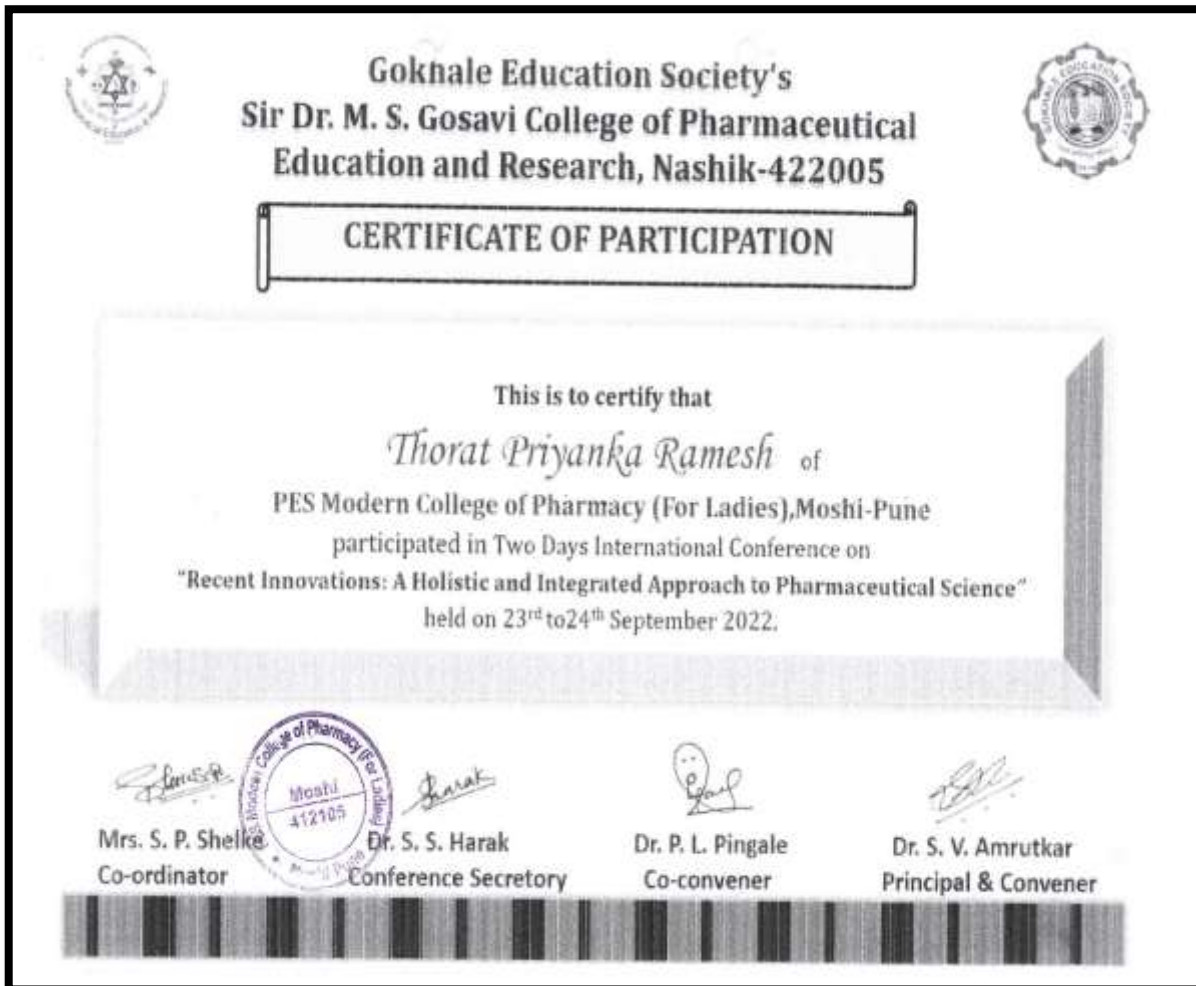


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

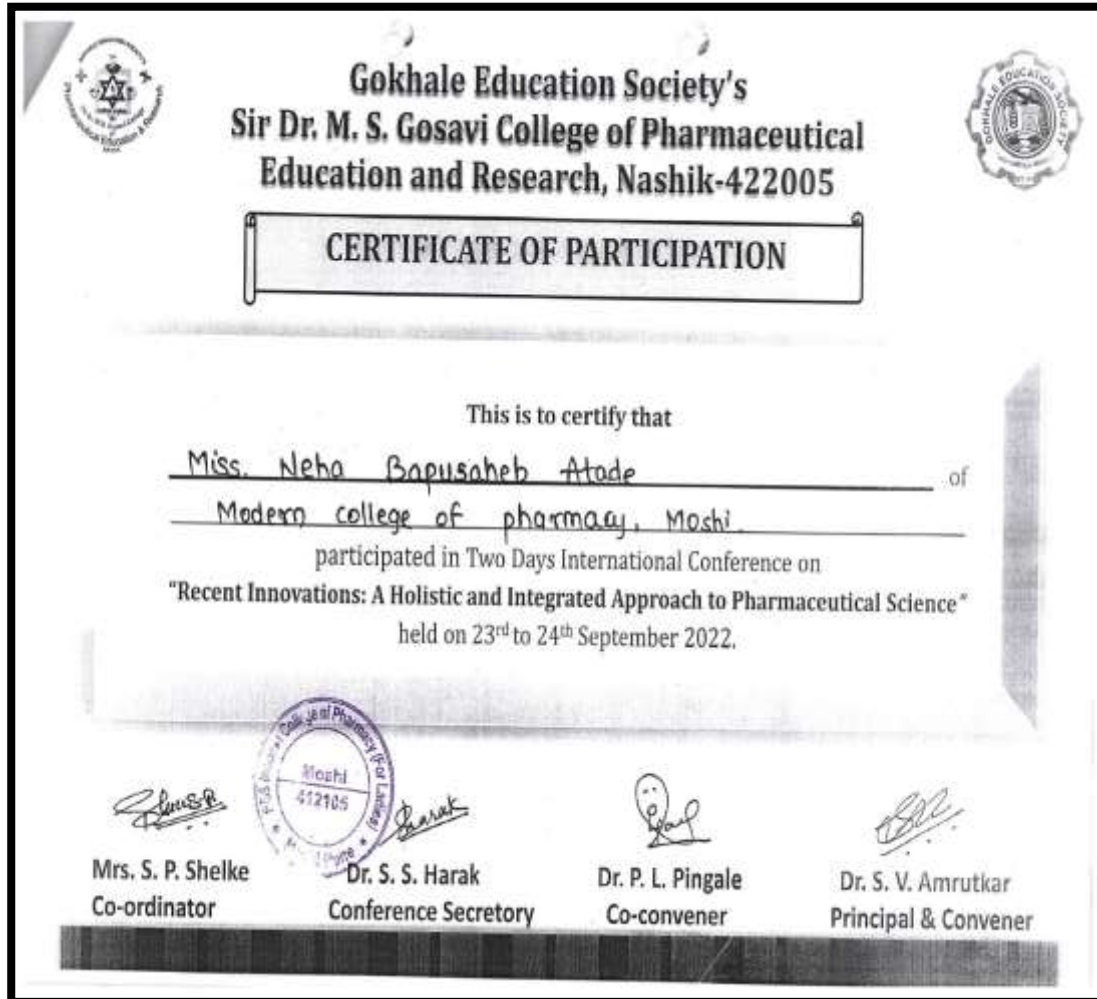
Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

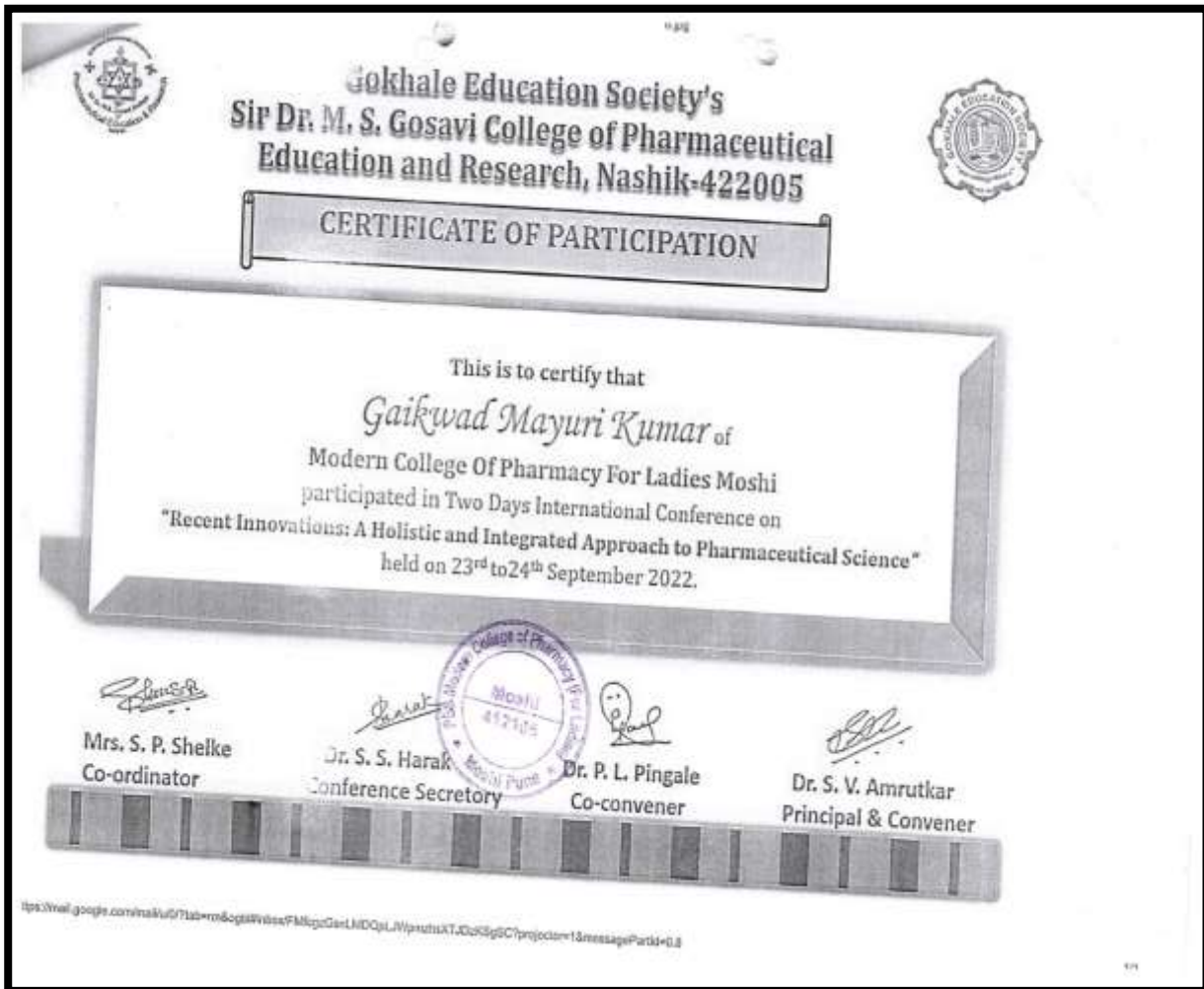


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

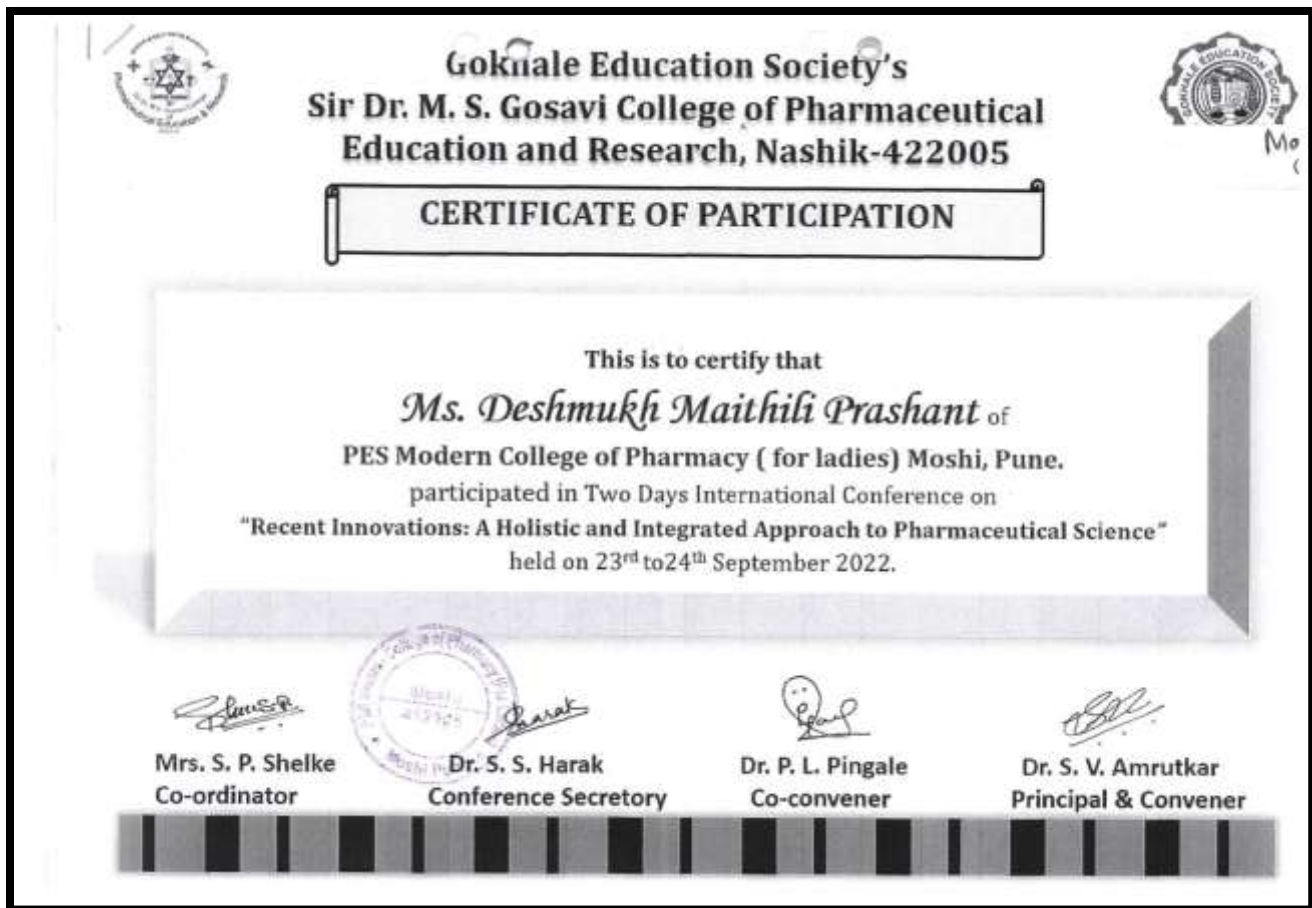


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

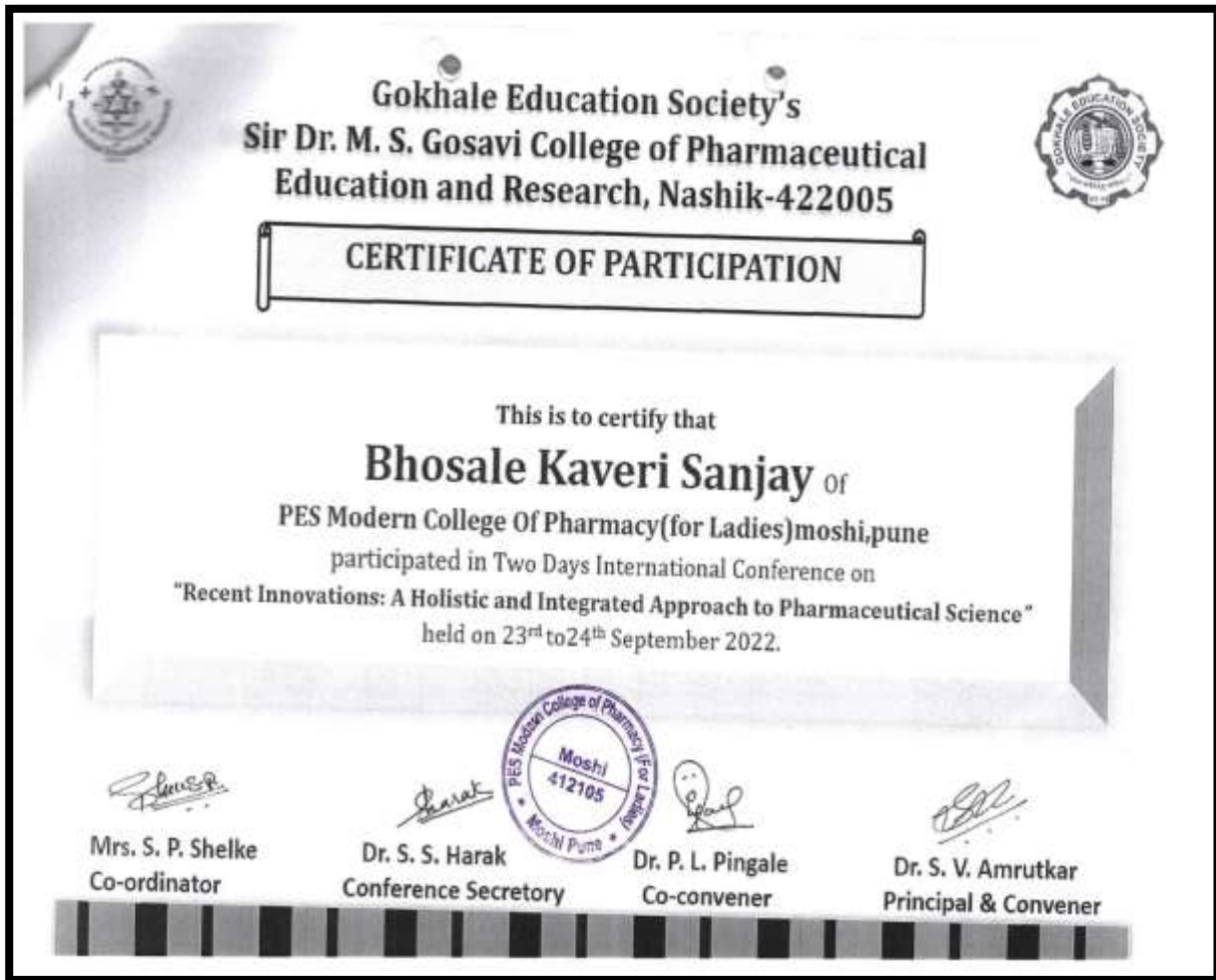


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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





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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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








Gokhale Education Society's Sir Dr. M. S. Gosavi College of Pharmaceutical Education and Research, Nashik-422005

CERTIFICATE OF PARTICIPATION

This is to certify that

Miss. Shanti. H. Burad of
Modern College of Pharmacy, Nashik.
participated in Two Days International Conference on
"Recent Innovations: A Holistic and Integrated Approach to Pharmaceutical Science"
held on 23rd to 24th September 2022.

 Mrs. S. P. Shelke Co-ordinator	 Dr. S. S. Harak Conference Secretary	 Dr. P. L. Pingale Co-convenor	 Dr. S. V. Amrutkar Principal & Convener
--	--	---	---



Criterion 3 - Research, Innovations and Extension



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

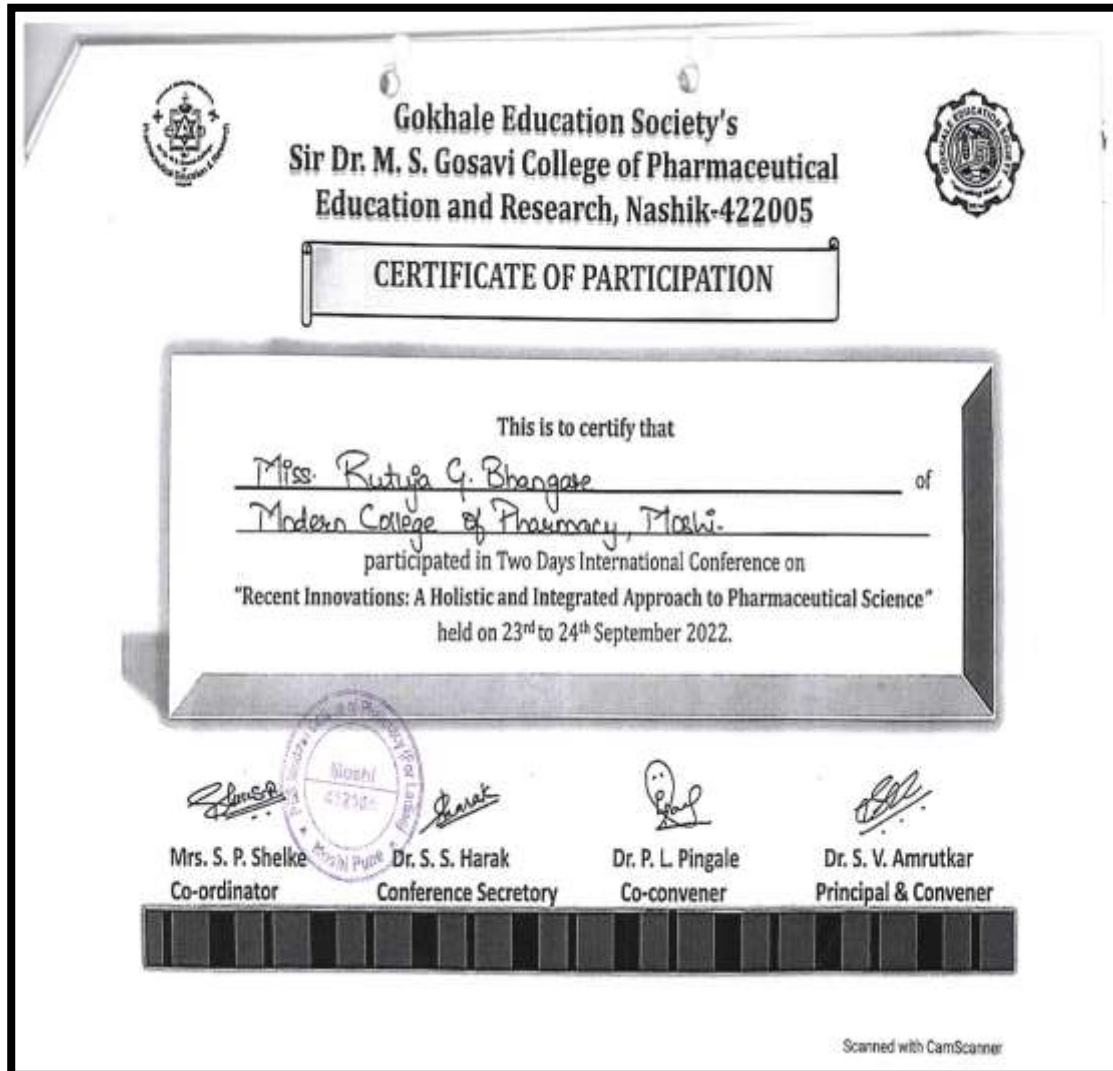


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

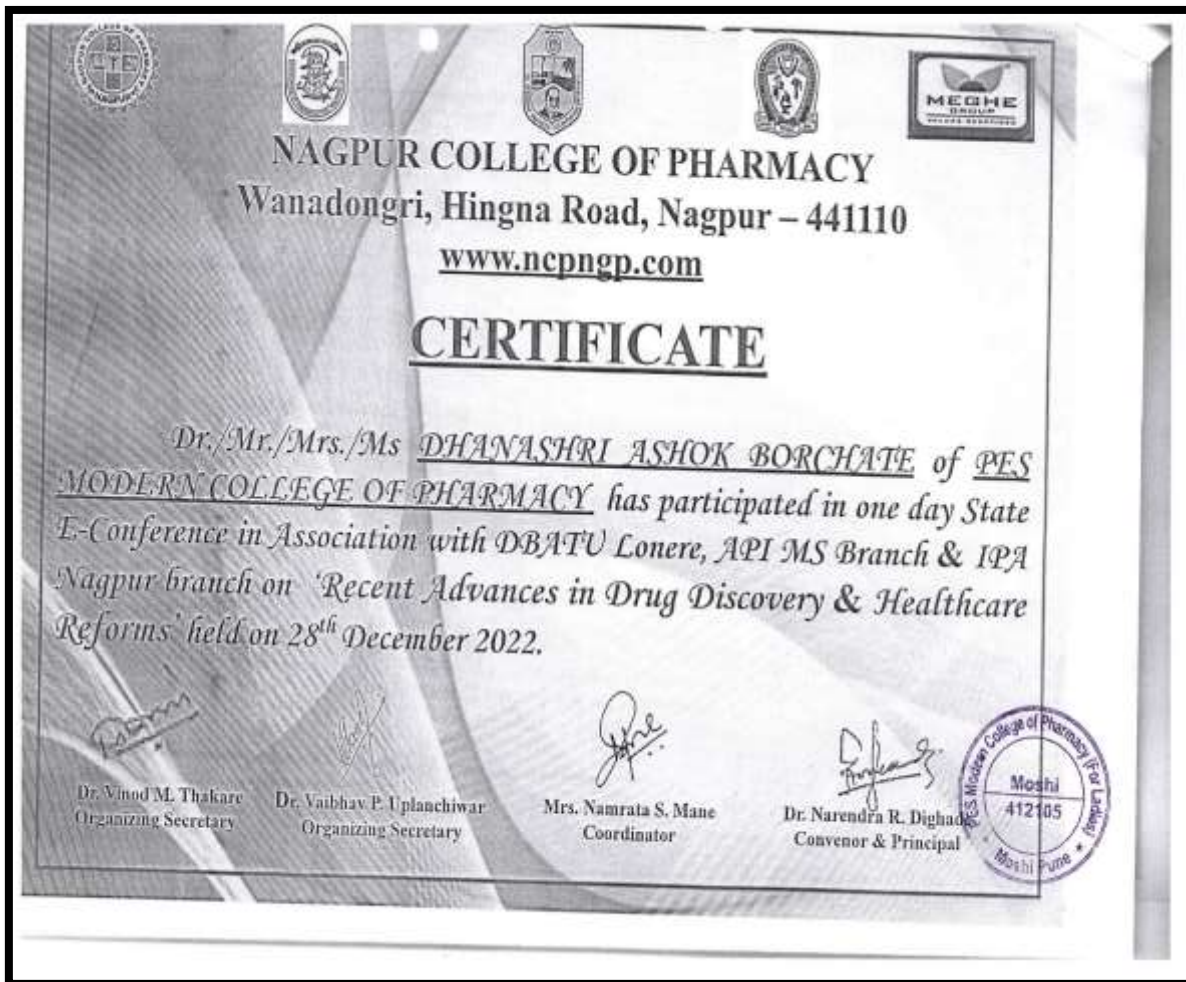


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

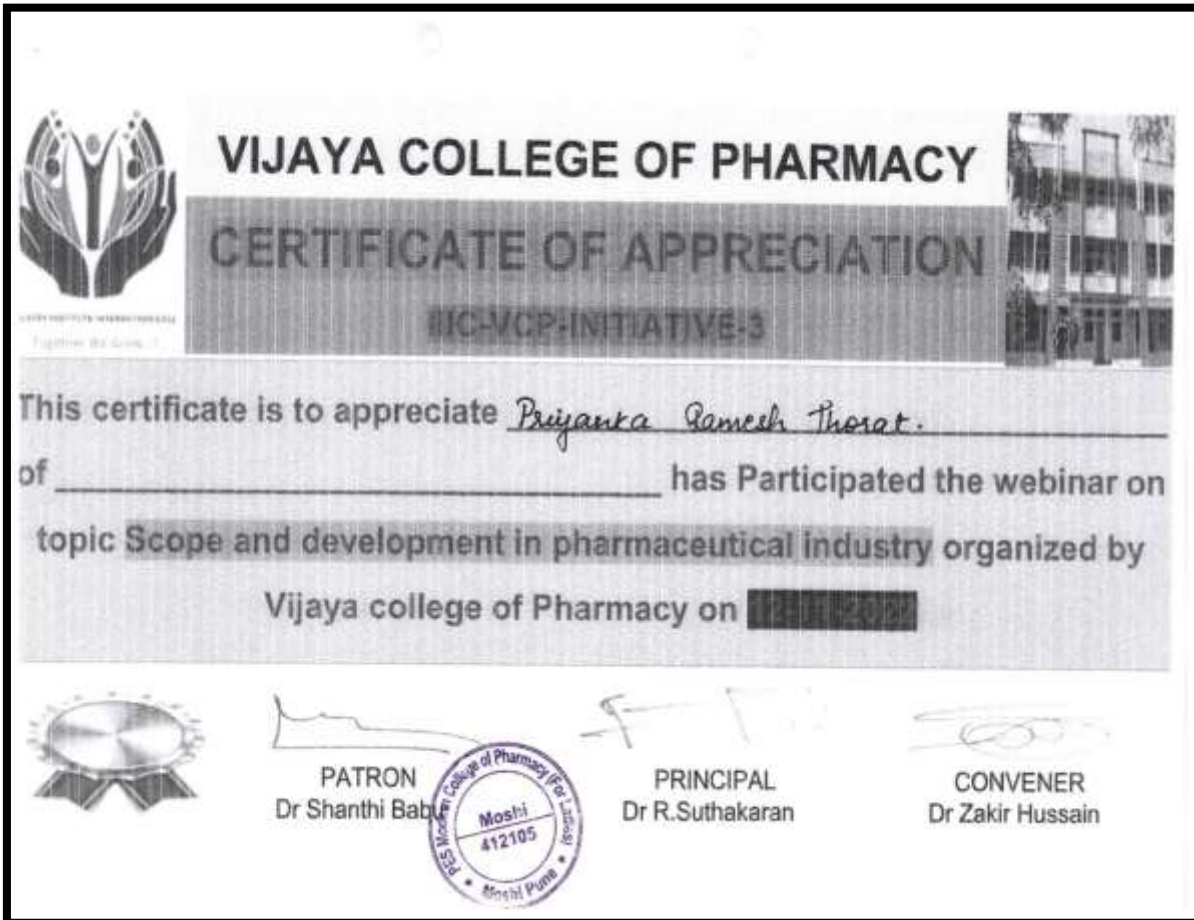


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY


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


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





VIJAYA COLLEGE OF PHARMACY
CERTIFICATE OF APPRECIATION
IIC-VCP-INITIATIVE-3

This certificate is to appreciate Priyanka Ramesh Thorat.
of _____ has Participated the webinar on
topic **Scope and development in pharmaceutical industry** organized by
Vijaya college of Pharmacy on **14/11/2021**

 PATRON
Dr Shanthy Babu

 PRINCIPAL
Dr R.Suthakaran

 CONVENER
Dr Zakir Hussain



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

The Durga Education Society's
DADASAHEB BALPANDE COLLEGE OF PHARMACY
Near Swami Samarth Dham Mandir, Besa, Nagpur - 37 (MS) India
(Permanently Affiliated to RTM Nagpur University, Nagpur)
NBA, NAAC Accredited,
Approved by AICTE, PCI, Recognized under 2(f) and 12 (B) of UGC Act

Certificate

This is to certify that
Anupa Dnyaneshwar Wagh
has participated as a delegate in
AICTE sponsored Two Days Online National Conference on
"Pharma QbD: Product Development Perspective"
organized by Dadasaheb Balpande College of Pharmacy, Besa,
Nagpur on 3rd & 4th September 2021.
His/Her participation is immensely appreciated.

Dr. Nilesh Mahajan
Dr. Parashottam Gangane
Coordinators

Dr. Ujwal Mahajan
Convener

Logos: NBA, NAAC, AICTE, PCI, CII (Platinum Bank Institute), nirf 2019, ISO 9001:2015, Green Audit Certified.

Made for free with Certify'em

Stamp: PES Modern College of Pharmacy (For Ladies) - Nashi - 412105 - Nashi, Pune

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

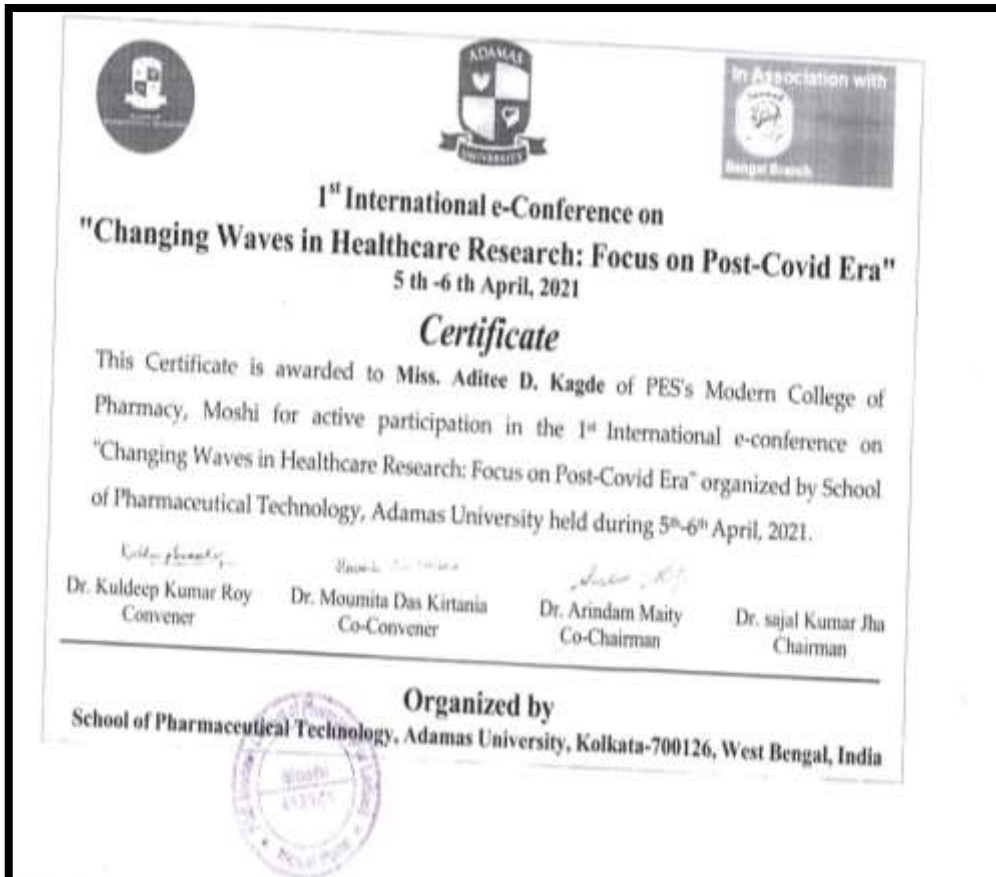


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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

HON.SHRI BABANRAO PACHPUTE VICHARDHARA TRUST'S, GROUP OF INSTITUTION'S, KASHTI

Committee for Academic Research & Excellence



PARAS

Parikrama Academic Research A fortiori Symposia

Certificate

This is certified that, Prof./Dr./Mr./Miss. Shible Megha Vijay
of Pharate Patil Cop attended / presented a Oral / Poster
Research Paper, entitled _____
of 2 days conference on Research on motivational Source
for better tomorrow in making held at Parikrama Technical Campus, Kashti,
Maharashtra, on the 26th 27th day of Sept month in 2018

V.B. Pachpute
Secretary
H.S.B.P.V.T



Convener

G. R. Ekbote
Core Member of
CARE

www.parikrama.edu.in

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



EMINENT COLLEGE OF PHARMACEUTICAL TECHNOLOGY

(A UNIT OF NIRMALA FOUNDATION)
BARBARIA, BARASAT, KOLKATA-700126



CERTIFICATE OF APPRECIATION

THIS CERTIFICATE RECOGNIZES THE CONTRIBUTION OF

Ms. Komal Anantrao Kawale

As Participant in the 1st International Conference on the theme of "Drug Discovery and Development for Infectious Diseases: Cutting-edge Research and Challenges" organized by Eminent College of Pharmaceutical Technology (ECPT), Barasat, Kolkata-700126 in association with Bioequivalence Study Centre, Jadavpur University, Kolkata-700032 on 3rd and 4th March, 2023.

 DR. SUCHANDRA SEN CHAIRPERSON PRINCIPAL, ECPT	 DR. KAUSHIK BISWAS CONVENOR VICE-PRINCIPAL, ECPT	 DR. SURAJIT GOON PATRON ACADEMIC DIRECTOR EMINENT GROUP OF COLLEGES	 PROF. SANMOY KARMAKAR DIRECTOR BIOEQUIVALENCE STUDY CENTRE JADAVPUR UNIVERSITY
--	---	---	--



Criterion 3 - Research, Innovations and Extension



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

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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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



EMINENT COLLEGE OF PHARMACEUTICAL TECHNOLOGY

(A UNIT OF NIRMALA FOUNDATION)
BARBARIA, BARASAT, KOLKATA-700126



CERTIFICATE OF APPRECIATION

THIS CERTIFICATE RECOGNIZES THE CONTRIBUTION OF

Ms. Shivanjali Sanjay Madane

As Participant in the 1st International Conference on the theme of "Drug Discovery and Development for Infectious Diseases: Cutting-edge Research and Challenges" organized by Eminent College of Pharmaceutical Technology (ECPT), Barasat, Kolkata-700126 in association with Bioequivalence Study Centre, Jadavpur University, Kolkata-700032 on 3rd and 4th March, 2023.

Suchandra Sen

DR. SUCHANDRA SEN
CHAIRPERSON
PRINCIPAL, ECPT

Kaushik Biswas

DR. KAUSHIK BISWAS
CONVENOR
VICE-PRINCIPAL, ECPT

Surajit Goon

DR. SURAJIT GOON
PATRON
ACADEMIC DIRECTOR
EMINENT GROUP OF COLLEGES



Sanmoy Karmakar

PROF. SANMOY KARMAKAR
DIRECTOR
BIOEQUIVALENCE STUDY CENTRE
JADAVPUR UNIVERSITY

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Genba Sopanrao Moze Trust's
GENBA SOPANRAO MOZE COLLEGE OF PHARMACY
Ball Road, Pune - Nagar Road, Wagholi, Pune - 412 207, MS, India, Website: www.gsmozecap.com
Recognized by DTE, Govt. of Maharashtra, AICTE, Approved by PCI & Affiliated to MSBTE & SPPU (Pune University)

AICTE SPONSORED GOC Scheme
Two-Days National Conference
"Innovations and Opportunities in Drug Discovery & Delivery Approaches"
Organized By
GENBA SOPANRAO MOZE COLLEGE OF PHARMACY

Certificate
of Participation

This is to certify that Prof./Dr./Mr./Ms. Shravani Rajendra Musale
has participated as Delegate/ Organizing Committee Member in AICTE, New Delhi Sponsored Two Days National Conference "Innovations and Opportunities in Drug Discovery & Delivery Approaches" organized by Genba Sopanrao Moze College of Pharmacy, Wagholi, Pune, on 03rd & 04th February 2023.
His/ Her contribution in the conference is immensely appreciated.

Mugdha Co-ordinator
Prof. Mugdha Mudviker
MSB & Co-ordinator

Rajesh Convener
Dr. Rajesh Oswal
Filesys & Convener

Rambhau Patron
Hon. Shri Rambhau Moze
Founder President



Scanned with CamScanner

Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Genba Sopanrao Moze Trust's
GENBA SOPANRAO MOZE COLLEGE OF PHARMACY
Baif Road, Pune -Nagar Road, Wagholi, Pune - 412 207, MS, India, Website: www.gsmozecop.com
Recognised by DTE, Govt. of Maharashtra, AICTE, Approved by PCI & Affiliated to MSBTE & SPPU (Pune University)

AICTE SPONSORED GOC Scheme
Two-Days National Conference
"Innovations and Opportunities in Drug Discovery & Delivery Approaches"
Organized By
GENBA SOPANRAO MOZE COLLEGE OF PHARMACY


Certificate
of Participation

This is to certify that Prof./Dr./Mr./Ms. Snehal Bhaskarrao Parsane
has participated as Delegate/ Organizing Committee Member in AICTE, New Delhi Sponsored Two Days National Conference "Innovations and Opportunities in Drug Discovery & Delivery Approaches" organized by Genba Sopanrao Moze College of Pharmacy, Wagholi, Pune. on 03rd & 04th February 2023.
His / Her contribution in the conference is immensely appreciated.

Mugdha
Co-ordinator
Prof. Mugdha Mudvkar

Raish
Convener
Dr. Raish Oswal

Manish
Patron
Hon. Shri Damodar Moze



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

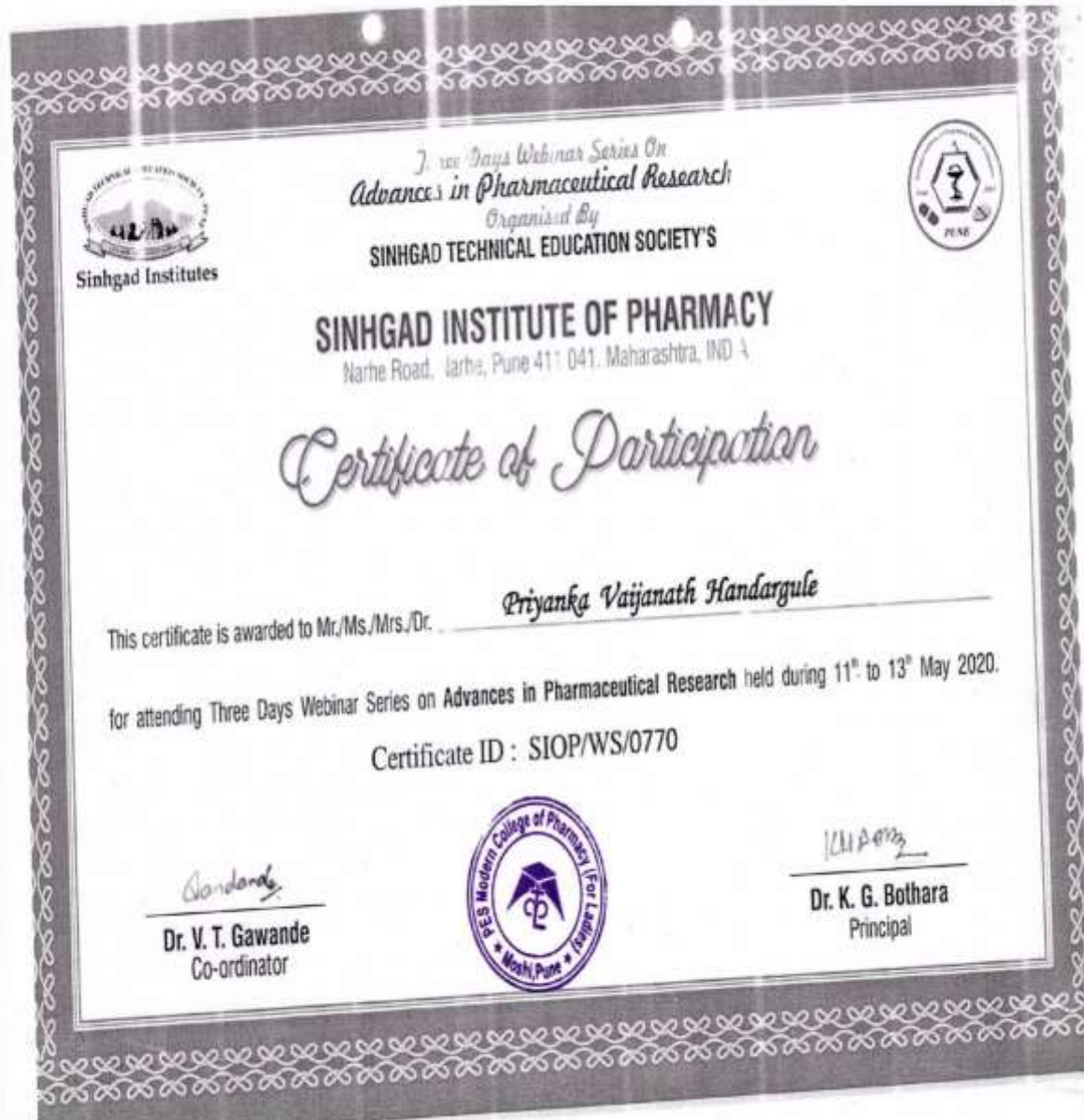


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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

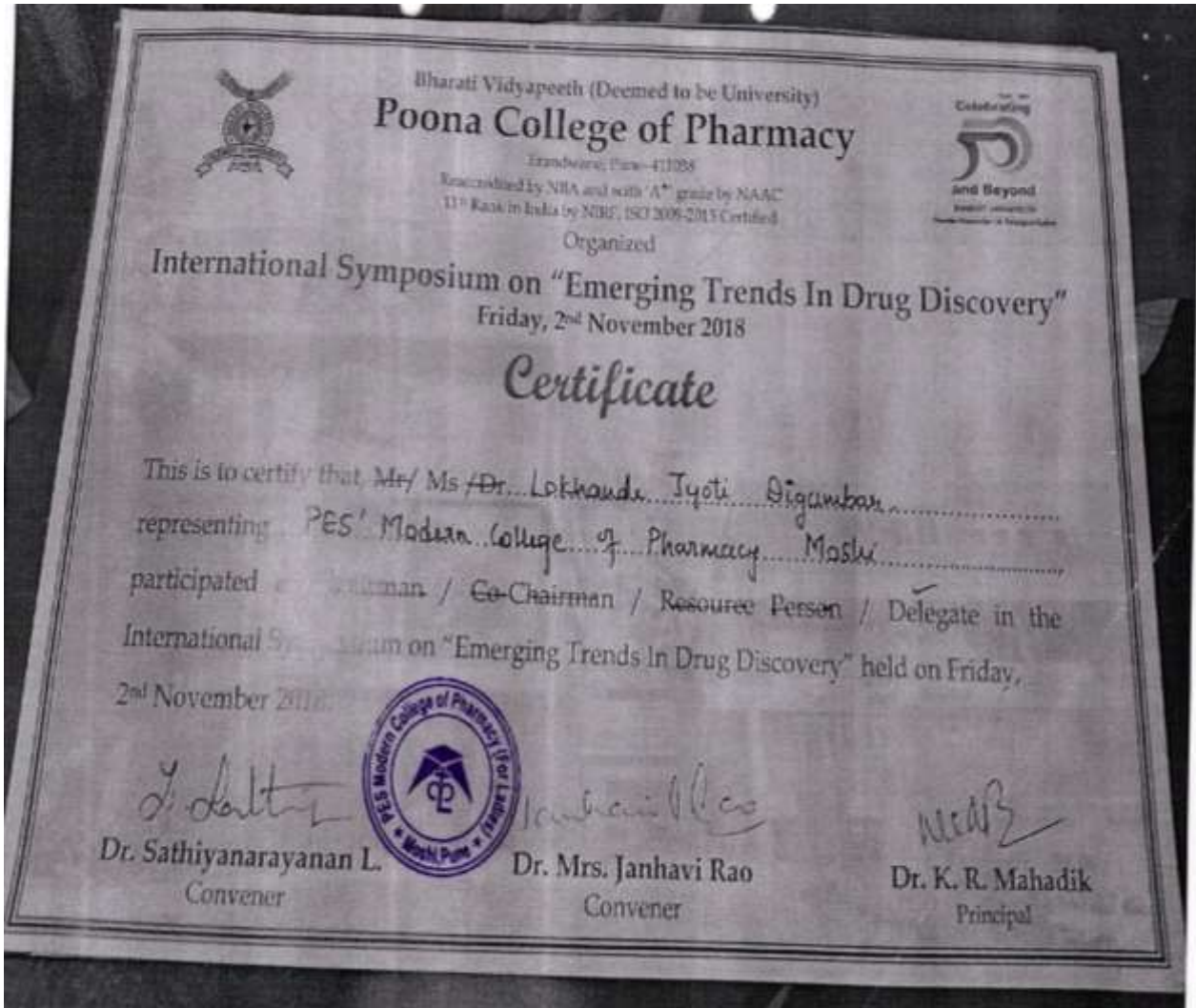


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



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

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Bharati Vidyapeeth (Deemed to be University)
Poona College of Pharmacy
Pune, India - 411008
Reaccredited by NBA and with 'A+' grade by NAAC
11th Rank in India by NCEF, 2017-2019 Certified

Cooperating



and Beyond
Pune, India - 411008

Organized
International Symposium on "Emerging Trends In Drug Discovery"
Friday, 2nd November 2018

Certificate

This is to certify that, Mr/ Ms /Dr... Wahare Pooja Suktadev.....
representingModern College of Pharmacy, Moshi.....
participated as Chairman / Co-Chairman / Resource Person / Delegate in the
International Symposium on "Emerging Trends In Drug Discovery" held on Friday,
2nd November 2018.



Dr. Sathiyarayanan L.
Convener



Dr. Mrs. Janhavi Rao
Convener



Dr. K. R. Mahadik
Principal



Criterion 3 - Research, Innovations and Extension



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

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



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

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

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



Criterion 3 - Research, Innovations and Extension



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



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Bharati Vidyapeeth (Deemed to be University)
Poona College of Pharmacy

Erandwane, Pune-411038
Reaccredited by NBA and with 'A+' grade by NAAC
11th Rank in India by NIRF, ISO 2009-2015 Certified



Organized
International Symposium on "Emerging Trends In Drug Discovery"
Friday, 2nd November 2018

Certificate

This is to certify that, Mr/ Ms /Dr.....Tejashree.....Chhagan.....Sawant.....
representingModern College of Pharmacy, Moshi (For Women).....
participated as Chairman / Co-Chairman / Resource Person / Delegate in the
International Symposium on "Emerging Trends In Drug Discovery" held on Friday,
2nd November 2018.

Dr. Sathiyarayanan L.
Convener

Dr. Mrs. Janhavi Rao
Convener

Dr. K. R. Mahadik
Principal



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

NIRF

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES Modern College of Pharmacy (For Ladies), Moshi

Shortcomings of National Institutional Ranking Framework 2022-2023

As per report issued by NIRF our college lacks some components where we can improve for the next cycle of NIRF by taking corrective action on different parameters which is discuss below

Report of NIRF

Parameter	TLR	RPC	GO	OI	Perception
Marks	100	100	100	100	100
Score	55.44	3.19	54.85	52.71	0

Possible Corrective Action

Sr.No	Parameter	Corrective Action Required
1.	Teaching, Learning & Resources (TLR)	<ul style="list-style-type: none"> Faculty student ratio with emphasis on permanent faculty PhD Faculty and Experience Faculty Annual capital Expenditure on academic activities & resource(Library) Annual Operational Expenditure on seminar/workshop/conferences
2.	Research and Professional Practice (RP)	<ul style="list-style-type: none"> Quality publication IPR & Patent Research funding earnings Consultancy Project
3.	Graduation Outcomes (GO)	<ul style="list-style-type: none"> Placement and Higher Studies Number of Ph.D. Students Graduated
4.	Outreach and Inclusivity (OI)	<ul style="list-style-type: none"> Students from other state
5.	Perception (PR)	<ul style="list-style-type: none"> Employers & Academic Peers



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, Almost-Moshi,
Tal.- Haveli, Dist. Pune- 412 105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES Modern College of Pharmacy (For Ladies), Moshi

Weaknesses of Institute for National Institutional Ranking Framework 2021-2022 (NIRF 2022)

As per report issued by NIRF and when compared to ranked institutes, it was found that our college lacks some components where we can improve for the next cycle of NIRF by taking corrective action on different parameters which are given below.

Report of NIRF 2022

Parameter	Teaching-Learning Resources (TLR)	Research and Professional Practice (RPC)	Graduation Outcomes (GO)	Outreach and Inclusivity (OI)	Perception
Marks	100	100	100	100	100
Score	48.83	1.92	56.99	53.09	0.00

Possible Corrective Actions

Sr. No.	Parameter	Corrective Action
1.	Teaching, Learning & Resources (TLR)	<ul style="list-style-type: none"> Students strength including PhD students can be improved Faculty student ratio with emphasis on permanent faculty (Ratio of 1:15) PhD Faculty and Experienced Faculty Annual capital Expenditure on academic activities & resource(Library) can be improved Annual Operational Expenditure on seminar/workshop/conferences can be increased
2.	Research and Professional Practice (RP)	<ul style="list-style-type: none"> Quality and number of publications can be improved IPR & Patent number can be increased Research funding earnings Consultancy Project can be improved
3.	Graduation Outcomes (GO)	<ul style="list-style-type: none"> Placement and Higher Studies Number of Ph.D. Students Graduated can be improved
4.	Outreach and Inclusivity (OI)	<ul style="list-style-type: none"> Students from other state, preference should be given.
5.	Perception (PR)	<ul style="list-style-type: none"> Employers & Academic Peers (third party survey)

Dr. V. S. Vichare



Principal
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, AU/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES Modern College of Pharmacy (For Ladies), Moshi

Weaknesses of Institute for National Institutional Ranking Framework 2020-2021 (NIRF 2021)

As per report issued by NIRF and when compared to ranked institutes, it was found that our college lacks some components where we can improve for the next cycle of NIRF by taking corrective action on different parameters which are given below.

Report of NIRF 2021

Parameter	Teaching-Learning Resources (TLR)	Research and Professional Practice (RPC)	Graduation Outcomes (GO)	Outreach and Inclusivity (OI)	Perception
Marks	100	100	100	100	100
Score	58.28	0.27	53.78	53.36	0.00

Possible Corrective Actions

Sr. No.	Parameter	Corrective Action
1.	Teaching, Learning & Resources (TLR)	<ul style="list-style-type: none"> Students strength including PhD students need to be improved Faculty student ratio with emphasis on permanent faculty (Ratio of 1:15) PhD Faculty and Experienced Faculty need to be improved Annual capital Expenditure on academic activities & resource(Library) need to be improved Annual Operational Expenditure on seminar/workshop/conferences need to be improved
2.	Research and Professional Practice (RP)	<ul style="list-style-type: none"> Quality and number of publications need to be improved IPR & Patent number need to be improved Research funding earnings need to be improved Consultancy Project need to be improved
3.	Graduation Outcomes (GO)	<ul style="list-style-type: none"> Placement and Higher Studies Number of Ph.D. Students Graduated need to be improved
4.	Outreach and Inclusivity (OI)	<ul style="list-style-type: none"> Students from other state, preference should be given.
5.	Perception (PR)	<ul style="list-style-type: none"> Employers & Academic Peers (third party survey)

H2
MRS. Vijaya Vichare



[Signature]
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Havelli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCG),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

National Institutional Ranking Framework Ministry of Education Government of India

Welcome to Data Capturing System: PHARMACY

Submitted Institute Data for NIRF'2024'

Institute Name: PES Modern College of Pharmacy [for ladies] Moshi, Pune [IR.P.C-41238]

Sanctioned (Approved) Intake

Academic Year	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18
UG [4 Years Program(s)]	100	100	100	100	-	-
PG [2 Year Program(s)]	30	30	-	-	-	-

Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC (Including male & female))	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [4 Years Program(s)]	0	483	483	483	0	0	146	237	111	0	0	272
PG [2 Year Program(s)]	0	56	56	56	0	0	18	17	11	0	0	24

Placement & Higher Studies

UG [4 Years Program(s)] Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2017-18	80	60	2018-19	8	2019-21	65	32	150000(one lac fifty thousand)	18
2018-19	60	56	2019-20	11	2021-22	70	9	200000(two lac)	24
2019-20	100	86	2020-21	29	2022-23	109	29	210000(TWO LAC TEN THOUSAND)	35

PG [2 Years Program(s)] Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2019-20	18	15	2020-21	15	9	220000(two lac twenty eight thousand)	6
2020-21	18	19	2021-22	19	8	220000(two lac twenty thousand)	2
2021-22	30	24	2022-23	22	12	220000(two lac twenty thousand)	2



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)

Borhadswadi, A/Post-Moshi,
Pune-411 005

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Ph.D Student Details

Ph.D (Student pursuing doctoral program till 2022-23 Students admitted in the academic year 2023-24 should not be entered here.)			
		Total Students	
Full Time		22	
Part Time		0	
No. of Ph.D students graduated (including Integrated Ph.D)			
	2022-23	2021-22	2020-21
Full Time	0	0	0
Part Time	0	0	0

Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years

Academic Year	2022-23	2021-22	2020-21
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library	362495 (THREE LAC SIXTY TWO THOUSAND FOUR HUNDRED NINETY FIVE)	82010 (EIGHTY TWO THOUSAND TEN)	0 (ZERO)
New Equipment for Laboratories	4232029 (FORTY TWO LAC TWENTY THREE THOUSAND NINE HUNDRED TWENTY NINE)	288890 (TWENTY EIGHT LAC EIGHTY SIX THOUSAND NINE HUNDRED NINETY)	0 (ZERO)
Other expenditure on creation of Capital Assets (including expenditure on Land and Building)	3786474 (THIRTY SEVEN LAC EIGHTY SIX THOUSAND FOUR HUNDRED SEVENTY FOUR)	1389632 (THIRTEEN LAC NINETY FIVE THOUSAND SIX HUNDRED THIRTY TWO)	525811 (FIVE LAC TWENTY FIVE THOUSAND EIGHT HUNDRED ELEVEN)

Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years

Academic Year	2022-23	2021-22	2020-21
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	2490540 (TWO CRORE FORTY NINE LAC SEVENTEEN THOUSAND FORTY)	2903408 (TWO CRORE NINETY NINE LAC THIRTY FOUR THOUSAND FOUR HUNDRED EIGHT)	1658640 (ONE CRORE SIXTY FIVE LAC THOUSAND SIX HUNDRED FORTY)
Maintenance of Academic infrastructure or conveniences and other running expenditure(excluding maintenance of hostel and allied services,rent of the building, depreciation cost, etc)	675695 (SIXTY SEVEN LAC FIFTY NINE THOUSAND EIGHT HUNDRED NINETY SIX)	570004 (EIGHTY SEVEN LAC NINE THOUSAND FORTY FOUR)	1072993 (SEVENTY EIGHT LAC SEVENTY TWO THOUSAND EIGHT HUNDRED SIXTY EIGHT)
Seminars/Conferences/Workshops	3889 (THIRTY SIX THOUSAND SIX HUNDRED NINE)	8000 (EIGHTY THOUSAND)	500 (FIVE THOUSAND TWO HUNDRED)

IPR

Calendar year	2022	2021	2020
No. of Patents Published	1	3	1
No. of Patents Granted	0	0	0

Sponsored Research Details



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadswadi, A/Post-Moshi,
Mumbai Dist Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Financial Year	2022-23	2021-22	2020-21
Total no. of Sponsored Projects	2	1	2
Total no. of Funding Agencies	1	1	2
Total Amount Received (Amount in Rupees)	65428	100000	1274105
Amount Received in Words	SIXTY FIVE THOUSAND FOUR HUNDRED TWENTY EIGHT	one lac	twelve lac seventy four thousand twenty five

Consultancy Project Details

Financial Year	2022-23	2021-22	2020-21
Total no. of Consultancy Projects	0	0	0
Total no. of Client Organizations	0	0	0
Total Amount Received (Amount in Rupees)	0	0	0
Amount Received in Words	Zero	Zero	Zero

PCS Facilities: Facilities of physically challenged students

1. Do your institution buildings have Lifts/Ramps?	Yes, more than 80% of the buildings.
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Yes
3. Do your institution buildings have specially designed toilets for handicapped students?	Yes, more than 60% of the buildings.

Faculty Details

Srno	Name	Age	Designation	Gender	Qualification	Experience (In Months)	Currently working with institution?	Joining Date	Leaving Date	Association type
1	Dr. MHETRE RAKSHA LAXMAN	39	Assistant Professor	Female	Ph.D	166	Yes	01-08-2019	--	Regular
2	Dr. Upadhye Mahini Chandrakant	42	Other	Female	Ph.D	216	Yes	08-08-2005	--	Regular
3	Dr. More Smita Dhanrajy	43	Other	Female	Ph.D	216	Yes	08-08-2007	--	Regular
4	Dr. Dhole Shashikant N	48	Dean / Principal / Director / Vice Chancellor	Male	Ph.D	303	Yes	21-05-1988	--	Regular
5	Dr. Tambe Vyshak S	46	Professor	Female	Ph.D	252	Yes	02-08-2004	--	Regular
6	Dr. Vicham Vijeay S	40	Other	Female	Ph.D	192	Yes	01-12-2007	--	Regular
7	Ahlat Hemant P	44	Assistant Professor	Male	M. Pharm	204	Yes	01-08-2006	--	Regular
8	Dr. Kulkarni Nilesh S	42	Associate Professor	Male	Ph.D	180	Yes	04-12-2006	--	Regular
9	Dr. Munde Manojkumar K	41	Assistant Professor	Male	Ph.D	168	Yes	20-08-2009	--	Regular
10	Kad Dhanashree Ramdas		Assistant Professor	Female	M. Pharm		Yes	01-07-2018	--	Adhoc / Contractual
11	BHALERAO REKHA AMIT	33	Assistant Professor	Female	M. Pharm	108	Yes	01-07-2019	--	Regular



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

12	CHAVSHETTI RAHUL RAMESH	43	Other	Male	Master of Pharmacy	182	Yes	03-07-2007	-	Regular
13	Bhagyashree Parande	34	Assistant Professor	Female	M. Pharm		Yes	02-02-2021	-	Adhoc / Contractual
14	Shruja Sunil Jadhav	30	Assistant Professor	Female	M. Pharm		Yes	01-04-2021	-	Adhoc / Contractual
15	Hakaj S Ahar	20	Assistant Professor	Female	M. Pharm		Yes	18-01-2021	-	Adhoc / Contractual
16	Archana Shamron Gadakh	29	Assistant Professor	Female	M. Pharm		Yes	01-04-2021	-	Adhoc / Contractual
17	Bhagyashree Narayan Ahs	33	Assistant Professor	Female	M. Pharm		Yes	11-01-2021	-	Adhoc / Contractual
18	Mayuri Haribhai Tapkir	27	Assistant Professor	Female	M. Pharm		Yes	18-01-2021	-	Adhoc / Contractual
19	Dr Pragata B Kothawade	35	Assistant Professor	Female	Ph.D		Yes	11-01-2021	-	Adhoc / Contractual
20	Snheha K Palli	36	Assistant Professor	Female	M. Pharm		Yes	01-01-2021	-	Adhoc / Contractual
21	Chamashri Rahul Raut	34	Assistant Professor	Female	M. Pharm		Yes	01-08-2020	-	Adhoc / Contractual
22	Shinde Anruta Suyash	31	Assistant Professor	Female	M. Pharm	75	Yes	01-08-2018	-	Regular
23	Kokode Pallavi G	26	Assistant Professor	Female	Master of Pharmacy		Yes	27-09-2021	-	Adhoc / Contractual
24	Wakar Musali Gajrajhar	29	Assistant Professor	Female	Master of Pharmacy		Yes	02-05-2021	-	Adhoc / Contractual
25	Durgamkar Chaitali Chandrabhokhar	33	Assistant Professor	Female	Master of Pharmacy		Yes	26-08-2021	-	Adhoc / Contractual
26	Ghangul Sunil Mehresh	32	Assistant Professor	Female	Master of Pharmacy		Yes	10-01-2022	-	Adhoc / Contractual
27	Smriti Jayant Manikar	44	Assistant Professor	Female	Master of Pharmacy		Yes	03-03-2022	-	Adhoc / Contractual
28	RANI DHOLE	29	Assistant Professor	Female	Master of Pharmacy	60	No	15-11-2022	30-09-2023	Adhoc / Contractual
29	RAHUL SHIVARKAR	50	Assistant Professor	Male	Ph.D	240	Yes	17-11-2022	-	Adhoc / Contractual
30	CHAVSHAM SAKHARE	38	Assistant Professor	Male	Master of Pharmacy	100	Yes	26-08-2022	-	Adhoc / Contractual
31	MANSIHA SHINDE	23	Assistant Professor	Female	Master of Pharmacy	17	Yes	22-06-2022	-	Adhoc / Contractual
32	PRINYANA SHINDE	24	Assistant Professor	Female	Master of Pharmacy	6	Yes	01-02-2023	-	Adhoc / Contractual
33	KETAKI SALVE	37	Assistant Professor	Female	Master of Pharmacy	48	Yes	01-02-2023	-	Adhoc / Contractual
34	ASHWINI CHAUDHARI	25	Associate Professor	Female	Master of Pharmacy	12	Yes	01-08-2022	-	Adhoc / Contractual
35	Mahesh Mangabhai	27	Assistant Professor	Male	Master of Pharmacy	18	Yes	25-05-2023	-	Adhoc / Contractual
36	SUPRIYA MAHE	24	Assistant Professor	Female	Master of Pharmacy	24	Yes	29-08-2022	-	Adhoc / Contractual



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli Dist. Dindori-412 105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES Modern College of Pharmacy (For Ladies), Moshi

Shortcomings of National Institutional Ranking Framework 2022-2023

As per report issued by NIRF our college lacks some components where we can improve for the next cycle of NIRF by taking corrective action on different parameters which is discuss below

Report of NIRF

Parameter	TLR	RPC	GO	OI	Perception
Marks	100	100	100	100	100
Score	55.44	3.19	54.85	52.71	0

Possible Corrective Action

Sr.No	Parameter	Corrective Action Required
1.	Teaching, Learning & Resources (TLR)	<ul style="list-style-type: none"> Faculty student ratio with emphasis on permanent faculty PhD Faculty and Experience Faculty Annual capital Expenditure on academic activities & resource(Library) Annual Operational Expenditure on seminar/workshop/conferences
2.	Research and Professional Practice (RP)	<ul style="list-style-type: none"> Quality publication IPR & Patent Research funding earnings Consultancy Project
3.	Graduation Outcomes (GO)	<ul style="list-style-type: none"> Placement and Higher Studies Number of Ph.D. Students Graduated
4.	Outreach and Inclusivity (OI)	<ul style="list-style-type: none"> Students from other state
5.	Perception (PR)	<ul style="list-style-type: none"> Employers & Academic Peers



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At-Post-Moshi,
Tal.-Haveli, Dist. Pune-412 105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

National Institutional Ranking Framework Ministry of Education Government of India

Welcome to Data Capturing System: PHARMACY

Submitted Institute Data for NIRF'2023'

Institute Name: PES Modern College of Pharmacy (for ladies) Moshi, Pune [IR-P-C-41238]

Sanctioned (Approved) Intake

Academic Year	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17
UG [4 Years Program(s)]	100	100	100	60	-	-
PG [2 Year Program(s)]	30	15	-	-	-	-

Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [4 Years Program(s)]	0	426	426	420	2	0	70	143	79	0	20	113
PG [2 Year Program(s)]	0	43	43	43	0	0	12	15	11	0	0	16

Placement & Higher Studies

UG [4 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2016-17	60	60	2017-18	13	2019-20	67	38	300000(three lac)	17
2017-18	60	60	2018-19	8	2020-21	66	32	150000(one lac fifty thousand)	18
2018-19	60	60	2019-20	11	2021-22	78	9	200000(two lac)	24

PG [2 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2018-19	18	18	2019-20	16	11	210000(two lac ten thousand)	2
2019-20	18	15	2020-21	15	9	220000(two lac twenty thousand)	0
2020-21	18	19	2021-22	12	5		



2023
11/16/23

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, A/Post-Moshi,
Tal. Haveli Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Ph.D Student Details

Ph.D (Student pursuing doctoral program till 2021-22 Students admitted in the academic year 2022-23 should not be entered here.)			
		Total Students	
Full Time		16	
Part Time		0	
No. of Ph.D students graduated (including Integrated Ph.D)			
	2021-22	2020-21	2019-20
Full Time	0	1	1
Part Time	0	0	0

Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years

Academic Year	2021-22	2020-21	2019-20
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library	82910 (EIGHTY TWO THOUSAND TEN)	0 (ZERO)	256101 (TWO LAC NINETY EIGHT THOUSAND ONE HUNDRED ONE)
New Equipment for Laboratories	288990 (TWENTY EIGHT LAC EIGHTY SIX THOUSAND NINE HUNDRED NINETY)	0 (ZERO)	380360 (THREE LAC SIXTY THOUSAND FIVE HUNDRED SIXTY)
Other expenditure on creation of Capital Assets (excluding expenditure on Land and Building)	1395932 (THIRTEEN LAC NINETY FIVE THOUSAND SIX HUNDRED THIRTY TWO)	525911 (FIVE LAC TWENTY FIVE THOUSAND EIGHT HUNDRED ELEVEN)	985054 (NINE LAC EIGHTY FIVE THOUSAND SIX HUNDRED FIFTY FOUR)

Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years

Academic Year	2021-22	2020-21	2019-20
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	28934406 (TWO CRORE NINETY NINE LAC THIRTY FOUR THOUSAND FOUR HUNDRED EIGHT)	16580640 (ONE CRORE SIXTY FIVE LAC EIGHTY THOUSAND SIX HUNDRED FOURTY)	14444444 (ONE CRORE SIXTY EIGHT LAC SIX THOUSAND EIGHT HUNDRED EIGHTY FOUR)
Maintenance of Academic Infrastructure or consumables and other running expenditures(excluding maintenance of hostels and allied services,rent of the building, depreciation cost, etc)	8709044 (EIGHTY SEVEN LAC NINE THOUSAND FORTY FOUR)	7872888 (SEVENTY EIGHT LAC SEVENTY TWO THOUSAND EIGHT HUNDRED SIXTY EIGHT)	15129624 (ONE CRORE FIFTY ONE LAC TWENTY NINE THOUSAND SIX HUNDRED TWENTY FOUR)
Seminars/Conferences/Workshops	80000 (EIGHTY THOUSAND)	5200 (FIVE THOUSAND TWO HUNDRED)	346111 (THREE LAC FORTY SIX THOUSAND ONE HUNDRED ELEVEN)

IPR

Calendar year	2021	2020	2019
No. of Patents Published	5	0	0
No. of Patents Granted	0	0	0

Sponsored Research Details



sole
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewad, A/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Financial Year	2021-22	2020-21	2019-20
Total no. of Sponsored Projects	1	2	1
Total no. of Funding Agencies	1	2	1
Total Amount Received (Amount in Rupees)	100000	1274000	250000
Amount Received in Words	one lac	twelve lac seventy four thousand twenty five	two lac fifty thousand

Consultancy Project Details

Financial Year	2021-22	2020-21	2019-20
Total no. of Consultancy Projects	0	0	0
Total no. of Client Organizations	0	0	0
Total Amount Received (Amount in Rupees)	0	0	0
Amount Received in Words	Zero	Zero	Zero

PCS Facilities: Facilities of physically challenged students

1. Do your institution buildings have Lift/Ramps?	Yes, more than 60% of the buildings
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Yes
3. Do your institution buildings have specially designed toilets for handicapped students?	Yes, more than 80% of the buildings

Faculty Details

Sno	Name	Age	Designation	Gender	Qualification	Experience (in Months)	Currently working with institution?	Joining Date	Leaving Date	Association type
1	Dr. MEETRE RAKSHA LAXMAN	37	Assistant Professor	Female	Ph.D	154	Yes	01-08-2019	-	Regular
2	Dr Upadhye Mohini Chandrakant	40	Other	Female	Ph.D	204	Yes	08-08-2005	-	Regular
3	Dr. More Sneha Dhananjay	41	Other	Female	Ph.D	204	Yes	09-06-2007	-	Regular
4	Dr Dhole Shashikant N	47	Dean / Principal / Director / Vice Chancellor	Male	Ph.D	291	Yes	21-08-1998	-	Regular
5	Jeethi Sulhas V	54	Associate Professor	Male	M. Pharm	444	No	01-05-2004	01-06-2022	Regular
6	Dr. Tambhe Vinayak S.	51	Professor	Female	Ph.D	340	Yes	03-08-2004	-	Regular
7	Dr. Vichare Vinay S	38	Other	Female	Ph.D	180	Yes	01-12-2007	-	Regular
8	Ahlat Harshad P	41	Assistant Professor	Male	M. Pharm	193	Yes	01-08-2006	-	Regular
9	Dr. Kulkarni Nilesh S	39	Associate Professor	Male	Ph.D	168	Yes	04-12-2008	-	Regular
10	Dr. Munde Manojkumar K	38	Assistant Professor	Male	Ph.D	150	Yes	20-08-2009	-	Regular
11	Waseem Vinay A	50	Assistant Professor	Male	M.Sc (Microbiology)	384	No	03-10-2005	-	Regular



15-04-2022
PRINCIPAL
PES Modern College of Pharmacy
(FOR LADIES)
Borhacherry, Pune-Moshi.
Tel. No. 20222222

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

12	Kad Dhanashree Ramdas	29	Assistant Professor	Female	Master of Pharmacy	81	Yes	01-07-2018	--	Adhoc / Contractual
13	BHALERAO REGHA AMT	34	Assistant Professor	Female	Master of Pharmacy	86	Yes	01-07-2018	--	Regular
14	CHAMBHETTI RAHUL RAMESH	41	Other	Male	Master of Pharmacy	180	Yes	05-07-2007	--	Regular
15	Bhagyaresha Parbote	32	Assistant Professor	Female	M. Pharm	82	Yes	02-03-2021	--	Adhoc / Contractual
16	Soumi Ravindra Chitambari	33	Assistant Professor	Female	M. Pharm	120	Yes	01-01-2021	--	Adhoc / Contractual
17	Shrusika Suniti Jadhav	27	Assistant Professor	Female	M. Pharm	36	Yes	01-01-2021	--	Adhoc / Contractual
18	Rutuja S Akar	27	Assistant Professor	Female	M. Pharm	26	Yes	16-01-2021	--	Adhoc / Contractual
19	Archana Shriharan Godakhi	26	Assistant Professor	Female	M. Pharm	13	Yes	01-07-2021	--	Adhoc / Contractual
20	Bhagyaresha Navayee Anil	30	Assistant Professor	Female	M. Pharm	84	Yes	11-01-2021	--	Adhoc / Contractual
21	Mayali Haribhau Tapar	25	Assistant Professor	Female	M. Pharm	10	Yes	19-01-2021	--	Adhoc / Contractual
22	Dr-Pratiksha B Kolharwadkar	37	Assistant Professor	Female	Ph.D	129	Yes	11-01-2021	--	Adhoc / Contractual
23	Sneha K Patil	33	Assistant Professor	Female	M. Pharm	72	Yes	01-01-2021	--	Adhoc / Contractual
24	Dhanashree Rajal Raut	32	Assistant Professor	Female	M. Pharm	31	Yes	01-08-2006	--	Adhoc / Contractual
25	Shriee Anuska Suyash	29	Assistant Professor	Female	M. Pharm	63	Yes	01-09-2019	--	Regular
26	Dr VILAS BAMBURJAR	65	Professor	Male	Ph.D	318	Yes	11-01-2001	--	Visiting
27	Kaladevi Poojai G	34	Assistant Professor	Female	Master of Pharmacy	90	Yes	21-06-2021	--	Adhoc / Contractual
28	Wajkar Manali Gangadhar	27	Assistant Professor	Female	Master of Pharmacy	24	Yes	03-06-2021	--	Adhoc / Contractual
29	Gangadhar Chaital Chaturvedi	38	Assistant Professor	Female	Master of Pharmacy	73	Yes	26-08-2021	--	Adhoc / Contractual
30	Ghorjil Suniti Mahatre	38	Assistant Professor	Female	Master of Pharmacy	34	Yes	15-01-2022	--	Adhoc / Contractual
31	Smita Jayant Mankar	42	Assistant Professor	Female	Master of Pharmacy	125	Yes	02-03-2022	--	Adhoc / Contractual



S.N.G.
PRINCIPAL
PES Modern College of Pharmacy
Moshi, Pune
Borhadewad, Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES Modern College of Pharmacy (For Ladies), Moshi

Weaknesses of Institute for National Institutional Ranking Framework 2021-2022 (NIRF 2022)

As per report issued by NIRF and when compared to ranked institutes, it was found that our college lacks some components where we can improve for the next cycle of NIRF by taking corrective action on different parameters which are given below,

Report of NIRF 2022

Parameter	Teaching-Learning Resources (TLR)	Research and Professional Practice (RPC)	Graduation Outcomes (GO)	Outreach and Inclusivity (OI)	Perception
Marks	100	100	100	100	100
Score	48.83	1.92	56.99	53.09	0.00

Possible Corrective Actions

Sr. No.	Parameter	Corrective Action
1.	Teaching, Learning & Resources (TLR)	<ul style="list-style-type: none"> Students strength including PhD students can be improved Faculty student ratio with emphasis on permanent faculty (Ratio of 1:15) PhD Faculty and Experienced Faculty Annual capital Expenditure on academic activities & resource(Library) can be improved Annual Operational Expenditure on seminar/workshop/conferences can be increased
2.	Research and Professional Practice (RP)	<ul style="list-style-type: none"> Quality and number of publications can be improved IPR & Patent number can be increased Research funding earnings Consultancy Project can be improved
3.	Graduation Outcomes (GO)	<ul style="list-style-type: none"> Placement and Higher Studies Number of Ph.D. Students Graduated can be improved
4.	Outreach and Inclusivity (OI)	<ul style="list-style-type: none"> Students from other state, preference should be given.
5.	Perception (PR)	<ul style="list-style-type: none"> Employers & Academic Peers (third party survey)

V.S.
Dr. V. S. Vichare



G.R.
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, A/Post-Moshi,
Tal Havell, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Ministry of Education
Government of India
Welcome to Data Capturing System: PHARMACY

Submitted Institute Data for NIRF 2022

Institute Name: PES Modern College of Pharmacy (for ladies) Moshi, Pune (IR-P-C-41238)

Sanctioned (Approved) Intake

Academic Year	2020-21	2019-20	2018-19	2017-18	2016-17	2015-16
UG (4 Years Program(s))	130	100	60	60	-	-
PG (2 Year Program(s))	18	18	-	-	-	-

Total Actual Student Strength (Program(s) Offered by Year Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC (Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG (4 Years Program(s))	0	360	360	360	0	0	18	127	71	0	34	62
PG (2 Year Program(s))	0	34	34	34	0	0	12	12	5	0	0	10

Placement & Higher Studies

UG (4 Years Program(s)): Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates (Amount in Rs.)	No. of students selected for Higher Studies
2015-16	60	60	2016-17	9	2018-19	58	45	214000 (two lac fourteen thousand)	4
2016-17	60	60	2017-18	13	2019-20	67	38	223000 (two lac twenty three thousand)	11
2017-18	60	60	2018-19	8	2020-21	85	24	240000 (two lac forty thousand)	12

PG (2 Years Program(s)): Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates (Amount in Rs.)	No. of students selected for Higher Studies
2017-18	10	10	2018-19	13	10	280000 (two lac eighty thousand)	0
2018-19	10	10	2019-20	16	11	210000 (Two lac ten thousand)	0

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Ph.D Student Details			
Ph.D (Student pursuing doctoral program till 2020-21 Students admitted in the academic year 2018-21 should not be entered here.)			
		Total Students	
Full Time		0	
Part Time		0	
No. of Ph.D students graduated (including Integrated Ph.D)			
	2020-21	2019-20	2018-19
Full Time	0	1	0
Part Time	0	0	0

Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years			
Academic Year	2020-21	2019-20	2018-19
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library	0 (zero)	290101 (Two lac ninety eight thousand one hundred and one)	232180 (Two lac thirty three thousand three hundred ninety nine)
New Equipment for Laboratories	0 (zero)	300560 (Three lac sixty thousand five hundred sixty)	499401 (Four lac ninety nine thousand four hundred and one)
Other expenditure on creation of Capital Assets (including expenditure on Land and Building)	525811 (Five lac twenty five thousand eight hundred and eleven)	985654 (Nine lac eighty five thousand six hundred fifty four)	1009883 (Ten lac twenty thousand eight hundred and eighty three)

Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years			
Academic Year	2020-21	2019-20	2018-19
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	10589640 (one crore sixty five lakh eighty thousands six hundred and forty)	16000804 (one crore sixty eight lac six thousand eight hundred and eighty four)	59430026 (one crore sixty four lac fifty thousand and thirty nine)
Maintenance of Academic Infrastructure or consumable and other running expenses (excluding maintenance of hostel and allied services, rent of the building, depreciation cost, etc)	7072858 (seventy eight lacs seventy two thousands eight hundred and sixty eight)	15120024 (one crore fifty one lac twenty nine thousand six hundred twenty four)	8520404 (eighty five lac twenty thousand four hundred seventy four)
Seminars/Conferences/Workshops	5200 (five thousand and two hundred)	348111 (Three lac forty six thousand one hundred eleven)	341428 (three lac forty one thousand four hundred twenty eight)

IPR			
Calendar year	2020	2019	2018
No. of Patents Published	1	1	0
No. of Patents Granted	0	0	0



PRINCIPAL
 PES Modern College of Pharmacy

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

www.pesmodern.edu

Financial Year	2020-21	2019-20	2018-19
Total no. of Sponsored Projects	2	1	3
Total no. of Funding Agencies	2	1	1
Total Amount Received (Amount in Rupees)	1274025	250000	266888
Amount Received in Words	TWELVE LAC SEVENTY FOUR THOUSAND THIRTY FIVE ONLY	TWO LAC FIFTY THOUSAND	TWO LAC SIXTY SIX THOUSAND EIGHT HUNDRED SIXTY EIGHT

Consultancy Project Details

Financial Year	2020-21	2019-20	2018-19
Total no. of Consultancy Projects	0	0	0
Total no. of Client Organizations	0	0	0
Total Amount Received (Amount in Rupees)	0	0	0
Amount Received in Words	Zero	Zero	Zero

PCS Facilities: Facilities of physically challenged students

1. Do your institution buildings have Lifts/Ramps?	Yes, more than 80% of the buildings
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Yes
3. Do your institution buildings have specially designed toilets for handicapped students?	Yes, more than 80% of the buildings

Faculty Details

Srno	Name	Age	Designation	Gender	Qualification	Experience (In Months)	Currently working with institution?	Joining Date	Leaving Date	Association type
1	Dr. MIRETRE RAKSHA LAXMAN	36	Assistant Professor	Female	Ph.D	142	Yes	01-08-2015	-	Regular
2	Dr. Upadhye Mohini Chandrakant	38	Other	Female	Ph.D	102	Yes	08-08-2005	-	Regular
3	Dr. More Smita Chavanjay	43	Other	Female	Ph.D	152	Yes	06-08-2007	-	Regular
4	Dr. Dhole Shashikant N	46	Dean / Principal / Director / Vice Chancellor	Male	Ph.D	276	Yes	21-06-1998	-	Regular
5	Joshi Suresh V	63	Associate Professor	Male	M. Pharm	432	Yes	01-05-2004	-	Regular
6	Dr. Tambur Vishal B	43	Professor	Female	M. Pharm	228	Yes	02-08-2004	-	Regular
7	Dr. Vichare Vijaya S	37	Officer	Female	Ph.D	158	Yes	01-12-2007	-	Regular
8	Ahlat Harward P	40	Assistant Professor	Male	M. Pharm	158	Yes	01-08-2008	-	Regular
9	Dr. Pujari Rotini R	37	Assistant Professor	Female	M. Pharm	158	Yes	20-08-2009	-	Regular
10	Dr. Kulkarni Nilesh S	38	Associate Professor	Male	M. Pharm	158	Yes	04-12-2005	-	Regular

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

K	Name	Age	Designation	Gender	Qualification	Experience	Yes	Date	Remarks	Category
12	Dr. Bagade Om M	37	Assistant Professor	Male	M. Pharm	144	Yes	30-08-2009	-	Regular
13	Ward Wroja A	39	Assistant Professor	Female	Ph.D	144	Yes	25-08-2011	-	Regular
14	Ms Poonam Popatrao Taru	32	Assistant Professor	Female	M.Sc.(Microbiology)	372	Yes	03-10-2005	-	Regular
15	Kad Dhanashree Ramde	28	Assistant Professor	Female	M. Pharm	33	Yes	01-07-2019	-	Adhoc / Contractual
16	BHALERAO REKHA AMIT	33	Assistant Professor	Female	Master of Pharmacy	35	Yes	01-07-2019	-	Adhoc / Contractual
17	CHANGHETTI RAHUL RAMESH	40	Assistant Professor	Male	Master of Pharmacy	25	Yes	01-07-2019	-	Regular
18	Bhagyashree Parvati	31	Assistant Professor	Female	Master of Pharmacy	106	Yes	03-07-2007	-	Regular
19	Sonal Ravindra Chintaman	32	Assistant Professor	Female	M. Pharm	72	Yes	02-02-2021	-	Adhoc / Contractual
20	Shrutika Sunil Jadhav	26	Assistant Professor	Female	M. Pharm	98	Yes	01-01-2021	-	Adhoc / Contractual
21	Rutuja S. Aher	28	Assistant Professor	Female	M. Pharm	25	Yes	01-01-2021	-	Adhoc / Contractual
22	Archana Shankar Gadgil	25	Assistant Professor	Female	M. Pharm	22	Yes	18-01-2021	-	Adhoc / Contractual
23	Bhagyashri Narayan Ahe	35	Assistant Professor	Female	M. Pharm	13	Yes	01-01-2021	-	Adhoc / Contractual
24	Moyani Haribhau Tejkar	36	Assistant Professor	Female	M. Pharm	86	Yes	11-01-2021	-	Adhoc / Contractual
25	Pranjita B. Kothawade	24	Assistant Professor	Female	M. Pharm	6	Yes	19-01-2021	-	Adhoc / Contractual
26	Sheha K. Pall	36	Assistant Professor	Female	M. Pharm	106	Yes	11-01-2021	-	Adhoc / Contractual
27	Dhanashri Rahul Raut	32	Assistant Professor	Female	M. Pharm	91	Yes	01-01-2021	-	Adhoc / Contractual
28	Dhanashri Rahul Raut	31	Assistant Professor	Female	M. Pharm	44	Yes	01-08-2019	-	Adhoc / Contractual
28	Shinde Anruta Sujash	28	Assistant Professor	Female	M. Pharm	44	Yes	01-08-2019	-	Adhoc / Contractual
28	Shinde Anruta Sujash	28	Assistant Professor	Female	M. Pharm	27	Yes	01-08-2019	-	Regular
29	Dr VIJAY BANSULKAR	64	Professor	Male	Ph.D	500	Yes	11-01-2021	-	Visiting



(Signature)
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

National Institutional Ranking Framework
Ministry of Education
Government of India
Welcome to Data Capturing System: PHARMACY

Submitted Institute Data for NIRF 2021*

Institute Name: PES Modern College of Pharmacy [IR-P-C-41238]

Sanctioned (Approved) Intake

Academic Year	2019-20	2018-19	2017-18	2016-17	2015-16	2014-15
UG [4 Years Program(s)]	100	60	60	60	-	-
PG [2 Year Program(s)]	18	18	-	-	-	-

Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (including male & female)	Outside State (including male & female)	Outside Country (including male & female)	Economically Backward (including male & female)	Socially Challenged (SC+ST+OBC including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [4 Years Program(s)]	0	283	283	283	0	0	45	115	71	0	26	63
PG [2 Year Program(s)]	0	32	32	32	0	0	0	13	7	0	0	15

Placement & Higher Studies

UG [4 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2014-15	60	58	2015-16	8	2017-18	59	38	180000(One lac eighty thousand)	13
2015-16	60	60	2016-17	9	2018-19	58	33	205000(Two lac five thousand only)	4
2016-17	60	60	2017-18	13	2019-20	67	20	216000(Two lac sixteen thousand)	16

PG [2 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2016-17	18	10	2017-18	10	10	300000(Three lac)	0
2017-18	18	13	2018-19	13	10	240000(Two lac forty thousand)	0
2018-19	18	16	2019-20	16	5	160000(Two lac six thousand only)	0



PRINCIPAL
PES Modern College of Pharmacy
Borhadewadi, Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Ph.D Student Details

Ph.D (Student pursuing doctoral program 18 2019-20 Students admitted in the academic year 2020-21 should not be entered here.)			
		Total Students	
Full Time		6	
Part Time		0	
No. of Ph.D students graduated (including Integrated Ph.D)			
		2019-20	2018-19
Full Time	1	0	0
Part Time	0	0	0

Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years

Academic Year	2019-20	2018-19	2017-18
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library	298101 (Two lac ninety eight thousand one hundred and one)	333399 (Three lac thirty three thousand three hundred ninety nine)	104440 (One lac four thousand four hundred and forty)
New Equipment for Laboratories	300360 (Three lac sixty thousand five hundred sixty)	499401 (Four lac ninety nine thousand four hundred and one)	42677 (Fourty three thousand five hundred seventy seven)
Other expenditure on creation of Capital Assets (excluding expenditure on Land and Building)	905654 (Nine lac eighty five thousand six hundred fifty four)	1020889 (Ten lac twenty thousand eight hundred and eighty three)	458756 (Four lac fifty thousand seven hundred fifty six)

Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years

Academic Year	2019-20	2018-19	2017-18
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	1990684 (One crore sixty eight lac six thousand eight hundred eighty four)	1645039 (One crore sixty four lac fifty thousand thirty nine)	1517375 (One crore fifty one lac seventy three thousand seven hundred seventy five)
Maintenance of Academic Infrastructure or consumables and other running expenditures (including maintenance of hostel and allied services, rent of the building, depreciation cost, etc)	1512954 (One crore fifty one lac twenty nine thousand six hundred twenty four)	9520474 (Ninety five lac twenty thousand four hundred seventy four)	7645812 (Seventy six lac forty five thousand eight hundred twelve)
Seminars/Conferences/Workshops	348111 (Three lac forty six thousand one hundred eleven)	341428 (Three lac forty one thousand four hundred twenty eight)	228067 (Two lac twenty eight thousand sixty seven)

IPR

Calendar year	2019	2018	2017
No. of Patents Published	1	1	0
No. of Patents Granted	0	0	0

Sponsored Research Details



PRINCIPAL
PES Modern College of Pharmacy
(NBA Accredited)
Borhade Road, AUP Post-Moshi,
Tal. Haveli, Dist. Solapur-412 105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY (NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Financial Year	2019	2018	2017
Total no. of Sponsored Projects	1	3	11
Total no. of Funding Agencies	1	1	1
Total Amount Received (Amount in Rupees)	30000	20000	30000
Amount Received in Words	Three Lacs Fifty thousand only	Two Lacs only in thousand eight hundred and sixty eight only	Three Lacs eight thousand five hundred and twenty three

Consultancy Project Details

Financial Year	2019	2018	2017
Total no. of Consultancy Projects	0	0	0
Total no. of Client Organizations	0	0	0
Total Amount Received (Amount in Rupees)	0	0	0
Amount Received in Words	Zero	Zero	Zero

PCS Facilities: Facilities of physically challenged students

1. Do your institution buildings have lifts/ramp?	Yes, more than 50% of the buildings
2. Do your institution have provision for walking with, emboldened/stair and transportation from one building to another for handicapped students?	Yes
3. Do your institution buildings have specially designed tables for handicapped students?	Yes, more than 50% of the buildings

Faculty Details

Sno	Name	Age	Designation	Gender	Qualification	Experience (in Months)	Is Associated Last Year	Currently working with institution?	Joining Date	Leaving Date	Association type
1	Dr. SHREYA RAKSHA LAXMI	20	Assistant Professor	Female	Ph.D.	100	Yes	Yes	01-08-2016	-	Regular
2	Updhyay Nikhita Chandrakant	28	Other	Female	B. Pharm	100	Yes	Yes	05-08-2015	-	Regular
3	Dr. Neel Datta Chaturvedi	20	Assistant Professor	Female	Ph.D.	100	Yes	Yes	05-08-2017	-	Regular
4	Dr. Dhruv Shrikant K.	45	Dean / Principal / Director / Vice Chancellor	Male	Ph.D.	207	Yes	Yes	21-08-1998	-	Regular
5	Joshi Nehal V.	02	Assistant Professor	Male	B. Pharm	400	Yes	Yes	01-05-2004	-	Regular
6	Dr. Tanvir Pratik S.	42	Professor	Female	B. Pharm	210	Yes	Yes	02-08-2004	-	Regular
7	Victore Vijaya S.	36	Assistant Professor	Female	B. Pharm	100	Yes	Yes	01-12-2007	-	Regular
8	Jadhav Pratik R.	30	Assistant Professor	Male	B. Pharm	140	No	No	20-08-2018	-	Regular
9	Atul Hemant P.	35	Assistant Professor	Male	B. Pharm	100	Yes	Yes	01-08-2018	-	Regular



Principal
PES Modern College of Pharmacy
Borhade Road, Prst-Washi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

National Institutional Ranking Framework
Ministry of Human Resource Development
Government of India
Welcome to Data Capturing System: PHARMACY

Submitted Institute Data for NIRF 2020*

Institute Name: PES Modern College of Pharmacy (IR-P-C-4123B)

Notified (Approved) Intake

Academic Year	2019-18	2017-16	2016-17	2015-15	2014-14	2013-13
3 (4 Years Program(s))	80	80	80	80	-	-
3 (2 Year Program(s))	18	18	-	-	-	-

Actual Student Strength (Programs) Offered by Year Institution

All programs of all years	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Society Challenge (SC+ST+OBC (Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institutional Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
3 (4 Years program(s))	0	202	202	202	0	0	49	62	34	0	0	77
3 (2 Year program(s))	0	30	30	30	6	0	0	0	0	0	0	5

Placement & Higher Studies

3 (4 Years Program(s)) Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students selected through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
3-14	80	80	2014-15	4	2016-17	60	38	14000(One lakh forty thousand)	11
4-15	80	80	2015-16	7	2017-18	80	39	15000(One lakh fifty thousand)	15
5-16	80	80	2016-17	8	2018-19	80	39	16000(One lakh sixty thousand)	8

3 (2 Years Program(s)) Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
3-15	30	3	2016-17	3	2	12000(One lakh twenty thousand)	0
3-17	18	10	2017-18	10	10	18000(One lakh eighty thousand)	0



me
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadwad, Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

17-18	18	19	2018-19	19	20	21000 (Two lakhs ten thousand)	8
-------	----	----	---------	----	----	--------------------------------	---

D Student Details

Ph.D (Student pursuing doctoral program till 2017-18; Students admitted in the academic year 2018-19 should not be entered here.)			
			Total Students
Ph.D			0
Ph.D			0
No. of Ph.D students graduated (including Integrated Ph.D)			
	2018-19	2017-18	2016-17
Ph.D	0	0	0
Ph.D	0	0	0

Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years

Academic Year	2018-19	2017-18	2016-17
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Ph.D	330000 (0)	59443 (One lac four thousands four hundred fourty)	15772 (Fifteen thousands seven hundred seventy two)
Equipment for Laboratories	489401 (Four lakhs ninety one thousands four hundred and one)	48077 (Forty three thousands five hundred and seventy seven)	47987 (Forty seven thousands five hundred eighty seven)
Expenditure on creation of Capital Assets (including purchase on Land and Building)	128983 (Ten lakhs twenty thousands eight hundred eighty three)	488790 (Four lakhs fifty thousands seven hundred fifty six)	78900 (Seven lakhs ninety one thousand four hundred ninety)

Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years

Academic Year	2018-19	2017-18	2016-17
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	9460000 (One Cr sixty four lakhs fifty thousands thirty nine)	1817125 (One Cr fifty one lac seventy three thousands seventy one)	1431870 (One Cr forty three lakhs ten thousands seven hundred and eighty)
Expenditure on Academic Infrastructure or consumables and running expenses (excluding maintenance of books and services, rent of the building, depreciation cost, etc.)	802074 (Eighty five lakhs twenty thousands four hundred seventy four)	784912 (0)	828163 (Eighty two lakhs thirty eight thousands one hundred and sixty three)
Conferences/Workshops	311428 (Three lakhs forty one thousands four hundred twenty eight)	228047 (Two lakhs twenty eight thousand sixty seven)	151948 (One lac fifty one thousand one hundred forty eight)

Calendar year	2018	2017	2016
Patents Published	0	0	0
Patents Granted	1	0	0



(Signature)
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY (NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Research Details

Financial Year	2016-18	2017-18	2018-17
Total no. of Sponsored Projects	3	0	1
Total no. of Funding Agencies	1	1	1
Total Amount Received (Amount in Rupees)	230000	000000	60000
Amount Received in Words	Two lakh thirty eight thousand five hundred and only	Eight lakh only six thousand five hundred and only eight	Sixty thousand

Industry Project Details

Financial Year	2016-18	2017-18	2018-17
Total no. of Sponsored Projects	0	0	0
Total no. of Client Organizations	0	0	0
Total Amount Received (Amount in Rupees)	0	0	0
Amount Received in Words	Zero	Zero	Zero

Facilities: Facilities of physically challenged students

Do your institution buildings have Lift/Rampage?	Yes, more than 80% of the buildings
Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for disabled students?	Yes
Do your institution buildings have specially designed toilets for handicapped students?	Yes, more than 80% of the buildings

Awards Details

How many faculty member of your institution have received highly reputed national/international award/ recognition from central or state agencies in the previous academic year (2018-18)	0
How many students of your institution have won international awards in the previous academic year (2018-18)	0

Accreditation

Has your institute have a valid NBA Accreditation?	NO
--	----

Adoption

Has institute adopted any village under Unnat Bharat Scheme?	NO
--	----

Faculty Details

Srno	Name	Age	Designation	Gender	Qualification	Experience (in Months)	Is Accredited Last Year	Currently working with institution?	Joining Date	Leaving Date	Association type
	Urvashi M C	37	Assistant Professor	Female	M Pharm	100	Yes	Yes	09-09-2015	--	Regular



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Dr More S D	38	Assistant Professor	Female	Ph.D	210	Yes	Yes	07-08-2007	--	Regular
D Dhole S H	44	Dean /Principal / Director / Vice Director	Male	Ph.D	205	Yes	Yes	21-08-1998	--	Regular
Joshi S V	61	Associate Professor	Male	M. Pharm	408	Yes	Yes	01-08-2004	--	Regular
Dr Kantkar V B	39	Associate Professor	Female	Ph.D	107	Yes	Yes	00-09-2004	--	Regular
Tarale V S	41	Professor	Female	M. Pharm	204	Yes	Yes	02-08-2004	--	Regular
Wahne V S	35	Assistant Professor	Female	M. Pharm	144	Yes	Yes	01-12-2007	--	Regular
Jadhav P R	36	Assistant Professor	Male	M. Pharm	138	Yes	Yes	23-08-2008	--	Regular
Murli P	38	Assistant Professor	Male	M. Pharm	100	Yes	Yes	01-08-2006	--	Regular
Pujari R R	35	Assistant Professor	Female	M. Pharm	120	Yes	Yes	20-08-2008	--	Regular
Dr Kulkarni S S	36	Assistant Professor	Male	Ph.D	137	Yes	Yes	04-12-2008	--	Regular
Kunde M K	28	Assistant Professor	Male	M. Pharm	125	Yes	Yes	20-08-2008	--	Regular
Dr Kantkar U Y	35	Assistant Professor	Female	Ph.D	103	Yes	Yes	01-08-2008	--	Regular
Bagade D M	35	Assistant Professor	Male	M. Pharm	120	Yes	Yes	28-06-2011	--	Regular
Ward V A	37	Assistant Professor	Female	M. Pharm	346	Yes	Yes	03-10-2006	--	Regular
SHARDA LADNANI SHI THE	34	Assistant Professor	Female	Master of Pharmacy	116	No	Yes	01-08-2015	--	Regular
Ms Poojara Poojara Yashu	30	Assistant Professor	Female	M. Pharm	96	No	Yes	01-07-2019	--	Adhoc / Contractual
Ms Rad Shreeprakash Ranade	26	Assistant Professor	Female	Master of Pharmacy	25	No	Yes	01-07-2019	--	Adhoc / Contractual
REKHA AMIT SHALESHAO	31	Assistant Professor	Female	Master of Pharmacy	67	No	Yes	01-07-2019	--	Adhoc / Contractual
HAN INDRADEV DURJESAWA	29	Assistant Professor	Female	Master of Pharmacy	23	No	Yes	18-07-2019	--	Adhoc / Contractual
skylar monali	24	Assistant Professor	Female	Master of Pharmacy	12	No	Yes	01-08-2019	--	Adhoc / Contractual
Ashika Suprasi Shinde	25	Assistant Professor	Female	M. Pharm	01	No	Yes	01-08-2019	--	Adhoc / Contractual
Chhaya Sandeshiv Chougale	23	Assistant Professor	Female	Master of Pharmacy	15	No	Yes	08-07-2019	--	Adhoc / Contractual
DANANETI RAJLI KAMRISHI	30	Assistant Professor	Male	Master of Pharmacy	144	Yes	Yes	05-07-2007	--	Regular



Signature
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC2),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

1/2019

All Report-MHRD, National Institutional Ranking Framework (NIRF)



National Institutional Ranking Framework
Ministry of Human Resource Development
Government of India



Welcome to Data Capturing System: PHARMACY

Institute ID: 38-F-C-41238
Institute Name: PES Modern College of Pharmacy

[← Go Back \(/DCS/Home\)](#)

Full Report

Sanctioned (Approved) Intake

Academic Year	2017-18	2016-17	2015-16	2014-15	2013-14	2012-13
UG (4 Years Program(s)) Sanctioned (approved) students intake	60	60	60	60	--	--
PG (2 Years Program(s))	18	18	--	--	--	--

Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government.	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from Private Bodies	No. of students who are not receiving full tuition fee reimbursement

<http://logn.nirfna.org/Declaration/Agree/ViewDCSData>

1/7



(Signature)
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewaul, A/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

1/2/2019

All Report-MIRFD, National Institutional Ranking Framework (NIRF)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from Private Bodies	No. of students who are not receiving full tuition fee reimbursement
U Years Program(s)	0	254	254	254	0	0	58	93	54	0	0	97
PG (2 Years Program(s))	0	23	23	23	0	0	6	4	2	0	0	8

Placement & Higher Studies

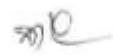
UG (4 Years Program(s)): Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates (Amount in Rs.)	No. of students selected for Higher Studies
(2012-13)	60	59	(2013-14)	5	(2015-16)	60	27	150000 (One lac fifty thousands)	18
(2013-14)	60	60	(2014-15)	4	(2016-17)	60	30	160000 (One lac sixty thousands)	10
(2014-15)	60	60	(2015-16)	7	(2017-18)	60	26	180000 (One lac Eighty thousand)	10

<https://opn.nirf.in/Declaration/Agree/ViewDCSData>

2/7




PRINCIPAL
 PES Modern College of Pharmacy
 (For Ladies)
 Borhadevada, Post-Moshi,
 Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

1/2019

All Report-RRD, National Institutional Ranking Framework (NIRF)

PG (2 Years Program(s)): Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates (Amount) in Rs.)	No. of students selected for Higher Studies
(2014-15)	54	10	(2015-16)	10	10	170000 (One lac seventy thousands)	0
(2015-16)	36	4	(2016-17)	4	4	180000 (One lac eighty thousands)	0
(2016-17)	18	13	(2017-18)	13	13	200000 (Two lac)	0

Ph.D Student Details

Ph.D (Student pursuing doctoral program till 2017-18; Students admitted in the academic year 2018-19 should not be entered here.)

	Total Students
Full Time	3
Part Time	6


No. of Ph.D students graduated (including Integrated Ph.D)

	2017-18	2016-17	2015-16
Full Time	0	0	0
Part Time	0	0	0

<https://nirf.nirf.in/ndia.org/Datadownload/Agree/ViewDCSDData>

3/7




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, A/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

1/2/2018

All Report-MHRD, National Institutional Rating Framework (NRF)

Financial Resources: Utilised Amount for the Capital & Operational expenditure for previous 3 years

Financial Year	2017-18	2016-17	2015-16
	Utilised Amount	Utilised Amount	Utilised Amount
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)			
Library	104440 (one lac four thousand forty)	15772 (Fifteen thousands seven hundred seventy two)	169848 (One lac sixty nine thousand eight hundred forty eight)
New Equipment for Laboratories	43577 (Forty three thousands five hundred seventy seven)	47387 (Forty seven thousands five hundred eighty seven)	58069 (Fifty eight thousands sixty nine)
Other expenditure on creation of Capital Assets (excluding expenditure on Land and Building)	450756 (four lac fifty thousands seven hundred fifty six)	799490 (Seven lac nine nine thousand four hundred ninety)	290075 (Two lac ninety nine thousand seven five)
Annual Operational Expenditure			
Salaries (Teaching and Non Teaching staff)	15173775 (One C fifty one lac seventy three thousands seventy five)	14310701 (one C forty three lacs ten thousands seven hundred and one)	15843524 (One C fifty eight lacs forty three thousand six hundred twenty four)
Maintenance of Academic Infrastructure or consumables, other running expenditures etc. (excluding maintenance of hostels and allied services)	7645812 (Seven six lacs forty five thousand eight hundred twelve)	8298163 (eighty two lacs ninety eight thousand one hundred and sixty three)	11983175 (One C nineteen lacs eighty three thousand one hundred and seventy six)
Seminars/Conferences/Workshops	228067 (Two lacs twenty eight thousand sixty seven)	151548 (One lacs fifty one thousand nine hundred forty eight)	98314 (nine eight thousand three hundred and fourteen)

IPR

Financial year	2017	2016	2015
No. of Patents Published	0	0	0
No. of Patents Granted	0	0	0

<https://nirn.nirf.edu.org/Declaration/Agree/ViewDCSData>

4/7



Signature
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCS),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

12/2019

All Reper-NHRD, National Institutional Ranking Framework (NIRF)

Sponsored Research Details

Financial Year	2017-18	2016-17	2015-16
Total no. of Sponsored Projects	0	3	7
Total no. of Funding Agencies	0	1	1
Amount Received (Amount in Rupees)	0	350000	920000
Amount Received in Words	Zero	Three lacs fifty thousands	Nine lacs twenty thousands

Consultancy Project Details

Financial Year	2017-18	2016-17	2015-16
Total no. of Consultancy Projects	0	0	0
Total no. of Client Organizations	0	0	0
Total Amount Received (Amount in Rupees)	0	0	0
Amount Received in Words	Zero	Zero	Zero

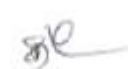
PCS Facilities: Facilities of physically challenged students

1. Do your institution buildings have lifts/ramps? Yes, more than 80% of the buildings
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students? Yes

<https://logn.nirf.in/india.org/Datacenter/Agree/ViewOCSSData>

5/7




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

10/2019

All Report-NIRF, National Institutional Ranking Framework (NIRF)

3. Do your institution buildings have specially designed toilets for handicapped students?

Yes, more than 80% of the buildings

Faculty Details

1. How many faculty members of your institution have received highly reputed national/international awards/recognition from Central government agencies in the previous 2017-18)? 0

Sno	Name	Age	Designation	Gender	Qualification	Experience (In Months)	Is Associated Last Year	Currently working with institution?	Joining Date	Leaving Date	Association type
1	Upadhye M C	36	Assistant Professor	Female	M. Pharm	156	Yes	Yes	08-08-2005	—	Regular
2	Dr More S D	37	Assistant Professor	Female	Ph.D	204	Yes	Yes	07-08-2007	—	Regular
3	Dr Dhole S N	43	Dean / Principal / Director / Vice Chancellor	Male	Ph.D	243	Yes	Yes	21-08-1998	—	Regular
4	Joshi S V	60	Associate Professor	Male	M. Pharm	396	Yes	Yes	01-05-2004	—	Regular
5	Dr Kashikar V S	38	Associate Professor	Female	Ph.D	185	Yes	Yes	02-08-2004	—	Regular
6	Tambe V S	40	Associate Professor	Female	M. Pharm	192	Yes	Yes	02-08-2004	—	Regular
7	Vichare V S	34	Assistant Professor	Female	M. Pharm	132	Yes	Yes	01-12-2007	—	Regular
	Chamshetti R R	37	Assistant Professor	Male	M. Pharm	162	Yes	Yes	03-07-2007	—	Regular

<https://nirf.nirfindex.org/Declaration/Agree/ViewOCSEData>

6/7



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

10/2019

AI Report-MHRD, National Institutional Ranking Framework (NRF)

9	Dr Ramteke K H	36	Associate Professor	Male	Ph.D	145	Yes	Yes	01-10- 2011	—	Regular
10	Jadhav P R	34	Assistant Professor	Male	M. Pharm	124	Yes	Yes	23-08- 2008	—	Regular
11	Alhat H P	37	Assistant Professor	Male	M. Pharm	148	Yes	Yes	01-08- 2006	—	Regular
12	Pujari R R	34	Assistant Professor	Female	M. Pharm	108	Yes	Yes	29-08- 2009	—	Regular
13	Dr Kulkarni N S	35	Assistant Professor	Male	Ph.D	120	Yes	Yes	04-12- 2008	—	Regular
14	Munde M K	34	Assistant Professor	Male	M. Pharm	108	Yes	Yes	20-08- 2009	—	Regular
15	Dr Kandekar U Y	34	Assistant Professor	Female	Ph.D	121	Yes	Yes	01-09- 2008	—	Regular
16	Bagade O M	34	Assistant Professor	Male	M. Pharm	108	Yes	Yes	25-08- 2011	—	Regular
17	Warad V A	56	Assistant Professor	Female	M. Pharm	336	Yes	Yes	03-10- 2005	—	Regular
18	Jadhav Vishnu	27	Assistant Professor	Male	M. Pharm	0	Yes	Yes	22-08- 2017	—	Adhoc / Contractual

tps://ogin.nirfinda.org/Dedation/Agree/ViewDCSData

7/7



S/R
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



National Institutional Ranking Framework
Ministry of Human Resource Development
Government of India

Gallery



HOME ABOUT NIRF PARAMETERS DOCUMENTS RANKING NOTIFICATION/ADVT FAQs CONTACT

India Rankings 2019: Pharmacy (Rank-band: 76-100)

Institution list in alphabetical order

Name	City	State
Anurag Group of Institutions	Hyderabad	Telangana
BCDA College of Pharmacy & Technology	Kolkata	West Bengal
C. U. Shah College of Pharmacy	Mumbai	Maharashtra
Columbia Institute of Pharmacy	Raipur	Chhattisgarh
Dadasaheb Baljande College of Pharmacy	Nagpur	Maharashtra
Galgotias University	Gautam Budh Nagar	Uttar Pradesh
Jokarapu Rangaraju College of Pharmacy	Hyderabad	Telangana
Gupta College of Technological Sciences	Asansol	West Bengal
Maharaj Shri Kumareswar College of Pharmacy	Bagalkot	Karnataka
Himalayan Pharmacy Institute	East Sikkim	Sikkim
K. B. Institute of Pharmaceutical Education and Research	Gandhinagar	Gujarat
KLE College of Pharmacy	Hubballi	Karnataka
KMCH College of Pharmacy	Coimbatore	Tamil Nadu
KVSR Siddhartha College of Pharmaceutical Sciences	Vijayawada	Andhra Pradesh
Mallika Pharmacy College	Tarsadi	Gujarat
Noida Institute of Engineering & Technology	Greater Noida	Uttar Pradesh
Oriental College of Pharmacy	Neve Mumbai	Maharashtra
PES Modern College of Pharmacy	Pune	Maharashtra
Ponda Education Society's Rajaram and Tarabai Bandekar College of Pharmacy	Ponda	Goa
S. E. T.'s College of Pharmacy	Dharwad	Karnataka
Sanskriti College of Pharmacy	Hyderabad	Telangana
Sanjivani College of Pharmaceutical Education and Research	Kopergaon	Maharashtra
Seven Hills College of Pharmacy	Tarupati	Andhra Pradesh
Sinhgad Technical Education Society's College of Pharmacy	Pune	Maharashtra
Sri Atichurichanagiri College of Pharmacy	B.G Nagara	Karnataka

Home | About NIRF | Parameters | Documents | Ranking | Notification/Advt | Public Perception | Contact

Copyright © 2017. National Institutional Ranking Framework (NIRF) MHRD. All rights reserved.



[Signature]
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Gallery | Login



National Institutional Ranking Framework
Ministry of Human Resource Development
Government of India



HOME ABOUT NIRF PARAMETERS DOCUMENTS RANKING NOTIFICATION/ADVT FAQS CONTACT

India Rankings 2018: Pharmacy (Rank-band: 76-100)

Institution list in alphabetical order

Name	City	State
Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of	Rupnagar	Punjab
BCDA College of Pharmacy & Technology	Kolkata	West Bengal
Gokaraju Rangaraju College of Pharmacy	Hyderabad	Telangana
Govt. College of Pharmacy	Aurangabad	Maharashtra
Guru Nanak Institute of Pharmaceutical Science & Technology	Kolkata	West Bengal
Gurunank College of Pharmacy	Nagpur	Maharashtra
J. S. College of Pharmacy	Ghaziabad	Uttar Pradesh
J. K. K. Natraja College of Pharmacy	Komarapalayam	Tamil Nadu
K. B. Institute of Pharmaceutical Education and Research	Gandhinagar	Gujarat
KIET Group of Institutions	Ghaziabad	Uttar Pradesh
Maharashtra College of Pharmacy	Nilanga	Maharashtra
Maliba Pharmacy College	Tarsadi	Gujarat
MVP Samsaj's College of Pharmacy	Nashik	Maharashtra
Nirmala College of Pharmacy	Mangalagiri	Andhra Pradesh
Noida Institute of Engineering and Technology (Pharmacy Institute)	Greater Noida	Uttar Pradesh
Oriental College of Pharmacy	Mumbai	Maharashtra
Periyar College of Pharmaceutical Sciences	Tiruchirappalli	Tamil Nadu
PES Modern College of Pharmacy	Pune	Maharashtra
Ponda Education Society's Rajaram and Tarabai Bandekar College of Pharmacy	Ponda	Goa
QIS College of Pharmacy	Ongole	Andhra Pradesh
Rungta College of Pharmaceutical Sciences & Research	Bhilai	Chhattisgarh
Shri G. S. Institute of Technology & Science	Indore	Madhya Pradesh
Sinhgad Technical Education Society's College of Pharmacy	Pune	Maharashtra
Sree Siddaganga College of Pharmacy	Tumkur	Karnataka
Vishnu Institute of Pharmaceutical Education and Research	Narsapur	Telangana

Home | About NIRF | Parameters | Documents | Ranking | Notification/Advt | FAQs | Contact

Copyright © 2017, National Institutional Ranking Framework (NIRF), MHRD. All rights reserved.



soje
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Indian Knowledge System

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

INDIAN KNOWLEDGE SYSTEM

- Courses, including Pharmacognosy-I, Pharmacognosy-II, Quality control and Standardization of Herbals, Herbal Drug Technology, Nutraceuticals and Dietary Supplements cover traditional systems of medicine.
- Medicinal garden is flourished with various types of medicinal plants.
- Library is enriched with books/journals on herbal medicines and Ayurvedic Pharmacopoeia.
- Research projects of B. Pharm and M. Pharm students are based on Indian traditional system of medicine.
- Organized two days state level workshop on Current Trends and Regulatory Requirement for Herbal Products.
- Sponsored and actively participated in organizing International Congress of Society for Ethnopharmacology (SFEC-2021) based on Ethnopharmacology and medicinal plants- Approach towards product development at Pune, India.
- Magazine, "PHARMABEATS...The Rising Stars" covers special section in Marathi/Hindi languages which includes poems, stories, thoughts, articles etc.
- Annual cultural festival includes a variety of Indian dances, regional dramas as well as musical performances which inculcate Indian culture among students.
- The students also perform various activities and street plays during National Service Scheme to promote Indian knowledge system.
- Celebration of Indian festivals, traditional days, International Yoga Day, Constitution Day etc. promotes diverse languages and cultures.

Thus, various activities including education, research and outreach programs integrate Indian traditional knowledge for holistic development of students.



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

B.Pharm Projects

Research projects having plants/phytoconstituents/extracts of indigenous medicinal plants

Project topic list 2019-20

Sr. No.	Name of faculty	Name of student	Topic Name
1	Ms. Upadhye M. C.	1. Simran Yadav 2. Gunjal Priya 3. Anjali	1. Preparation and evaluation of an important Polyhedral ayurvedic medicine: Drakshavleha 2. A study of Indian medicinal plants. 3. TISANES
2	Mr. Alhat H. P.	1. Ghanekar Shrutika 2. Rakhunde Rutuja	1. Validation parameter of herbal drug
3	Mr. Chanshetti R. R.	1. Nikita Bhilare 2. Aparna Patil 3. Aditi Chaudhari	1. Phytochemical investigation of Medicinal Plants 2. TLC study of Patala 3. Review on <i>Sterospermum Suaveolens</i>
4	Dr. Mhetre R. L.	1. Shweta Bhagwat 2. Umate Rutuja 3. Ashwini Dupargude	Formulation and evaluation of herbal products
5	MS. Taru P. P.	1. Shivani Zarkar 2. Snehal Kumbhar 3. Snehal Shinde	Herbal formulation
6	Ms. Raut D. R.	1. Gawali Prachi 2. Sakshi Jadhav 3. Nikita Chaudhari	Herbal formulation study of colouring agent obtained from plant source.



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Project titles list 2021-22

Sr. No.	Name of the guide	Name of the student	Title of the project
1	Mr. Chanshetti R. R.	<ul style="list-style-type: none"> • Experimental Pharmacology 1. Aishwarya Kadam 2. Snehal Gaikwad 3. Pranita Jadhav 4. Apurva Kate 5. Shraddha Bhagwat 	The experimental study of selected traditional rich medicinal plant leaves to explore bioactive compounds for anti-gout activity
2	Mrs. Bhalerao R. A.	<ul style="list-style-type: none"> • Computer Aided Drug Design 1. Pallavi Karad 2. Asha Chavan 3. Shubhangi Lokhande 4. Akshada Sabale 	<ol style="list-style-type: none"> 1. Andrographolide and it's pharmacological activities 2. Rutin and its pharmacological activities 3. Inulin review
3	Ms. Bhanage B.S.	<ul style="list-style-type: none"> • Cosmetic Science 1. Nikita Deokar 2. Komal Patil 3. Anjali Gite 4. Akshata Giri 1. Shrutika Karpe 	Formulation and Evaluation of Herbal Antiacne Emulgel
4	Ms. Patil S. K.	<ul style="list-style-type: none"> • Cosmetic Science 1. Mayuri Bhosale 2. Swapnali Zadke 3. Piyusha Pawar 4. Urmila Yewale 1. Akanksha Shinde 	Formulation and evaluation of polyherbal antiwrinkle cream
5	Mrs. Dongaonkar Chaitali	<ul style="list-style-type: none"> • Quality Control and Standardization of Herbals 	Standardization, Formulation and Evaluation of various antiacne herbal emulgel



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

		<ol style="list-style-type: none"> 1. Payal Maravade 2. Sushma Ture 3. Shwetal Alhat 4. Shruti Asawale 5. Shubhada Chavan 	
6	Mrs. Chintamani S. R.	<ul style="list-style-type: none"> • Experimental Pharmacology <ol style="list-style-type: none"> 1. Sayali Shelar 2. Snehal Borude 3. Arti Shejul 4. Pooja Bomshete 5. Monika Kute 	Anticancer activity of green silver nanoparticles of <i>Nulembo nucifera</i> on breast cancer.
7	Ms. Raut D. R.	<p>Quality Control and Standardization of Herbals</p> <ol style="list-style-type: none"> 1. Ashwini Palwe 2. Durga Pote 3. Sayali Pawar 4. Raksha Amle 5. Aishwaryaa Todkar 	Formulation of herbal antifungal formulations and their comparative study
8	MS. Taru P. P./ Kad Dhanshree	<p>Quality Control and Standardization of Herbals</p> <ol style="list-style-type: none"> 1. Yashda Mungase 2. Meera Vaidya 3. Gauri Khot 4. Divya Naik 5. Parnika Rajput 	Comparative evaluation of antimicrobial activity of aqueous extracts of stem and leaves part of Tridex
9	Ms. Aher Rutuja	<ul style="list-style-type: none"> • Cosmetic Science <ol style="list-style-type: none"> 1. Mayuri Pandit 2. Aditi Lakade 3. Sanskruti Khedkar 	Formulation and development of herbal face mist for antiinflammatory and skin rejuvenating action



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

		<ol style="list-style-type: none"> 4. Pooja Kamalu 5. Juveriya Momin 	
10	Ms. Tapkir M. H.	<ul style="list-style-type: none"> • Cosmetic Science <ol style="list-style-type: none"> 1. Rutuja Yadav 2. Pooja Pharate 3. Anuja Patil 4. Snehal Kamate 5. Preeti Sakore 	Formulation and evaluation of Oat(Avena sativa) moisturizing gel
11	Ms. Jadhav Shrutuja	<ul style="list-style-type: none"> • Experimental Pharmacology <ol style="list-style-type: none"> 1. Muskan Shah 2. Jinalkumari Sirvi 3. Snehal Tarade 4. Rohini Sante 5. Rutuja Gawade 	<ol style="list-style-type: none"> 1. A review on anti-inflammatory activity of herbal plants. 2. A review and survey on COVID-19
12	Joshi S. V.	<ul style="list-style-type: none"> • Quality Control and Standardization of Herbals <ol style="list-style-type: none"> 1. Vaishnavi Sukre 2. Asha Chavan 3. Siddhi Ghosalkar 4. Sakshi Ghule 	Review of herbal drugs for rheumatoid arthritis



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Project titles list 2022-23

Sr.No.	Name of guides	Name of students	Title of project
1	Dr. R. L. Mhetre	Rutuja Abhang Preeti zade Priya Dhokare Chormale Gitanjali Shruti Narkhede	Formulation and evaluation of herbal eye patch
2	Mrs. S.K. Patil	Mayuri Gadhave Shivani Kumbhare Rohini Game Nikita Sarode Siddhi Kumbhar	Formulation and evaluation of Herbal face serum
3	Ms. C. C. Dongaonkar	Aditi Kumavat Shravani Musale	Development of an effective emulgel formulation of Kojic acid for skin lightening and treatment of skin problems
		Mayuri Wale Nagare Ashwini Shubhangi Bachav	Standardization, formulation and evaluation of herbal hair dye
4	Mrs. B. S. Parande	Punam Dhumase Pallavi wagh Shinde komal Samiksha Thorat Sonal Suryawanshi	Formulation and evaluation of herbal toothpaste containing SESBANIA GRANDIFLORA (Hadga)
5	Ms. Priyanka Shinde	Prerna Raut Aishwarya Chaoudhari Priyanka Goswami Rohini Sathe Akanksha Phatangare Taware Rutuja Rahul	Formulation and evaluation of herbal dry powder antidandruff shampoo
6	Ms. M. G. Waykar	Rutuja Pawar Harshada Patil Shubhada Bhakre Susmita Gawade Sayali Bangar	Formulation and evaluation of herbal shampoo bars



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



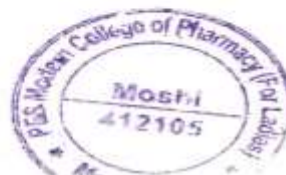
Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

7	Dr. V. S. Tambe	Nikita Jalsakare Utkarsha Ghodake Rutuja Varal Shubhangi Shinde Sakshi Wagh	Formulation and evaluation of age lock herbal serum by using dioscorea extract
8	Ms. R. S. Dhole	Samridhhi Dahiwal Ashwini Waghmare Janhavi More Ankita Mhetre Shivani Kedkar	Formulation and development of herbal lipstick
9	Mrs. Ketki Salve Patil	Ruchita Bagul Virakshi Nimbargi Bhavana Bute Aditi Dhadge Shweta Wangwad	Formulation and evaluation of solid perfume chapstick
10	Mr. R. S. Shivarkar	Pratiksha Mahanavar Snehal Pansare Pooja Kambale Bhakti Gurav Shraddha Jagtap	Formulation and evaluation of fast disintegration tablet containing blackberry root extract by QbD approach
11	Ms. D. R. Raut	Poonam Mahankar Akshada Gaware Sakshi Rakshe Neha Somwanshi Nazal Shaikh	Exploration of natural superdisintegrant: development and innovation
12	Ms. D. R. Kad	Purna Chavan Dawn Suchismita Shruti Bagade Monali Shelar Sneha Jadhav	Development and validation of simultaneous equation method for the estimation of curcumin and piperine from Curqmint tablet
13	Ms. A. S. Shinde and Dr. V.S. Vichare	Akanksha Sonawane Vaishnavi Shinde Namrata Chavan Anisha Phartale	Formulation and evaluation of herbal micro emulgel



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

		Neha Kad	
14	Mr. H. P. Alhat	Rutuja Walunj Vaishnavi chinchansure Hiral Girase Shashwati Kamble Pratiksha Raut	Review of brucellosis and veterinary drugs used in the treatment of ships and goats
15	Mr. R. R. Chanshetti	Vaishnavi Alhat Shreya Londhe	Antidiabetic activity of Stereospermum suaveolens sustained release herbal tablets in wistar rats Anxiolytic and antidepressant activity of SESAMUM INDICUM in experimental wistar rat animals
16	Ms. B. N. Atre	Ambika Khalure Vaishnavi Mankari Switi Wagh Vrunda Lokhande Sneha Vajale	Evaluation of antihistaminic and analgesic activity of plant extract in experimental animals
17	Ms. S. J. Mankar	Megha Shitole Pratiksha Ekal Rajshri Jadhav Vaishnavi Dhaygude Ahilya Pole	Screening of antidepressant activity of Mangifera Indica in Mice
18	Ms. P. G. Kakade	Vaishnavi Devane Tejal Gengaje Samruddhi Jagtap Anisha Pandit Sandhya Ghadge	Evaluation of anti-inflammatory activity of dill and turmeric in carrageenan induced paw edema in rats
19	Dr. P. B. Kothawade	Parveen Shaikh Sanskruiti Dongarkar Varsha Kokane Komal Narwade Achal Rahane	Comparative Molecular docking studies of Herbal plant SOPHORA FLAVESCENS for anti-cancer activity



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

M.Pharm

Sr.no.	Name of guide	Name of Student	Title
1.	Dr. V. S. Kashikar	Mundhe Priyanka	Evaluation of next-generation snakebite antivenom using TamarindusIndica seed coat extract for venomous snakes of India
2.	Dr. S.D. More	Wadhokar Anjali	Formulation and evaluation of polyherbal tablets against dengue fever
3.	Mrs. M.C. Upadhye	GaikwadMayuri	To Evaluate Antidiarrheal Potential of Root Extract "RubusFruticosus" Including Its Formulation.
4.	Mrs. V. S. Vichare	Jankar Nilam	Formulation development and evaluation of Tinosporacordifolia extract oral dosage form for improvement in solubility and Anti-inflammatory
5.	Mrs. V. S. Vichare	Sawant Tejashri .	Formulation development and evaluation of herbal antiallergic cream"
6.	Dr. S. D.More	Udasi Sanjivani	Design of topical cream containing berberisaristata and propolis for treatment of wound healing
7.	Dr. S. D.More	Patil Yugandhara	Formulation and evaluation of polyherbal conventional tablets
8.	Mrs. V. S. Vichare	Chate Shraddha	Herbal Bioscaffolds for improved cutaneous tissue regeneration
9.	Mrs. V. S. Vichare	Rokade Manasi	Study of BerberisAristata extract



(Signature)

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



8th

International Congress of
Society for Ethnopharmacology, India
(Globalizing local knowledge and localizing global technologies)

SFEC 2021

27th to 29th, AUGUST 2021

**THEME : Ethnopharmacology & Medicinal
Plants - Approach towards product development**

ORGANISED BY
SFE—INDIA PUNE CHAPTER
&

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)
POONA COLLEGE OF PHARMACY & ALL PHARMACY COLLEGES OF PUNE REGION

This certificate is awarded to

Professor/Dr. /Ms. /Mrs. /Mr. Shashikant Dhole
from.....for his / her contribution
as a Delegate/Volunteer at International Congress of Society for Ethnopharmacology,
India (SFEC 2021).



Dr. Sathiyarayanan L,
Organizing Secretary, SFE India

Dr. K. R. Mahadik,
LOC Chairman, SFE India

Mr. Birendra K. Sarkar
SFE President

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



8th

**International Congress of
Society for Ethnopharmacology, India**
(Globalizing local knowledge and localizing global technologies)

SFEC 2021

27th to 29th, AUGUST 2021

**THEME : Ethnopharmacology & Medicinal
Plants - Approach towards product development**

ORGANISED BY
SFE—INDIA PUNE CHAPTER
&

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)
POONA COLLEGE OF PHARMACY & ALL PHARMACY COLLEGES OF PUNE REGION

This certificate is awarded to

Professor/Dr. /Ms. /Mrs. /Mr. Nilesh Kulkarni
from.....for his / her contribution
as a Delegate/Volunteer at International Congress of Society for Ethnopharmacology,
India (SFEC 2021).



Dr. Sathyanarayanan L,
Organizing Secretary, SFE India

Dr. K. R. Mahadik,
LOC Chairman, SFE India

Mr. Birendra K. Sarkar
SFE President

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC)
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



8th

**International Congress of
Society for Ethnopharmacology, India**
(Globalizing local knowledge and localizing global technologies)

SFEC 2021

27th to 29th, AUGUST 2021

**THEME : Ethnopharmacology & Medicinal
Plants - Approach towards product development**

ORGANISED BY
SFE—INDIA PUNE CHAPTER
&

BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)
POONA COLLEGE OF PHARMACY & ALL PHARMACY COLLEGES OF PUNE REGION

This certificate is awarded to

Professor/Dr. /Ms. /Mrs. /Mr. Nilesh Kulkarni
from..... for his/her contribution as a
LOC-Chairman/Co-Chairman/Member of Hospitality Committee
.....at
International Congress of Society for Ethnopharmacology, India (SFEC 2021).

Dr. Sathiyarayanan L,
Organizing Secretary, SFE India

Dr. K. R. Mahadik,
LOC Chairman, SFE India

Mr. Birendra K. Sarkar
SFE President

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

UGC-Human Resource
Development Centre

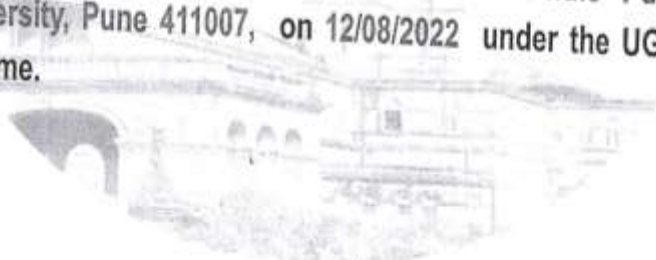


Savitribai Phule Pune
University



This is to Certify that

Mrs. Sneha Patil, Assistant Professor of PES Modern College of Pharmacy (for ladies), Moshi, Pune, affiliated to Pune, has participated in Online Workshop on NEP-2020 Implementation Plan under the component Promotion of Indian Knowledge Systems conducted by the UGC-Human Resource Development Centre ,Savitribai Phule Pune University, Pune 411007, on 12/08/2022 under the UGC scheme.




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Bornhadawati, AUPost-Moshi,
Tal. Haveli, Dist. Pune- 412 105


DIRECTOR

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Visit to Aloe Vera Farm at Markal

5/01/2019

During the NSS special camp, NSS volunteers of MCPL visited aloe vera farms in Markal village. There, they gained valuable information about the farming techniques of aloe vera and learned how to extract its juice. This goodwill visit allowed students to connect with the farmers of Markal village, fostering an awareness of their responsibilities towards the agricultural community. Additionally, they learned about the medicinal properties of aloe vera and explored ways in which these properties could help farmers increase their income through the medicinal uses of aloe vera.




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Intellectual Property Right

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

LIST OF PATENTS

SR.NO.	INVENTOR NAME	TITLE	DATE File/Publication/ Grant
1.	DR.SHASHIKANT Dhole	CAPSULE FILLING MACHINE	26/07/2023
2.	DR.MOHINI UPADHYE	DEVICE FOR EXTRACTION OF ACTIVE CONSTITUENTS FROM MEDICINAL PLANTS	19/10/2023
3.	DR.SHASHIKANT Dhole DR.NILESH S.KULKARNI	NEW POLYMERIC NANOPARTICLE FORMULATION FOR ENHANCED THERAPEUTIC DELIVERY	15/09/2023
4.	DR.VRUSHALI S.TAMBE	A NOVEL ANDROGRAPHIS COMPOSITION AND PROCESS FOR PREPARING THE SAME	12/05/2023
5.	MS. AMRUTA SHINDE	THE PROCESS OF PREPARATION OF VINEGAR BY AN AEROBIC CONDITION	24/02/2023
6.	DR.NILESH KULKARNI, MS.AMRUTA SHINDE	BOVINE COLOSTRUM INTERMEDIATE FORMULATION	27/02/2023
7.	MS.RANI Dhole, MR.OM BAGADE	NOVEL FORMULATION OF RASAGILINE MESYLATE RESTRAINING TRANSDERMAL PATCHES	08/04/2022
8.	DR.SHASHIKANT Dhole, MR.OM BAGADE	ATORVASTATIN CALCIUM LOADED NANOPOROUS DRUG DELIVERY SYSTEM AND METHOD THEREOF	05/02/2021
9.	DR.RAKSHA MHETRE	PROCEDURES FOR PREPARATION OF CO-	26/02/2021

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004


PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

		CRYSTALS OF CILNIDIPINE	
10.	DR.SHASHIKANT DHOLE MS.MOHINI C.UPADHYE	AN ANTIHYPERTENSIVE HERBAL COMPOSITION AND METHOD OF PREPARATION THEREOF	26/03/2021
11.	DR.SHASHIKANT DHOLE, MS.ARCHANA GADAKH, MRS.SONALI CHINTAMANI	AN ELECTROSPUN NANOFIBROUS FOR DETECTING CREATININE IN FLUID AND METHOD OF PREPARATION THEREOF	12/03/2021
12.	MS.BHAGYASHRI NARAYAN ATRE	A PHYTO-CONSTITUENT ENRICHED HERBAL COMPOSITION AND A PROCESS FOR PREPARING THE SAME	06/08/2021
13.	MS.SONALI B.DIWATE	CYTOTOXIC HERBAL SILVER NANOPARTICLES AS A REMEDY FOR MAMMARY CARCINOMA	27/11/2020
14.	DR.SHASHIKANT DHOLE, RAKSHA MHETRE	CILNIDIPINE NANOSUSPENSION	19/04/2019




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)




Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004


PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune




INTELLECTUAL PROPERTY INDIA
Research & Innovation (R&I) Support
www.ipindia.gov.in



सत्यमेव जयते

ORIGINAL
क्रम सं/ Serial No. : 152957



पेटेंट कार्यालय, भारत सरकार **The Patent Office, Government Of India**

डिजाइन के पंजीकरण का प्रमाण पत्र **Certificate of Registration of Design**


डिजाइन सं. / Design No.	:	391244-001
तारीख / Date	:	26/07/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

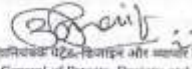
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *CAPSULE FILLING MACHINE* से संबंधित है, का पंजीकरण, श्रेणी 15-99 में 1.Dr. Boyapati Narasimha Rao 2. Mrs. Mortha.Lakshmi Prasanna 3.Dr. Pashikanti Shailaja 4.Dr. Nilesh Omprakash Chachda 5.Vibhavari Makarand Chatur 6.Dr. Shashikant N.Dhole 7.Dr. (Mrs.) Shilpa Pravin Chaudhari 8.Dr. Chetna Dipakkumar Modi 9.Mr. Kaushik R. Kamani 10.Patel Aradhana Dineshkumar 11.Dr. Ashish Majumdar 12.Dr. Manchineni Prasada Rao के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-99 in respect of the application of such design to *CAPSULE FILLING MACHINE* in the name of 1.Dr. Boyapati Narasimha Rao 2. Mrs. Mortha.Lakshmi Prasanna 3.Dr. Pashikanti Shailaja 4.Dr. Nilesh Omprakash Chachda 5.Vibhavari Makarand Chatur 6.Dr. Shashikant N.Dhole 7.Dr. (Mrs.) Shilpa Pravin Chaudhari 8.Dr. Chetna Dipakkumar Modi 9.Mr. Kaushik R. Kamani 10.Patel Aradhana Dineshkumar 11.Dr. Ashish Majumdar 12.Dr. Manchineni Prasada Rao.


डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

वारी करने की तिथि : 11/01/2024
Date of Issue :




माननीय कंट्रोलर पेटेंट, डिजाइन और वाणिज्य चिह्न
Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है उस देश का नाम। डिजाइन का स्वतंत्रिकार पंजीकरण की तारीख से दस वर्षों के लिए होम निर्यात विस्तार, अधिनियम एवं नियम के नियमों के अधीन, यदि कोई भी अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाही में अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।
The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



PRINCIPAL
PES Modern College of Pharmacy
Borhadewadi, A/Post Moshi
Tal.Haveli, Dist.Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6319980

Grant date: 28 October 2023

Registration date: 19 October, 2023

This is to certify that,

In pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Poonam Kumari, Dr. Kaushal Kumar, Madhu Bala, Narendra Singh Badore,

Shaija Dnyandeve Kadam, Chate Shraddha Rajendra, Aafin Khan, Dr.

Dharmendra Singh, Kiran Singh, Dr. Mohini Upadhye

in respect of the application of such design to:

Device for Extraction of Active Constituents from Medicinal Plants

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS
AND LABORATORIES

Adam Williams

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



mclp
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, A/Pest Moshi,
Tal. Haveli, Dist. Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/08/2023

(21) Application No.202311055769 A
(43) Publication Date : 15/09/2023

(54) Title of the invention : NEW POLYMERIC NANOPARTICLE FORMULATION FOR ENHANCED THERAPEUTIC DELIVERY

<p>(51) International classification :A61K0009510000, A61K0047020000, A61K0049000000, A61K0009500000, A61K0009127000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)ATUL PRATAP SINGH Address of Applicant :Vill Madhwapur Post Alawalpur -----</p> <p>2)Alard College Of pharmacy Pune Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Lipsi chauhan Address of Applicant :Alard College Of pharmacy Pune, Pune -----</p> <p>2)Vihavari M Chatur Address of Applicant :Alard College Of pharmacy Pune Pune -----</p> <p>3)Krishna S Yadav Address of Applicant :Alard College Of pharmacy Pune Pune -----</p> <p>4)Harshada Akshay Shewale Address of Applicant :Alard College Of pharmacy Pune Pune -----</p> <p>5)Sudha Mahaka Address of Applicant :Alard College Of pharmacy Pune Pune -----</p> <p>6)Archana Annasaheb Nagare Address of Applicant :Alard College Of pharmacy Pune Pune -----</p> <p>7)Sakib Shikalgar Address of Applicant :Alard College of pharmacy pune Pune -----</p> <p>8)Dr.Shashikant N.Dhole Address of Applicant :PES Modern College Of Pharmacy(For Ladies),Moshi, Pune Pune -----</p> <p>9)Dr. Nilesh Shrikant Kulkarni Address of Applicant :PES Modern college of Pharmacy For Ladies Moshi Pune Pune -----</p> <p>10)Dhiraj V. Panke Address of Applicant :RMDIPER, Chinchwad,Pune Pune -----</p>
---	--

(57) Abstract :
In this study, we introduce a cutting-edge polymeric nanoparticle formulation designed for optimized therapeutic delivery. Utilizing a unique blend of biocompatible polymers, our formulation demonstrates superior encapsulation efficiency and ensures precise targeting to specific tissues. Our innovative approach capitalizes on controlled release mechanisms, ensuring a steady therapeutic action, thereby enhancing treatment outcomes. Preliminary in vitro and in vivo analyses indicate a significant reduction in potential adverse reactions, setting a new benchmark for nanoparticle-based drug delivery systems. This novel formulation has the potential to revolutionize therapeutic interventions by maximizing efficacy while mitigating the drawbacks associated with conventional delivery methods.

No. of Pages : 9 No. of Claims : 2

The Patent Office Journal No. 37/2023 Dated 15/09/2023

60926
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies) -
Borhadewadi, At/Post Moshi
Tal.Haveli, Dist.Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

(12) PATENT APPLICATION PUBLICATION (21) Application No.202121051051 A
(19) INDIA
(22) Date of filing of Application :08/11/2021 (43) Publication Date : 12/05/2023

(54) Title of the invention : A NOVEL ANDROGRAPHIS COMPOSITION AND A PROCESS FOR PREPARING THE SAME

<p>(51) International classification :A61K0036190000, C04B0035450000, C09J0153000000, A61K0036480000, H01L0027120000</p> <p>(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)DR. VRUSHALI S. TAMBE Address of Applicant :A/P, PES Modern College of Pharmacy (For Ladies), Moshi, Borhadewadi, Dehu-Alandi Road Tal. Haveli A/P Moshi, Pune - 412 105 Maharashtra India</p> <p>2)DR. ARCHANA M KARNIK</p> <p>(72)Name of Inventor : 1)DR. VRUSHALI S. TAMBE 2)DR. ARCHANA M KARNIK 3)PRERANA DONGRE 4)PRAGATI DAIN 5)ANUPA WAGH 6)MAYURI MORE</p>	
--	---	--

(57) Abstract :
A NOVEL ANDROGRAPHIS COMPOSITION AND A PROCESS FOR PREPARING THE SAME ABSTRACT The present disclosure relates to a novel Andrographis composition comprising of A. paniculata extract; at least one sustain release polymer; and at least one pharmaceutically acceptable excipient. The A. paniculata extract contain andrographolide at a proportion ranging from 10% to 30%, the ratio of the sustain release polymer to the A. paniculata extract ranges between 1:0.8 and 1:3.35. The present disclosure further discloses a process for preparing novel Andrographis composition.

No. of Pages : 16 No. of Claims : 10

The Patent Office Journal No.19/2023 Dated 12/05/2023

36285



(Signature)
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, A/P Post Moshi
Tal. Haveli, Dist. Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

SOUTH AFRICAN PATENT APPLICATION FILING DETAILS

OUR CASE: P59173ZA00 **YOUR CASE:** 2006
APPLICATION NO.: 2023/02772
APPLICATION DATE: 27 February 2023
APPLICANT(S): GILDA, Suhit Shirish
SHINDE, Shital Aniket
SHINDE, Amruta Suyash
CHAVAN, Sushila Dagadu
PAWAR, Shubhangi Hemraj
SHINDE, Namdeo Ganpat
INVENTOR(S): GILDA, Suhit Shirish
SHINDE, Shital Aniket
SHINDE, Amruta Suyash
CHAVAN, Sushila Dagadu
PAWAR, Shubhangi Hemraj
SHINDE, Namdeo Ganpat
TITLE: THE PROCESS OF PREPARATION OF VINEGAR BY AN AEROBIC
CONDITION
OUTSTANDING DOCUMENTS: Declaration and Power of Attorney (Form P3)
Statement on Biological or Genetic Resource (Form P.26)
PLEASE NOTE
(a) All items are required for filing at the Patent Office by 27 August 2023. Please furnish the full names and capacity of the authorised signatory(ies) on Form P3 and P26.
(b) Additional charges will be incurred for the late filing of outstanding documents or if all outstanding documents are not filed simultaneously.




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, A/Post Moshi
Tal. Haveli, Dist. Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

SOUTH AFRICAN PATENT APPLICATION FILING DETAILS

OUR CASE: P59172ZA00 **YOUR CASE:** 2005
APPLICATION NO.: 2023/02765
APPLICATION DATE: 27 February 2023
APPLICANT(S): GILDA, Suhit Shirish
SHINDE, Amruta Suyash
CHAVAN, Sushila Dagadu
SHINDE, Shital Aniket
KULKARNI, Nilesh Shrikant
PAWAR, Shubhangi Hemraj
PATIL, Rupali Arun
INVENTOR(S): GILDA, Suhit Shirish
SHINDE, Amruta Suyash
CHAVAN, Sushila Dagadu
SHINDE, Shital Aniket
KULKARNI, Nilesh Shrikant
PAWAR, Shubhangi Hemraj
PATIL, Rupali Arun
TITLE: BOVINE COLOSTRUM INTERMEDIATE FORMULATION
OUTSTANDING DOCUMENTS: Declaration and Power of Attorney (Form P3)
Statement on Biological or Genetic Resource (Form P.26)
PLEASE NOTE
(a) All items are required for filing at the Patent Office by 27 August 2023. Please furnish the full names and capacity of the authorised signatory(ies) on form P3 and P26.
(b) Additional charge will be incurred for the late filing of outstanding documents or if all outstanding documents are not filed simultaneously.




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies) -
Bornacewadi, A/P/Col Moshi
Tal.Haveli, Dist.Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

(12) PATENT APPLICATION PUBLICATION (21) Application No.202221015302 A
(19) INDIA
(22) Date of filing of Application :20/03/2022 (43) Publication Date : 08/04/2022

(54) Title of the invention : NOVEL FORMULATION OF RASAGILINE MESYLATE RESTRAINING TRANSDERMAL PATCHES

<p>(51) International classification :A61K0009160000, A61K0009700000, A61K0009200000, A61K0031496000, A61K0047320000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Prakash Ishwar Nargatti Address of Applicant :Annasaheb Dange College of D pharmacy Ashta Sangli Maharashtra India 416301 -----</p> <p>2)Miss Rani Shantilal Dhole 3)Miss Srutuja Sunil Jadhav 4)Mr. Om Mahadev Bagade 5)Dr.Shashikant Nivrutti Dhole</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Prakash Ishwar Nargatti Address of Applicant :Annasaheb Dange College of D pharmacy Ashta Sangli Maharashtra India 416301 -----</p> <p>2)Miss Rani Shantilal Dhole Address of Applicant :Modern College of Pharmacy (for Ladies) Moshi, Pune Maharashtra India 412 105 -----</p> <p>3)Miss Srutuja Sunil Jadhav Address of Applicant :Modern College of Pharmacy (for Ladies) Moshi, Pune Maharashtra India 412 105 -----</p> <p>4)Mr. Om Mahadev Bagade Address of Applicant :Modern College of Pharmacy (for Ladies) Moshi, Pune Maharashtra India 412 105 -----</p> <p>5)Dr.Shashikant Nivrutti Dhole Address of Applicant :Modern College of Pharmacy (for Ladies) Moshi, Pune Maharashtra India 412 105 -----</p>
---	---

(57) Abstract :

Abstract The present invention is focused on emerging transdermal patches of rasagilinesesylate which mends to overcome demerits observed in oral route. Patches prepared by solvent evaporation technique. Central composite design has used. Rasagilinesesylate is potent monoamine oxidase-β inhibitor antiparkinsonian drug. Transdermal patches were prepared by applying central composite design to optimize various formulation parameters. The interactions between drug and excipients were revealed by infrared spectra. Patches of different ratios were prepared by solvent evaporation technique by using ethyl cellulose (X1) as a polymer. Dibutyl phthalate (15%) (X2) was used as plasticizer, methanol as a solvent & sonication time (X3) maintained for different period of time. Amount of ethyl cellulose, Dibutyl phthalate and sonication time were selected as independent variables while folding endurance (75 ± 1.01), thickness (330 ± 0.5 μm), and drug content (80 ± 0.8%) were selected as independent variables. The patches evaluated for weight variation (175 ± 3.5 mg), content uniformity, skin irritation study, surface pH (7.4), swelling index (10 ± 2.5%), scanning electron microscopy, accelerated stability study etc. To conclude, solvent evaporation technique is a promising strategy in improving dissolution of poorly water soluble drugs.

No. of Pages : 40 No. of Claims : 4

The Patent Office Journal No. 14/2022 Dated: 08/04/2022



21662

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies) -
Borhadewadi, A/Post Moshi -
Tal.Haveli, Dist.Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

(12) PATENT APPLICATION PUBLICATION (21) Application No.202021026106 A
(19) INDIA
(22) Date of filing of Application :21/06/2020 (43) Publication Date : 05/02/2021

(54) Title of the invention : ATORVASTATIN CALCIUM LOADED NANOPOROUS DRUG DELIVERY SYSTEM AND METHOD THEREOF *

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:A61K0047690000, A61K0009200000, A61K0047020000, A61K0009140000, C07D0207340000 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant : 1)Praveen Digambar Chaudhari Address of Applicant :PES Modern College of Pharmacy, Yamuna Nagar, Nigdi, Pune-411044, Maharashtra, India Maharashtra India 2)Om Mahadeorao Bagade 3)Shashikant Nivrutti Dhole (72)Name of Inventor : 1)Om Mahadeorao Bagade 2)Shashikant Nivrutti Dhole 3)Praveen Digambar Chaudhari
---	--	---

(57) Abstract :
The present invention relates to pharmaceutical composition comprising atorvastatin calcium loaded nanoporous drug delivery system optionally with pharmaceutical acceptable excipients. Further invention relates to process for preparation thereof.

No. of Pages : 27 No. of Claims : 10

The Patent Office Journal No. 06/2021 Dated 05/02/2021




 PRINCIPAL
 PES Modern College of Pharmacy
 (For Ladies)
 Borhadevasti, A/Post Mashi,
 Tal.Haveli, Dist.Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

(12) PATENT APPLICATION PUBLICATION (21) Application No.202121005191 A
(19) INDIA
(22) Date of filing of Application :07/02/2021 (43) Publication Date : 26/02/2021

(54) Title of the invention : PROCESS FOR PREPARATION OF CO-CRYSTALS OF CILNIDIPINE •

<p>(51) International classification :A61K0031442200, A61K0009280000, A61K0009200000, A61K0009510000, A61P0009000000</p> <p>(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No. Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Vishal Bhanudas Hol Address of Applicant :Department of Pharmaceutics, MAEER™s Maharashtra Institute of Pharmacy, Savitribai Phule Pune University, Pune, Maharashtra, India 411038 Maharashtra India (72)Name of Inventor : 1)Dr Raksha Laxman Mhetre 2)Vishal Bhanudas Hol 3)Dr Alpna Pradeep Kulkarni</p>
--	---

(57) Abstract :
The invention relates to co-crystals of cilnidipine, a preparation method and application thereof. Comprehensive characterization of the co-crystals of the cilnidipine is performed by applying means such as Powder X-ray diffraction analysis, differential scanning calorimetry and infrared spectroscopic analysis, and in-vivo study show that the maximum plasma concentration to increase bioavailability. The method of preparation of the co-crystals cilnidipine formulation is simple and improved physico-chemical properties.

No. of Pages : 25 No. of Claims : 6

The Patent Office Journal No. 09/2021 Dated 26/02/2021



[Signature]

9697

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies) •
Borhadewadi, AV/Post Moshi
Tal.Haveli, Dist.Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121012208 A

(19) INDIA

(22) Date of filing of Application :22/03/2021

(43) Publication Date : 26/03/2021

(54) Title of the invention : TITLE: AN ANTIHPERGLYCAEMIC HERBAL COMPOSITION AND METHOD OF PREPARATION THEREOF

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:A61K0036600000, A23L0029300000, A61K0031440000, A23L0005000000, A61K0031560000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Ms.Mohini C.Upadhye Address of Applicant :PESTMs Modern College of Pharmacy(For Ladies), Moshi, Pune- 412105, Maharashtra India Maharashtra India</p> <p>2)Dr. Uday A. Deokate</p> <p>3)Dr.Gajanan R. Ekbote</p> <p>4)Dr. Shashikant N. Dhole</p> <p>5)Dr.Rohini R.Pujari</p> <p>6)Mrs. Sonali R. Chintamani</p> <p>(72)Name of Inventor :</p> <p>1)Ms.Mohini C.Upadhye</p> <p>2)Dr. Uday A. Deokate</p> <p>3)Dr.Gajanan R. Ekbote</p> <p>4)Dr. Shashikant N. Dhole</p> <p>5)Dr.Rohini R.Pujari</p> <p>6)Mrs. Sonali R. Chintamani</p>
---	---	---

(57) Abstract :

TITLE: AN ANTIHPERGLYCAEMIC HERBAL COMPOSITION AND METHOD OF PREPARATION THEREOF. ABSTRACT: An antihyperglycaemic herbal composition and method of preparation thereof which is disclosed herein, referring to fig.10 prepares the herbal ethanolic extract of ficus glomerulata roots by continuous hot extraction process followed by fractionation by liquid-liquid extraction, developed and validated by HPTLC method for simultaneous estimation of lupeol and quercetin, further evaluated for antihyperglycaemic activity using alloxan induced diabetic rats in order to estimate decrease in blood glucose levels significantly. Figure 10

No. of Pages : 25 No. of Claims : 5

The Patent Office Journal No. 13/2021 Dated 26/03/2021



15338
PRINCIPAL

PES Modern College of Pharmacy
(For Ladies) -
Borhadawadi, At/Post Moshi,
Tal.Haveli, Dist.Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

(12) PATENT APPLICATION PUBLICATION (21) Application No.202121009218 A
(19) INDIA
(22) Date of filing of Application :05/03/2021 (43) Publication Date : 12/03/2021

(54) Title of the invention : AN ELECROSPUN NANOFIBROUS MEMBRANE FOR DETECTING CREATININE IN FLUID AND METHOD OF PREPARATION THEREOF

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:D01D0005000000, D04H0001728000, G01N0033700000, B01D0069100000, B01J0020260000 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant : 1)Ms.Archana Gadakh Address of Applicant :PESTM TM Modern College of Pharmacy(For Ladies), Moshi, Pune- 412105, Maharashtra India Maharashtra India 2)Dr.Gajanan Ekbote 3)Dr. Shashikant Dhole 4)Dr. Kiran Kharat 5)Mrs. Sonali Chintamani (72)Name of Inventor : 1)Ms.Archana Gadakh 2)Dr.Gajanan Ekbote 3)Dr. Shashikant Dhole 4)Dr. Kiran Kharat 5)Mrs. Sonali Chintamani
---	---	---

(57) Abstract :
Title: AN ELECROSPUN NANOFIBROUS MEMBRANE FOR DETECTING CREATININE IN FLUID AND METHOD OF PREPARATION THEREOF
ABSTRACT: An electrospun nanofibrous membrane (Fig.2) for detecting creatinine in fluid and method of preparation thereof is disclosed herein. This electrospun nanofibrous membrane of copper comprising an embodiment polyacrylonitrile nanofiber membrane prepared by electrospinning technology. The nanofiber membrane facilitates the rapid detection of creatinine. Usage of this technique proves to be very cost-effective, less laborious and time saving technique for the creatinine detection. FIG 2

No. of Pages : 18 No. of Claims : 2



The Patent Office Journal No. 11/2021 Dated 12/03/2021 Page 12796

PRINCIPAL
 PES Modern College of Pharmacy
 (For Ladies) :-
 Borhadewadi, A/Post Moshi
 Tal.Haveli, Dist.Pune - 412105

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

(12) PATENT APPLICATION PUBLICATION (21) Application No.202021004911 A
(19) INDIA
(22) Date of filing of Application :04/02/2020 (43) Publication Date : 06/08/2021

(54) Title of the invention : A PHYTO-CONSTITUENT ENRICHED HERBAL COMPOSITION ANDA PROCESS FOR PREPARING THE SAME

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:A61K0036906800, A61K0009107000, A01N0025300000, A61K0047440000, A61K0008360000 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant : 1)Dr. Kakasaheb Ramoo Mahadik Address of Applicant :Bharati Vidyapeeth Deemed University, Poona College of Pharmacy, Erandwane, Pune- 411038, Maharashtra, India Email: krmahadik@rediffmail.com Maharashtra India 2)Dr. Arulmozhi S. 3)Ms. Bhagyashri Narayan Atre (72)Name of Inventor : 1)Ms. Bhagyashri Narayan Atre 2)Dr. Arulmozhi S. 3)Dr. Kakasaheb Ramoo Mahadik 4)Dr. Vividha V Dhapte 5)Dr. Sathyanarayanan L.
---	--	--

(57) Abstract :

A phytoconstituent enriched herbal composition comprising; at least one water-insoluble Active Phyto-Constituent (APC); at least one lipid; at least one surfactant; and at least one co-surfactant. Characterized in that, the ratio of lipid to APC ranges from 1:200 to 1:500; the ratio of APC: surfactant: cosurfactant ranges between 200:0.2:0.8 and 500:0.4:0.6; particle size of the composition ranging between 80 and 150 nm; concentration of APC in composition ranges from 6 to 26%; emulsification time ranges from 30 to 60 seconds; and stability with respect to phase separation on dilution with water ranges from 25 to 100 parts . A process for preparing a phyto-constituent enriched herbal composition, wherein said method comprises the following steps: mixing Zingiber officinale powder with at least one lipid at a ratio ranging between 1:200 to 1:500 followed by vortexing for a time period ranging between 10 minutes and 15 minutes to obtained a mixture containing water-insoluble APC; centrifuging the mixture at revolutions ranging from 8000 to 12000 rpm for a time period ranging between 25 and 40 minutes at a temperature ranging from 25 to 35OC to sediment the marc of Zingiber officinale powder from the mixture to obtain the extract of water-insoluble APC; and mixing at least one surfactant and at least one co-surfactant with the extract of water-insoluble APC to obtain a phyto-constituent enriched herbal composition. The solubility of water insoluble constituent is achieved by use of at least one lipid, one surfactant and one cosurfactant. A nonionic water soluble surfactant for lipid based formulations solubilize and increase oral bioavailability of poorly water soluble APCs, emulsifies in aqueous media forming a coarse dispersion. Combination of lipid Labrafil (HLB 9) and surfactant Tween 80 (HLB-15 hydrophilic) that is one with high HLB and cosurfactant Span 80 (HLB-4 lipophilic) gives emulsion by decreasing surface tension between phases of emulsion.

No. of Pages : 22 No. of Claims : 10

The Patent Office Journal No. 32/2021 Dated

06/08/2021

PRINCIPAL

34871



PES Modern College of Pharmacy
(For Ladies) -
Borhadewadi, A/Post Maharashtra
Tal. Haveli, Dist. Pune - 412106.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

<http://ipindia.nic.in/index.htm>



**INTELLECTUAL
PROPERTY INDIA**
INTELLECTUAL DESIGN TRADE MARK
GEOGRAPHICAL INDICATIONS

<http://ipindia.nic.in/index.htm>

Application Details

APPLICATION NUMBER	201821024500
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/07/2018
APPLICANT NAME	Raksha Laxman Mhetre
TITLE OF INVENTION	CILNIDIPINE NANOSUSPENSION
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	tmindia123@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tmindia123@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/04/2019

Application Status

APPLICATION STATUS

Awaiting Request for Examination



View Documents

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



**INTELLECTUAL
PROPERTY INDIA**
PATENTS DESIGN TRADE MARKS
GEOGRAPHICAL INDICATIONS

(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	201821024500
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/07/2018
APPLICANT NAME	Raksha Laxman Mhetre
TITLE OF INVENTION	CILNIDIPINE NANOSUSPENSION
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	tmindia123@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tmindia123@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/04/2019

Application Status

APPLICATION STATUS

Awaiting Request for Examination



[View Documents](#)

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Ghole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

IPR WORKSHOPS ATTENDED BY FACULTY

Sr. No.	Name of faculty	Title of the event	Date	Place
1.	Dr V.S. Tambe	Patent law for engineers and scientists	01/01/2022-30/04/ 2022	NPTEL
2.	Dr V.S. Tambe	Promoting access to medical technologies and innovation	01/03/2021-03/04/2021	WIPO
3.	Mrs. S.J. Mankar	Role of regulatory affairs in pharmaceutical industry	22/05/2021-27/05/2021	R C Patel Institute of Pharmaceutical Education and Research, Shirpur
4.	Ms. S K Patil	Current trends in regulation and export of herbal medicine	23/12/2022	Sable College of Pharmacy, Pune
5.	Ms. M.H. Tapkir	National Intellectual Property Awareness Mission	21/02/2022	Intellectual Property Office, India
6.	Dr R.R.Pujari	Best Practices in Innovation IPR & Patents in pharma	26/05/2020-27/05/2020	Sharadchandra Pawar College of Pharmacy, Otur




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, A/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.

Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCO),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

IPR WORKSHOPS ATTENDED BY STUDENTS

Sr.No.	Name of Faculty	Title of the event	Date	Place
1.	Ms. Kamble Pooja	Patent Law	24/05/2023	Online by University of Pennsylvania and offered through Coursera
2.	Ms. Kamble Pooja	Introduction To Intellectual Property	22/05/2023	Online by University of Pennsylvania and offered through Coursera
3.	Ms.Mahanevar Pratiksha	Introduction To Intellectual Property	22/05/2023	Online by University of Pennsylvania and offered through Coursera
4.	Ms.Borchate Dhanash	IP Awareness / Training Program	07/04/2023	Intellectual Property Office, India
5.	Ms.Jankar Nilam	IP Awareness / Training Program	20/01/2023	Intellectual Property Office, India
6.	Ms.Gaikwad Mayuri	IP Awareness / Training Program	20/01/2023	Intellectual Property Office, India
7.	Ms. Wagh Sakshi	National Intellectual Property Awareness Mission	23/07/2022	Intellectual Property Office, India
8.	Ms.Shitole Megha	IP Awareness / Training Program	16/11/2022	Intellectual Property Office, India
9.	Ms.Shinde Priyanka	IPR Awareness Programme	26/04/2020	Pravara Rural Education Society's College of Pharmacy (For Women)
10.	Ms.Bangar Sayali	Intellectual Property Rights : Emerging Issues And Challenges	28/02/2020	D.Y.Patil Law College Pimpri Pune -18
11.	Ms.Potdar Sandhya	Current Trends and Regulatory Requirements for Herbal Products	07/02/2020 - 08/02/2020	PES's Modern College Of Pharmacy (For Ladies), Moshi Pune
12.	Ms.Shinde Shubda	Current Trends and Regulatory Requirements for Herbal Products	07/02/2020 - 08/02/2020	PES's Modern College Of Pharmacy (For Ladies), Moshi Pune
13.	Ms.Kadam Pratiksha	Current Trends and Regulatory Requirements for Herbal Products	07/02/2020 - 08/02/2020	PES's Modern College Of Pharmacy (For Ladies), Moshi Pune
14.	Ms.Sandya Potdar	Current Trends and Regulatory	07/02/2020	PES's Modern College Of Pharmacy (For Ladies),



Criterion 3 - Research, Innovations and Extension



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

		Requirements for Herbal Products	08/02/2020	Moshi Pune
15.	Ms.Konde Sonal	Current Trends and Regulatory Requirements for Herbal Products	07/02/2020 - 08/02/2020	PES's Modern College Of Pharmacy (For Ladies), Moshi Pune
16.	Ms.Sutar Snehal	Current Trends and Regulatory Requirements for Herbal Products	07/02/2020 - 08/02/2020	PES's Modern College Of Pharmacy (For Ladies), Moshi Pune
17.	Ms. Patil Priyanka	Intellectual Property Patents Copyrights Trademarks GI Prospects and Challenges	11/ 1/2019 - 12/ 1/2019	MarathwadaMitraMandal's College of Pharmacy Thergaon Pune -33
18.	Ms.SawantTejashri	Intellectual Property Patents Copyrights Trademarks GI Prospects and Challenges	11/ 1/2019- 12/ 1/2019	MarathwadaMitraMandal's College of Pharmacy Thergaon Pune -33
19.	Handargule Priyanka	Intellectual Property Patents Copyrights Trademarks GI Prospects and Challenges	11/ 1/2019- 12/ 1/2019	MarathwadaMitraMandal's College of Pharmacy Thergaon Pune -33



rdh/p
PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105.



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22HS29S14061308
To
DR VRUSHALI TAMBE
MODERN COLLEGE OF PHARMACY FOR LADIES
MOSHI, DEHU - ALANDI ROAD, BORHADEWADI
PUNE
MAHARASHTRA - 412305
PH. NO -919960709992



Score	Type of Certificate
>=80	Elite+Gold
75-80	Elite+Silver
>=60	Elite
40-60	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite
NPTEL Online Certification
(Funded by the MoE, Govt. of India)



This certificate is awarded to
DR VRUSHALI TAMBE
for successfully completing the course



Patent Law for Engineers and Scientists

with a consolidated score of **94** %

Online Assignments	21.88/25	Proctored Exam	72.53/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **588**

Devendra Jalihal
Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2022
(12 week course)

Andrew Thangara
Prof. Andrew Thangara
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No:NPTEL22HS29S14061308

To validate and check scores: <https://npTEL.ac.in/ncc>



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/2002/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



TRI-LATERAL COURSE

CERTIFICATE

This is to certify that

Vrushali Tambe

has successfully completed
the distance learning course on

**PROMOTING ACCESS TO MEDICAL TECHNOLOGIES AND
INNOVATION - A WHO, WIPO, WTO EXECUTIVE COURSE ON THE
INTERSECTIONS BETWEEN PUBLIC HEALTH, INTELLECTUAL
PROPERTY AND TRADE**

from March 1 to April 3, 2021

Anshu Tambe
Director,
Intellectual Property
Development Programme Office,
World Trade Organization

G. R. Ekbote
Executive Officer,
Public Health, Innovation and
Intellectual Property Centre,
World Health Organization

G. R. Ekbote
Executive Officer,
WIPO Academy





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



PUNE DISTRICT EDUCATION ASSOCIATION'S
SETH GOVIND RAGHUNATH SABLE
COLLEGE OF PHARMACY,
SASWAD



CERTIFICATE

This is to certify that, Dr./Mr./Mrs./Ms. Sneha Patil from PES Modern college of pharmacy (for ladies), Moshi attended a National Webinar on "Current Trends in Regulation and Export of Herbal Medicines" held on 23rd December 2022.

Mr. V.C. Shilimkar

Co-ordinator



Our Patron: Padmavibhushan Hon.
Sharadchandraji Pawarsaheb, Ex. Agriculture
Minister, Govt. of India.

Dr. R.S. Chavan

Principal



PRINCIPAL for free with Certify'em
PES Modern College of Pharmacy
(For Ladies)
Borhadiwadi, AU Post-Moshi,
Tal.-Haveli, Dist. Pune- 412 105



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Shri Gajanan Maharaj Shikshan Prasarak Mandal's,

Sharadchandra Pawar College of Pharmacy
Dumbarwadi (Otur), Tal-Junnar, Dist- Pune 412409, Maharashtra



TWO DAYS e-FDP WEBINAR
CERTIFICATE OF APPRECIATION



Rohini Pujari

has participated in TWO DAYS e-FDP WEBINAR ON "BEST PRACTICES IN
INNOVATION IPR AND PATENTS IN PHARMA" on 26/05/2020 & 27/05/2020

Mantry
Dr. Shubhrajit Mantry
Organizing Secretary

Sumit A.
Dr. Sumit A.
Programme Coordinator

Wakale
Vijaykumar Wakale
Programme Co-coordinator

Vijay
Mr. Vijaykumar Shivpuje
Speaker

Ganesh Y. Dama
Dr. Ganesh Y. Dama
Principal
PES Modern College of Pharmacy
(For Ladies)
Dumbarwadi, Post-Moshi,
Tal-Junnar, Dist-Pune-412 102



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

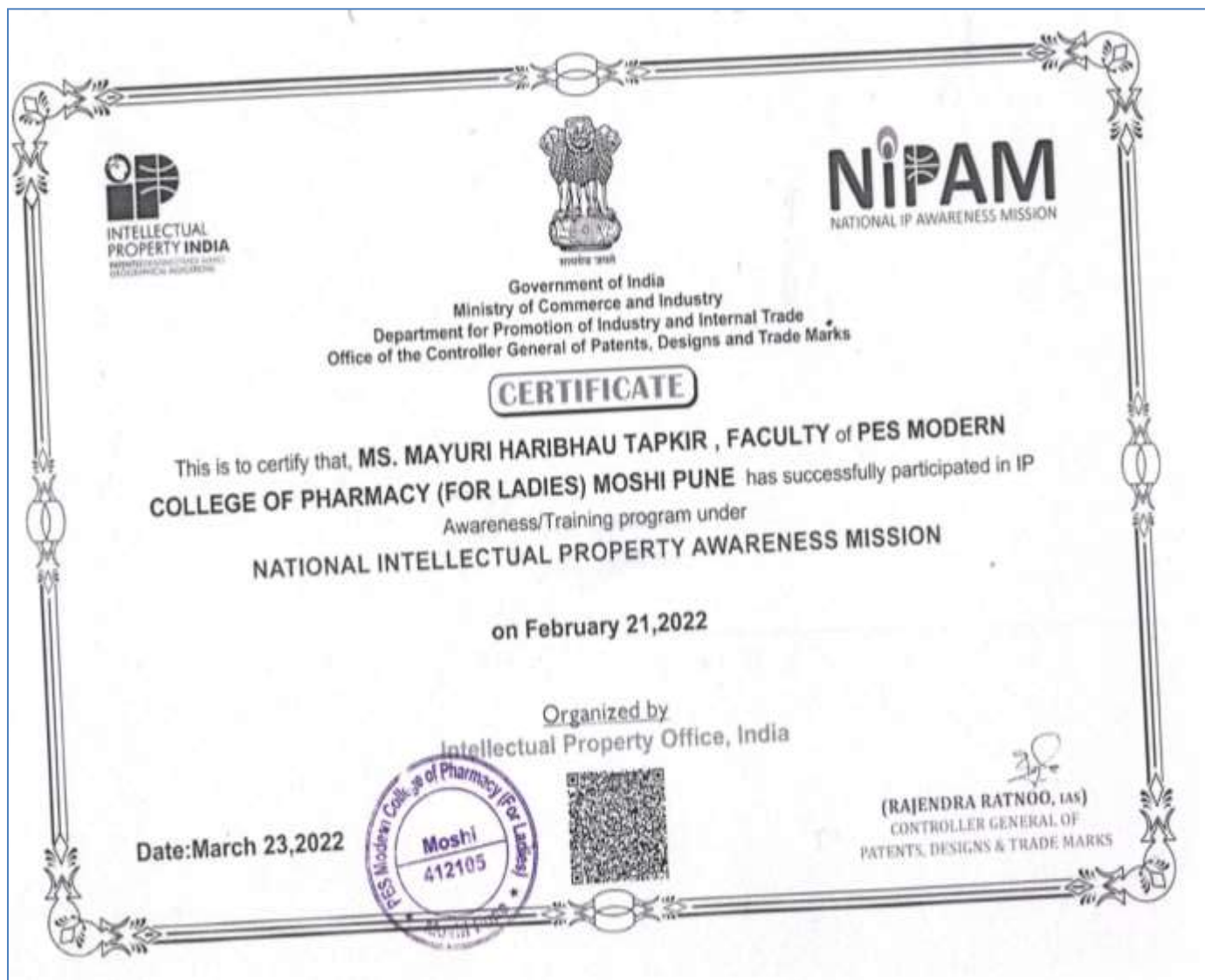


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Ministry of
Education
Government of India



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



NIPAM
NATIONAL IP AWARENESS MISSION



Ministry of Commerce
and Industry
Government of India

CERTIFICATE

This is to certify that, **MS. SAKSHI KISAN WAGH** of **PES'S MODERN COLLEGE OF PHARMACY (FOR LADIES), MOSHI, PUNE** has successfully participated in IP Awareness/Training program under

NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION

on July 23, 2022

Jointly Organized by

Intellectual Property Office and MoE's Innovation Cell, India

Abhay Jere

(Dr. Abhay Jere)

CHIEF INNOVATION OFFICER
MINISTRY OF EDUCATION'S INNOVATION CELL
GOVERNMENT OF INDIA



Unnat P. Pandit

(Prof. (Dr) Unnat P. Pandit)
CONTROLLER GENERAL OF
PATENTS, DESIGNS & TRADE MARKS



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Penn
UNIVERSITY of PENNSYLVANIA

May 24, 2023

Pooja Bapu Kamble

has successfully completed

Patent Law

an online non-credit course authorized by University of Pennsylvania and offered through Coursera

R. Polk Wagner

R. Polk Wagner
Professor of Law

Moshi
412105

Verify at:
coursera.org/verify/IM06P00PKSHF

Coursera has confirmed the identity of this individual and their participation in the course.

The online course named in this certificate may draw on material from courses taught on-campus, but it is not equivalent to an on-campus course. Participation in this online course does not constitute enrollment at the University of Pennsylvania. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC-2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

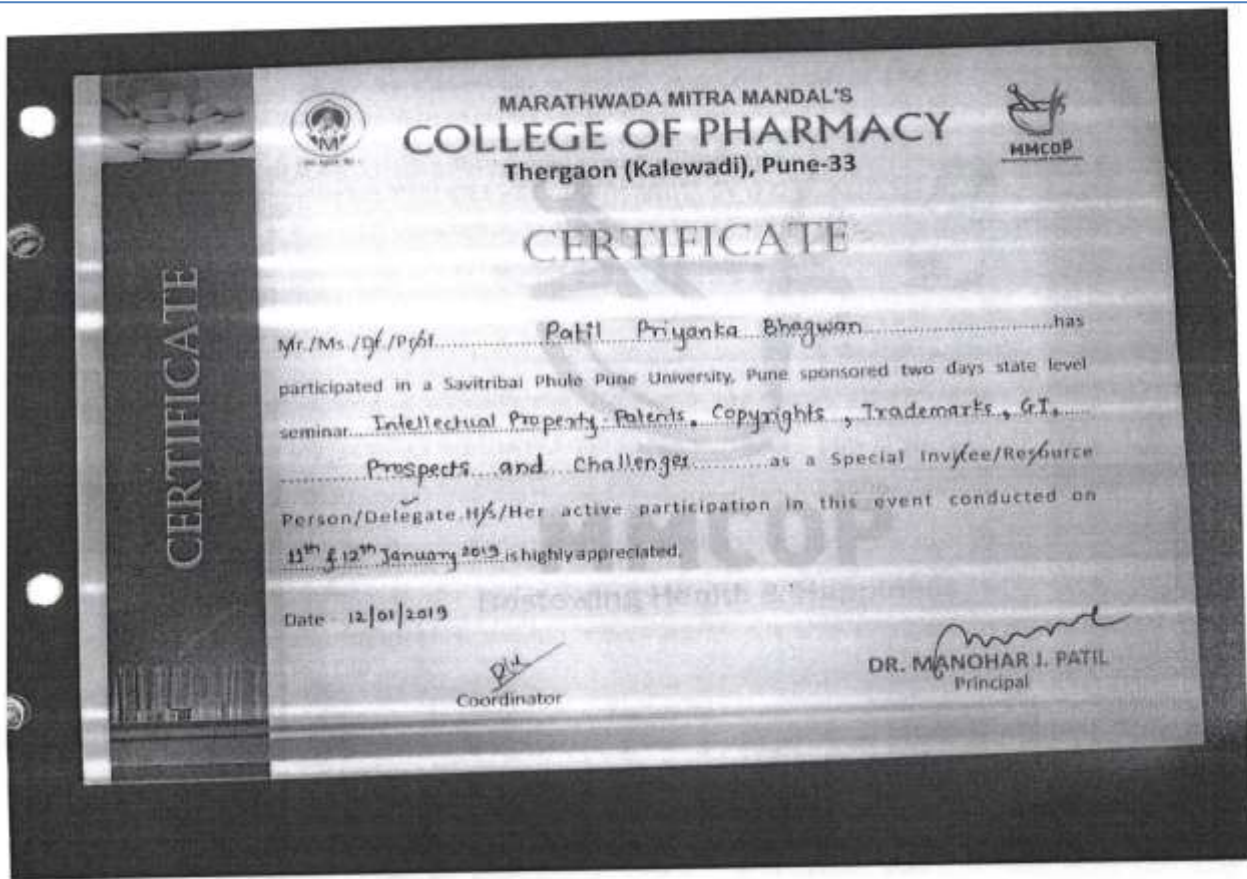


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC-2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



MARATHWADA MITRA MANDAL'S
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-33



CERTIFICATE

Mr./Ms./Dr./Prof. Sawant Tejashmi Chhagan has
participated in a Savitribai Phule Pune University, Pune sponsored two days state level
seminar..... Intellectual Property - Patents, Copyrights, Trademarks, G.I.,
..... Prospects and Challenges as a Special Inv^{itee}/Res^{ource}
Person/Delegat^e. H^{is}/Her active participation in this event conducted on
11th & 12th January 2019 is highly appreciated.

Date - 12/01/2019


Coordinator


DR. MANOHAR J. PATIL
Principal





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



MODERN COLLEGE OF PHARMACY (FOR LADIES)

Borhadewadi, Dehu-Alandi Road, Moshi, Pune 412 105



CERTIFICATE

This is to certify that, D./Mr./Ms./Prof. Shubhda Shinde.
has actively participated as a Delegate/ Speaker / Presented Poster for Two days
Savitribai Phule Pune University Sponsored State Level Workshop on "Current Trends
and Regulatory Requirements for Herbal Products" organized by PES, Modern College
of Pharmacy (For Ladies), Moshi, Pune, dated 7th and 8th February 2020. His/ Her
participation in the workshop is highly appreciated.



MS. MOHINI UPADHYE
Co-ordinator

PROF. DR. S.N. DHOLE
Principal

PROF. DR. G. R. EKBOLE
Chairman, Business Council
P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Progressive Education Society's
MODERN COLLEGE OF PHARMACY (FOR LADIES)

Borhadewadi, Dehu-Alandi Road, Moshi, Pune 412 105



CERTIFICATE

This is to certify that, Dr./Mr./Ms./Prof. Kadam Pratiksha
has actively participated as a Delegate/ Speaker / Presented Poster for Two days
Savitribai Phule Pune University Sponsored State Level Workshop on "Current Trends
and Regulatory Requirements for Herbal Products" organized by PES, Modern College
of Pharmacy (For Ladies), Moshi, Pune, dated 7th and 8th February 2020. ~~His/~~ Her
participation in the workshop is highly appreciated.

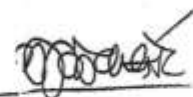



MS. MOHINI UPADHYE
Co-ordinator




PROF. DR. S.N. DHOLE
Principal




PROF. DR. G. R. EKBOTE
Chairman, Business Council,
P.E. Society, Pune



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

STATE LEVEL WORKSHOP



Progressive Education Society's
MODERN COLLEGE OF PHARMACY (FOR LADIES)
Borhadewadi, Dehu-Alandi Road, Moshi, Pune 412 105



CERTIFICATE

This is to certify that, Dr./Mr./Ms./Prof. Sandhya Potdar.
has actively participated as a Delegate/ Speaker / Presented Poster for Two days
Savitribai Phule Pune University Sponsored State Level Workshop on "Current Trends
and Regulatory Requirements for Herbal Products" organized by PES, Modern College
of Pharmacy (For Ladies), Moshi, Pune, dated 7th and 8th February 2020. His/ Her
participation in the workshop is highly appreciated.



MS. MOHINI UPADHYE
Coordinator

PROF. DR. S.N. DHOLE
Principal

PROF. DR. G. R. EKBOTE
Chairman, Business Council
P.E. Society, Pune



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

STATE LEVEL WORKSHOP

Progressive Education Society's
MODERN COLLEGE OF PHARMACY (FOR LADIES)
Borhadewadi, Dehu-Alandi Road, Moshi, Pune 412 105

CERTIFICATE

This is to certify that, *D./Mr./Ms./Prof.* Konde Sonal.
has actively participated as a *Delegate/ Speaker / Presented Poster* for Two days
Savitribai Phule Pune University Sponsored State Level Workshop on "Current Trends
and Regulatory Requirements for Herbal Products" organized by PES, Modern College
of Pharmacy (For Ladies), Moshi, Pune, dated 7th and 8th February 2020. *His/ Her*
participation in the workshop is highly appreciated.

MS
MS. MOHINI UPADHYE
Co-ordinator

SND
PROF. DR. S.N. DHOLE
Principal

GRE
PROF. DR. G. R. EKBOTE
Chairman, Business Council,






PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

STATE LEVEL WORKSHOP



Progressive Education Society's
MODERN COLLEGE OF PHARMACY (FOR LADIES)



Borhadewadi, Dehu-Alandi Road, Moshi, Pune 412 105

CERTIFICATE

This is to certify that, *Dr./Mr./Ms./Prof. Sushal Snehal Hanumanant*
has actively participated as a Delegate/ Speaker / Presented/Poster for Two days
Savitribai Phule Pune University Sponsored State Level Workshop on "Current Trends
and Regulatory Requirements for Herbal Products" organized by PES, Modern College
of Pharmacy (For Ladies), Moshi, Pune, dated 7th and 8th February 2020. *H/S/* Her
participation in the workshop is highly appreciated.

MS. MOHINI UPADHYE
Co-ordinator



S.N. Dhole
PROF. DR. S.N. DHOLE
Principal



PROF. DR. G. R. EKBOTE
Chairman, Business Council,
P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

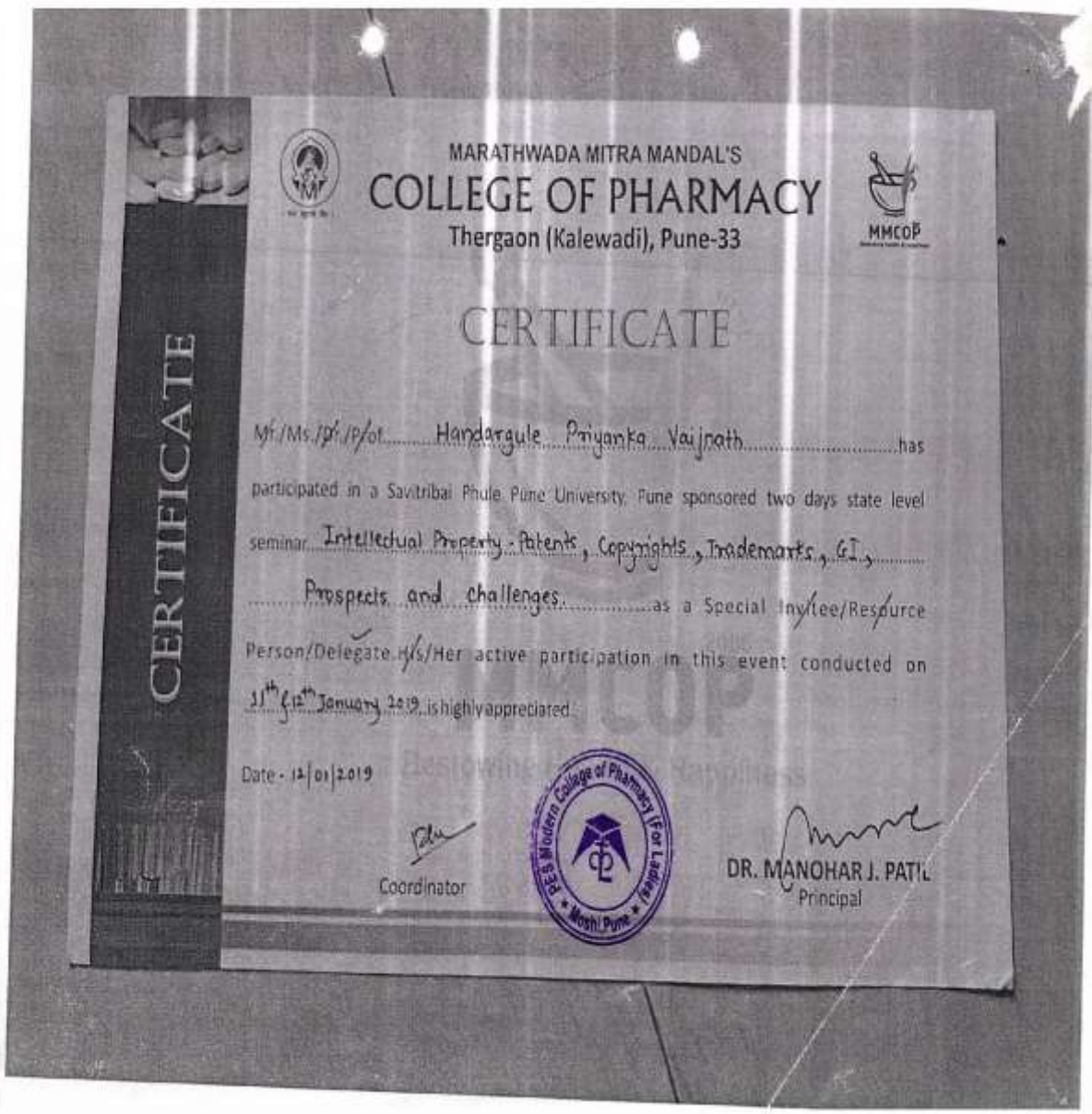


Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



MARATHWADA MITRA MANDAL'S
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-33



CERTIFICATE

Mr./Ms./Dr./Prof. Handargule Priyanka Vajrath.....has
participated in a Savitribai Phule Pune University, Pune sponsored two days state level
seminar Intellectual Property - Patents, Copyrights, Trademarks, & GI
Prospects and challenges.....as a Special Invttee/Resource
Person/Delegate. His/Her active participation in this event conducted on
12th 01st January 2019 is highly appreciated.

CERTIFICATE

Date - 12/01/2019

[Signature]
Coordinator



[Signature]
DR. MANOHAR J. PATIL
Principal



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2)NGC-2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole,
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Entrepreneur development cell



PES MODERN COLLEGE OF PHARMACY
(NAAC Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE.Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCI),
Permanently affiliated to Savitribal Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

YEAR 2020-2021

Constitution :

ENTREPRENEURSHIP CELL

The entrepreneurship cell is formed by institution.

Sr. No.	Name of the Member	Designation	Contact number	E-mail ID
1.	Prof. Dr. Dhole S.N	Chairperson	9922007322	shashikant_dhole@yahoo.com
2.	Ms. Aher R.S	Entrepreneurship cell IC	9373293237	rutuja.mcpl@gmail.com
3.	Ms. Upadhye M.C	Technical Associate	9766493303	mohiniketh@rediffmail.com
4.	Ms. Bhanage B.S	Public relation IC	9096500813	bhagyashri.bhanage@gmail.com
5.	Ms. Tapkir Mayuri	Alumnae IC	7058130680	tapkir.mayuri97@gmail.com
6.	Ms. Kalokhe Ashwini	Student representative	9834811071	ashwinikalokhe9@gmail.com
7.	Ms. Ranpise Amruta	Student representative	8857076330	amrutaranpise146@gmail.com


PRINCIPAL

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post Moshi,
Tal.Haveli, Dist.Pune - 412105



• Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Haveli, Dist. - Pune - 412 105 M.S. (INDIA)
• Tel. 7276078868 Email.: pharמושiwomen@yahoo.com Website.: www.mcpl.edu.org



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCI),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

START UP AND ENTREPRENEURSHIP DEVELOPMENT CELL

YEAR 21-22

Sr. No.	Name of Person	Designation	E-mail Id
1.	Prof. Dr. Shashikant N. Dhole	Chairperson	shashikant_dhole@yahoo.com
2.	Mrs. Raksha L. Mhetre	In charge of committee	mhetre_rakshaa@yahoo.co.in
3.	Dr. (Mrs.) Vrushali S. Tambe	Vice Principal	vrushalitambe99@gmail.com
4.	Mrs. Rekha A. Bhalerao	Associate in-charge	rekhabhalerao2016@gmail.com
5.	Mr. Dhanraj Jadhav	External Member	dhanrajadhav.gxp.coach@gmail.com
6.	Ms. Ankita Shinde	M. Pharm Student	ankitashinde895@gmail.com
7.	Ms. Maithili Deshmukh	M. Pharm Student	deshmukhmaithili22@gmail.com
8.	Ms. Harshda Dolare	B. Pharm Student	dolareharshada@gmail.com
9.	Ms. Pratiksha Nale	B. Pharm Student	pnale1609@gmail.com




PRINCIPAL
PES Modern College of Pharmacy,
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 105

• Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Haveli, Dist. - Pune - 412 105 M.S. (INDIA)
• Tel. 7276078868 Email.: pharmoshiwomen@yahoo.com Website.: www.mcpled.org



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE.Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCI),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

START UP AND ENTREPRENEURSHIP DEVELOPMENT CELL

YEAR 2022-23

Startup and Entrepreneurship development cell

Committee is formed by institution.

Sr. No.	Name of Person	Designation	E-mail Id
1.	Prof. Dr. Dhole S. N.	Chairperson	shashikant_dhole@yahoo.com
2.	Mr. Sakhare G.R.	In charge of committee	sham.sakhare3741@gmail.com
3.	Dr. (Mrs.) Tambe V. S.	Vice Principal	vrushalitambe99@gmail.com
4.	Mrs. Chintamani Sonali	Associate in-charge	sonali.chintamani80@gmail.com
5.	Mr. Jadhav Dhanraj	External Member	dhanrajadhav.gxp.coach@gmail.com
6.	Ms. Pawar Rutuja	Student M.Pharm 2022-23	rutujapawar77613@gmail.com
7.	Ms. Yelwande Purva	Student M.Pharm 2022-23	pyelwande30@gmail.com
8.	Ms. Dolare Harshda	Student B.Pharm 2022-23	dolareharshada@gmail.com
9.	Ms. Nale Pratiksha	Student B. Pharm 2022-23	pnale1609@gmail.com



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, A/Pest-Moshi,
Tal. Haveli, Dist. Pune-412 105

• Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Haveli, Dist. - Pune - 412 105 M.S. (INDIA)
• Tel. 7276078868 Email.: pharmoshiwomen@yahoo.com Website.: www.mcpl.edu.org



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

20/01/2020

To,

Dr. Gopal Varma
Everest Pharma,
Pune

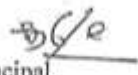
Subject: Invitation as a Resource Person State Level workshop

Progressive Education Society has started Modern College of Pharmacy (For Ladies), Moshi, Dehu- Alandi Road, Borhadewadi, Tal- Haveli, Pune -412 105 in 2004. It's a great pleasure to inform you that the college is organizing Savitribai Phule University Sponsored, Two days State Level Seminar on "Current Trends and Regulatory Requirements for Herbal Products" on 7th and 8th February 2020.

We take this opportunity to invite you as a resource person to deliver a lecture on above said or relevant topic.

We will be highly obliged if you spare your valuable time for us and look forward to a positive confirmation, an honor for us indeed.

Thanking you


Principal

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies) -
Borhadewadi, AI/Post Moshi
Tal.Haveli, Dist.Pune - 412105





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Date: 07/02/2020

To,

Dr. Gopal Varma
Everest Pharma,
Pune

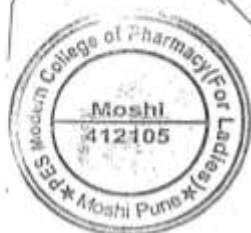
Sub: Thanks giving & appreciation letter

Dear Sir,

With reference to the above cited subject, we Modern College of Pharmacy For Ladies express our gratitude towards you for your gracious presence for guiding and sharing knowledge with our students.

I really appreciate your endeavor & hope that this sound bond will become stronger in future.

Thanking you.




Principal

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post Moshi
Tal.Haveli, Dist.Pune - 412105



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

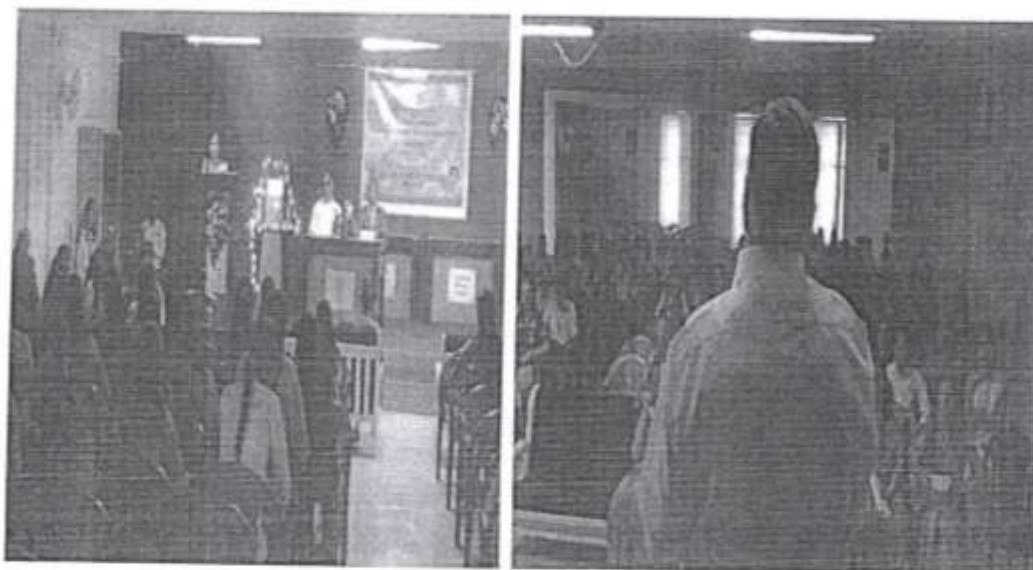
Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

REPORT ON "HERBAL MANUFACTURING"

(HELD On 7th Feb 2020)

Venue: Modern college of pharmacy (for ladies) moshi DATE: 7th Feb 2020 Time: 3.30pm

The Guest lecture was held on 7th Feb 2020 in modern college of pharmacy (for ladies) moshi on the topic "Herbal Manufacturing". The students of D. Pharm, B. Pharm and M. pharm were gathered in seminar hall. Mr. Gopal Varma was the guest speaker, who is working as a Director at Everest Pharma. He has explained from Raw material storage to the marketing of herbal products in very simple terms. Also he explained how Manufacturing, QA, QC Departments works in industry. He motivated to the students regarding job opportunities in Herbal industry.





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(225/04) TE-1, Pharmacy Council of India (32-347/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

REPORT ON GUEST LECTURE

The guest lecture was arranged in Modern college of pharmacy for ladies, Moshi Pune at 19th Sept 2021.

Chief Guest and imminent speaker: Mr. Yogesh Sudam Kale, Proprieter of Arnav pharmaceuticals, ltd Pune

Date: 19th Sept 2021.

Time: 10:00am-11.00 am

Venue: Online mode Zoom(Due to Covid-19)

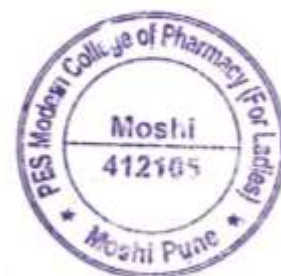
The guest lecture was held on 19th Sept 2021 in Modern college of pharmacy (L), Moshi, Pune on the Topic of **"Approach to community pharmacy-An overview"**. The Students of F.Y and S.Y. B. Pharm were joined by the shared link of zoom.

Mr.Yogesh S. Kale was the chief guest and imminent speaker who is working as proprieter of Arnav pharmaceuticals ltd since 15 years.

He guided the students to identify the key skills in yourself. He motivated and guide the students for Handling, managing of firm (pharmacy). He guided the students about licensing procedure,Documentation required for wholesale and retails, New registration of pharmacy, renewal procedure of license

The session was interactive and students were satisfied to listen the thoughts.

The Arranged guest lecture was motivated and inspirational.





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/M5/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole,
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(225/04) TE-1, Pharmacy Council of India (32-347/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Date: 21/01/2022

NOTICE

All second, third, final year and second year M. Pharmacy students are hereby informed that, we have organized Entrepreneurship development Seminar on "Steps of starting up your business".

Resource person: **Mr. Vikrant Bhujbalrao ,**

Director of a business incubation company,

YourSarthi.

Amazon Bestseller Author, Startup Coach, Business Mentor,
Motivator,Entrepreneur.

- Date-21st January , 2022 .
- Time-11.00AM-1.00PM

Note : Attendance is compulsory.


Incharge




Principal

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post Moshi,
Tal.Hevel, Dist.Pune - 412105



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(225/04) TE-1, Pharmacy Council of India (32-347/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

MCPL/2022/Let/Ref.No.218

Date - 21/01/2022

To,

Mr. Vikrant Bhujbalrao ,

Director of a business incubation company,

YourSarthi.

Sub: Thanking letter for conducting guidance session

Dear Sir,

We are thankful to you for conducting guidance session for second, third ,final year and M. Pharm students on "Steps of starting up your business". On 21st January, 2022 at 11.00 am Your guidance will surely help them to be a successful entrepreneur in future as you gave deep insights into the topic and also revealed some interesting facts.

We are highly obliged as you spend your valuable time and shared knowledge. Your presence has added value to our institute. We are sure that your valuable assistance will always be with us in future.

Looking forward for the same cooperation in future.

Wishing you a great year ahead.

Thanking you,

Yours Truly,

Principal

Dr. S.N.Dhole

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post Moshi,
Tal.Haveli, Dist Pune - 412105





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE.Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCI),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

MCP/let/2022/ref.No.217

Date-19/01/2022

To,

Mr. Vikrant Bhujbalrao,

Director of a business incubation company,

YourSarthi.

Subject: Regarding Invitation for delivering a guest lecture on "Steps of starting up your business".

Dear Sir,

This is in reference to our discussion regarding guest lecture on topic "Steps of starting up your business for Pharmacy students".

We are pleased to introduce that, PES Modern College of Pharmacy (For Ladies), Moshi, Pune is established in 2004 catering more than 400 women students. It is located in PCMC. We are running D. Pharm, B.Pharm, M.Pharm and Ph.D courses.

We will be extremely obliged if you could be a part of our endeavour of making the untapped talent shine. We would like to invite you for a guest lecture on topic "Steps of starting up your business". As per our telephonic discussion we are keen to organize guest lecture **Online mode on 21st January, 2022 at 11.00 am**. We would be glad to provide you with any further information and assistance in this regard.

We are looking forward to your participation in the event.

Thanking you,




Principal

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, A/P Post Moshi,
Tal. Haveli, Dist. Pune - 412105

• Borhadewadi, Dehu - Alandi Road, A/P. Moshi, Tal - Haveli, Dist. - Pune - 412 105 M.S. (INDIA)
• Tel. 7276078868 Email.: pharmoshiwomen@yahoo.com Website.: www.mcpl.edu.org



REPORT OF WEBINAR BY ENTREPRENEUR CELL COMMITTEE

The webinar was arranged in PES Modern college of pharmacy for ladies Moshi at
21/1/2022

- Date : 21/1/2022
- Time : 11.00 am.
- Mode : Online Goole meet
- Convened by : Ms. Pallavi G. Kakade

Chief Guest :- Mr. Vikrant Bhujbalrao

The Webinar was held on 21/1/2022 in PES Modern college of pharmacy for ladies moshi in topic "Steps of Starting up your Business" Goole Meet link has shared before 15 min.Mr. Vikrant Bhujbalrao was the chief guest working as a director of a business incubation company 'Your Sarthi'The session was started with a floral welcome of Mr. Vikrant Bhujbalrao. He started session by presentation about requisite of entrepreneur. He has also covered the topics such as what kind of challenges will be there to start a new business . He has focused on current opportunities available in pharmaceutical sector for a new business. He has interacted with students regarding their queries about a entrepreneurship the session was interactive and student were satisfied to listen the thought.




PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Date: 16/10/2022

NOTICE

All the students of D.Pharm, B. Pharm, and M. Pharm are hereby informed that we are organizing Guest Lecture on Topic "Entrepreneurship, Creativity and Innovation" on 18/10/2022 at 11.00 to 1.00pm in seminar Hall. So all students should be present for the same

P. Sonawane

Guest Lecturer In charge

(Mrs. Sonawane P.D.)

S.N. Dhole

Dr. Dhole S.N.



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies),
Borhadewadi, At/Post Moshi
Tal.Haveli, Dist.Pune - 412105





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole,
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Ref No. M/PL/CE/636-11

Date 15/10/2022

To,
Mr. Suresh B. Umap
Shivansha Innovative Foundation,
Founder and Chairman,
CEO, MCIID
Pune - 411041

Subject: Invitation as Delegate for Entrepreneur Guest lecture on "Entrepreneurship, Creativity and Innovation"

Respected Sir,

On behalf of PES Modern College of Pharmacy for Ladies, Moshi, we feel privilege to invite you as delegate for Guest Lecture "Entrepreneurship, Creativity and Innovation" on 18th Oct. 2022 at 11am. Your gracious presence will act as a catalyst and inspire all of us. I hope you will honor us by accepting our request.

Thanking you

Sincerely,

Dr. S.N. Dhole



PRINCIPAL
PES Modern College of Pharmacy
(For Ladies) >
Barhadewadi, A/Post Moshi
Tal Moshi, Dist. Pune - 412105



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2)NGC-2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Ref.No. *MPL/LE/636-A*

Date: *15/10/2022*

To,

Mr. Suresh B. Umap
Shivmudra Innovative Foundation,
Founder and Chairman,
CEO, MCED
Pune - 411041

Subject: Thanking Letter

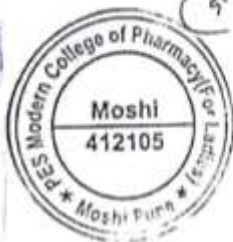
Dear Mam,

We are pleased that, you have accepted our request for Entrepreneur Lecture in our college. Kindly accept our sincere appreciation for the outstanding presentation you made to PES Modern College of Pharmacy for Ladies Moshi, on "Entrepreneurship, Creativity and Innovation" On *3rd* Oct 2022. It was very interesting to hear about your experience.

Thank you so much for sharing your valuable time with us. We all agreed that your lecture was the most exciting we had this year.

Thanking you,

*Recd
Dhole
(S.N.Dhole)*



S.N.

Dr. Dhole S.N.

PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, A/Post Moshi
Tal.Haveli, Dist.Pune - 412105



Summary Report on Entrepreneur Development Programme

On

“Entrepreneurship, Creativity, Innovation”

Resource Person: Mr. Suresh B. Umap

Organized by: PES Modern college of Pharmacy for Ladies, Moshi in collaboration with
Maharashtra Centre for Entrepreneurship Development (MCED)

Conducted on: 18/10/2022

The entrepreneurship development programme (EDP) was organized by PES Modern College of Pharmacy for Ladies to promote entrepreneurship in Pharmacy students on 18th October 2022 at 11am for D. Pharmacy, B. Pharmacy, M. Pharmacy students.

The topics for the programme was “Entrepreneurship, Creativity, and Innovation”. The programme has started with the felicitation of Chief Guest by Dr. S.N. Dhole, PES Modern College of Pharmacy for ladies, Moshi. The introduction of Guest was given by our D. Pharm student Ms. Shweta Borcahte

Mr. Suresh Umap has discussed about Entrepreneurial Mind set, Entrepreneurial Qualities, Govt. Support and Schemes. He also trained students, how to look into the challenges the society is facing currently and how it can dealt in an entrepreneurial way. He also discussed about Introduction to Entrepreneurship, Motivation & Personality issues of Entrepreneurship, Business Opportunity Identification, Business Plan & Project Preparation, Financial Aspects of Entrepreneurship, and Technical Aspects

The participants expressed and demonstrated positive attitude towards entrepreneurship and expressed plans to start ventures in the near future. The participants were made aware with funding agencies to explore entrepreneurship ventures with appropriate business plans.

A total number of 120 students participated in the program. The sessions was informative and well appreciated by the participants. At the end of the programme Ms. Gayatri Garad delivered the vote of thank towards the guest.


Guest Lecture I/C





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole,
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC-2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Guest Lecture I/C

Dr. S. N. Dhole





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole,
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune



Mr. Suresh B. Umap Retired Government Official delivering lecture on entrepreneurship





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC-2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhobe
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

Attendance

Roll No	Name of Student	Roll No	Name of Student
1	ABHANG SANIKA SUNIL	61	MHASKE VAISHNAVI ANIL
2	AGRAVAT KHUSHUBU NARENDRABHAI	62	MHETRE SHIVANI BHAGWAN
3	ALAT SNEHAL NAVNATH	63	MUNDFANE RUTUJA SHASHIKANT
4	ARADKAR SUPRIYA DATTATRAY	64	MURKUTE VAISHNAVI GAJANAN
5	ASOLE SANIKA MUNJAJI	65	NANEKAR KSHITIJA BABURAO
6	BANGAR MRUNALINI BAPU	66	NANGARE SHRDDHA RAJESH
7	BHANDAKKAR RASIKA SUNIL	67	NETKE SAKSHI ANIL
8	BHANDARE MANASWI LAXMAN	68	NILE VAISHNAVI RAMAKANT
9	BHANUSHALI ZEEL HARESH	69	PARMAR RIDDHI BHARAT
10	BHOSKAR RUTUJA DNYANESHWAR	70	PATIL AAKANKSHA RAJENDRA
11	BHUSALE RACHANA SHIVJI	71	PATIL ANISH VIJAY
12	BIRADAR AARATHI MADHAVRAO	72	PATIL NIKITA SURAJ
13	BUTTE SIDDHI SOMNATH CHAUDHARY SHAFIQ HAFIZURREHMAN	73	PATIL PRIYANKA TANAJI
14	CHAVAN TULSI SURYKANT	74	PATIL SAYALI SANTOSH
15	CHAVHAN CHANDA RAM	75	PAWAR JANHVI NITIN
16	CHAVHAN LAXMI ANIL	76	PHAKATKAR SANSKRUTI SANDIP
17	DAMSE SNEHAL VILAS	77	PHATANGARE ANJALI ANIL
18	DATHE SAMIKSHA PANDHARINATH	78	PHUGE TANVI PRAVIN
19	DEOKAR JYOTI NAVNATH	79	POTGHAN SAMRUDDHI GORAKHNATH
20	DESHMUKH VASIHNAVI VILAS	80	RATHOD SHREYA KRISHNA
21	DESPANDE VASUDHA RAM	81	SALVE POOJA VIJAY
22	DHAWADE SAKSHI NITIN	82	SANKPAL RUTUJA CHANDRKANT
23	DHORAN SAMIKSHA SANJAY	83	SARODE TRUPTI SANTOSH
24	DODAMANISHAIKH MUSKAN FAKRUDDIN	84	SARWADNYA JYOTI DIPAK
25	GADEKAR SNEHAL PUNDLIK	85	SASTE DHANASHREE RAJENDRA
26	GHARGE DIVYA RAJKUMAR	86	SAYYAD ASIYA FARUK
27	GHONGE AKSHADA HIRAMAN	87	SHAIKH ALPHIYA IBRAHIM
28	GOPAL VAIBHAVI BANDU	88	SHAIKH MUSKAN AJIJ
29	GOVARDHAN SAYALI RAJESH	89	SHIGADE MUKTA MADHUKAR
30	GURAV PRACHI MAHADEV	90	SHINDE ANJALI SANJAY
31	HANDE JAYSHRI PRASHANT	91	SHINDE PRADIPTI PRASHANT
32	HARGUDE VAIBHAVI BABASAHEB	92	SHINDE SANIYA MAHENDRA
33	HOLE NIKITA NITIN	93	SHINGADE SHRUTI VILAS
34	JADHAV SAEED SUDHIR	94	SING PRIYA VINOD
35	JADHAV HARSHADA ANIL	95	SONAWALE MRUNAL SURAJ
36	JADHAV ISHWARI AMOL	96	SONTAKKE SHREYA MADHAV
37	JADHAV MADHURA RAMCHANDRA	97	SURYAWANSHI AASAVARI DATTATRAYA
38	JADHAV SONALI SANJAY	98	SURYAWANSHI RAHEL LAXMAN
39	JAGATAP SHRUTI DNYANESHWAR	99	TALELE PRANALI MANOJKUMAR
40	JICHKAR KALYANI VIJAY	100	TTKARE NIKITA ARUN
41		101	WAGH AKANKSHA DATTATRY





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC-2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

42	KADAM NISHIGANDHA NISHANT	<i>[Signature]</i>	102	WAGH NAMRATA GAJANAN	<i>[Signature]</i>
43	KALBOR VINAYA GANESH	<i>[Signature]</i>	103	WAGH VAISHNAVI BALASAHEB	<i>[Signature]</i>
44	KALE RUTUJA GANPAT		104	WAGHULE SHRUTI MILIND	<i>[Signature]</i>
45	KALE RUTUJA PRASHANT	<i>[Signature]</i>	105	WALLI DHARNA DHANANJAY	<i>[Signature]</i>
46	KAMBLE SANIKA SIDDHARTH	<i>[Signature]</i>	106	WAWGE YUKTA VISHNU	
47	KANGHARE SANIYA SANDEEP	<i>[Signature]</i>	107	YADAV SANIKA PRAMOD	<i>[Signature]</i>
48	KASHID AMRUTA SADGURU	<i>[Signature]</i>	108	YADAV SHRADDHA SOMNATH	<i>[Signature]</i>
49	KATRE TEJASWINI HEMRAJ		109	YADAV VAISHNAVI VITTHAL	<i>[Signature]</i>
50	KENDALE SHAMAL SANTOSH	<i>[Signature]</i>	110	YELAVE AARTI JOTIRAM	<i>[Signature]</i>
51	KHAIRNAR JANHAVI PRASHANT	<i>[Signature]</i>	111	YEOLA GEETANJALI VIJAY	
52	KHAMKAR PALLAVI SHIVAJI	<i>[Signature]</i>	112	ZANJAD SHRUTIKA SANTOSH	<i>[Signature]</i>
53	KHAN KHAIRUNNISA MOHAMMAD AYYUB				
54	KHAN HEENA ABDULKALIQE				
55	KHANDELWAL EKTA RITESH				
56	KHARDE GAURI LALSING	<i>[Signature]</i>			
57	LANDGE KIRAN RAMAKANT	<i>[Signature]</i>			
58	LANGHI SWAPNALI DATTU	<i>[Signature]</i>			
59	LAWARE PORNIMA SURESH	<i>[Signature]</i>			
60	MAHAJAN DISHA KIRAN				





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/2002/2004



PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES, Modern college of Pharmacy For Ladies, Moshi Pune								
S. Y. B. Pharm 2022-2023								
Roll No	Name	Sign	Roll No	Name	Sign	Roll No	Name	Sign
1.	Amble Shruti Pramod		25	Gadekar Rachana B		49	Khule Pallavi Ashok	
2.	Awale Sayali Hanumant		26	Gaikwad Rutuja V		50	Kobal Sakshi Uttam	
3.	Bachkar Sonali Bhmaji		27	Gaikwad Samriddhi S		51	Konde Khushi Amol	
4.	Bagul Trupti Rajesh		28	Gavade Sanika Kalidas		52	Kshirsagar Pratiksha D	
5.	Baskar Asvitha		29	Gaware Nikita K		53	Kumbhar Divya M	
6.	Bawane Sanyukta S		30	Harke Gayatri Sunil		54	Lande Trupti Nilesh	
7.	Bhangre Mrudula B		31	Hule Sarthi Rajendra		55	Lohar Rutuja Deepak	
8.	Bhavar Rutuja B		32	Ingole Pooja Pramod		56	Magar Swamini C	
9.	Bhilare Tejasvini Kiran		33	Jadhav Akansha J		57	Mali Mansi Sachin	
10.	Bhosale Gautami G		34	Jadhav Ketaki Pratap		58	Mali Vaishnavi B	
11.	Biradar Shraddha S		35	Jawanjal Purva S		59	Mane Nayan V	
12.	Birle Vaishnavi Sachin		36	Kadam Smita Poopt		60	Mane Shreya Mahesh	
13.	Chaudhary Zainab G		37	Kale Anushka Shrikant		61	Manjare Pratiksha I	
14.	Dadas Vaishnavi Dhanaji		38	Kale Dnyaeswari K		62	Marade Yogita V	
15.	Dahate Esha Vinod		39	Kale Prachi Bhagavan		63	Mehasare Gayatri R	
16.	Dhadge Sharli Ravindra		40	Kamble Sakshi Anand		64	Mohite Rakhi Rajesh	
17.	Dhokane Aastha Sunil		41	Kanode Shweta Sanjay		65	Momin Nida B	
18.	Dhole Akanksha S		42	Kapale Anushree A		66	More Sneha Santosh	
19.	Dhole Siddhi Bhaushab		43	Kashid Snehal Popat		67	Navgire Janhavi Y	
20.	Dhormare Radha Avinash		44	Katore Purva Rajendra		68	Pacharne Charuta P	
21.	Dhumal Mayuri D		45	Kedari Payal Narayan		69	Pachpande Tanmayee A	
22.	Dhumane Isha Anand		46	Kedari Vaishali Mohan		70	Padwal Monika Ganesh	
23.	Doke Rutuja Jalindra		47	Khatri Srushiti Naynath		71	Panchbbai Ovee Balraj	
24.	Falke Gitanjali B.		48	Kharabi Siddhi Rahul		72	Pande Kanchan Manohar	



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PH/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES, Modern college of Pharmacy For Ladies, Moshi Pune
S. Y. B. Pharm 2022-2023

Roll No	Name	Sign	Roll No	Name	Sign
73	Pardeshi Vaishnavi Sudarshan	Pardeshi	97	Thorat Vaishnavi Vijay	Thorat
74	Patil Kalika Raosaheb	Kalika	98	Thorbole Shradha Satish	Thorbole
75	Patil Indrayani Vijay	Indrayani	99	Tikudwe Samidha Hanmantrao	Samidha
76	Patil Mansi Prashant	Mansi	100	Tirkunde Madhavi Shrirang	Madhavi
77	Patil Vaishnavi Dinesh	Vaishnavi	101	Vishwakarma Sakshi Lalji	Sakshi
78	Punde Kshitija Rajendra	Kshitija	102	Wagdare Falguni Ram	Falguni
79	Reddy Aishwaraya Vishnu	Aishwaraya	103	Waghmare Ragini Madhav	Ragini
80	Roundhal Akanksha	Akanksha	104	Walwate Manisha Shivaji	Manisha
81	Sakpal Trupti Sudhir	Trupti	105	Wavhal Sakshi Satosh	Sakshi
82	Safurke Vaishnavi Gitraj	Vaishnavi	106	Yadav Kunkum Bachelal	Kunkum
83	Sapate Tanuja Vagambar	Tanuja	107	Yadav Salone Sanjay	Salone
84	Satkar Sakshi Kalidas	Sakshi	108	Yelwande Ankita Dattatray	Ankita
85	Sawant Neha Vitthal	Neha	109	Zagade Janhavi Machindra	Janhavi
86	Sawant Shraddha Chandrakant	Shraddha	119	Shetkar Sayali	Sayali
87	Shenavi Tanyec Pravin	Shenavi	117	Shinde Anjali	Anjali
88	Shetty Diya	Diya	118	Anjali - Harsh	Anjali
89	Sonar Sakshi Rahendra	Sonar Sakshi	117	Ghoshke Vaishnavi Mahadev	Vaishnavi
90	Sonavane Vipashana Prashant	Vipashana	120	Gosavi Mansi	Mansi
91	Sukre Sanika Kailas	Sukre	12	Munjal Ghanu	Ghanu
92	Suryawanshi Prerana Sanjay	Prerana	15	Shehal Ghanu	Shehal
93	Talekar Tejal Suhas	Tejal	09	Nikam Akansha	Nikam
94	Talpada Arya Ajay	Arya	08	Mohite Chaitali	Mohite
95	Temkar Maya Uttam	Maya	110	Nikam Shanti	Nikam
96	Thorat Rutuja Arun	Rutuja	116	Riya Sawant	Riya

D1 - Artole Gauri Tanaji
D4 - Dhas Pratiksha
D3 - Desai Pratiksha



D15 - Jayashri Satjule
D12 - Radhika Rathod
D13 - Sonali Rathod
D14 - Sahase Kamini
D11 - Deepa Patil



PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhore
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

PES Modern college of Pharmacy (For Ladies), Moshi Pune															
T. Y. B. Pharm Roll Call List 2022-2023 (Sem V)															
Division A-Roll No.1 to 63								Division B-Roll No.64 to 126							
Roll No	Name	Sign	Roll No	Name	Sign	Roll No	Name	Sign	Roll No	Name	Sign	Roll No	Name	Sign	
BATCH A			BATCH B			BATCH C			BATCH D			BATCH E			
1	Gayatri Aade	<i>Gade</i>	27	Sanika Dhore	<i>Sd</i>	53	Urvasi Jagdale	<i>UJ</i>	78	Socha Pansare	<i>SP</i>	103	Vaibhavi Umap	<i>VU</i>	
2	AdalingeBhaghyashri	<i>AB</i>	28	Shital Dindewad	<i>SD</i>	54	Supriya Kadhane	<i>SK</i>	79	Pratibha Parhad	<i>PP</i>	104	Srushti Vidhate	<i>SV</i>	
3	Shraddha Adhav	<i>SA</i>	29	Akanksha Doiphode	<i>AD</i>	55	Shital Kardite	<i>SK</i>	80	Nikita Parve	<i>NP</i>	105	Prachi Wadekar	<i>PW</i>	
4	Rucha Akanikar	<i>RA</i>	30	Harshada Dolare	<i>HD</i>	56	Pranjal Katkar	<i>PK</i>	81	Janhavi Pasmе	<i>JP</i>	106	Vaishali Wagh	<i>VW</i>	
5	Rutuja Ankushe	<i>RA</i>	31	Sakshi Gade	<i>SG</i>	57	Manisha Kevat	<i>MK</i>	82	Sakshi Pathare	<i>SP</i>	107	Sakshi Waghmare	<i>SW</i>	
6	Akansa Arekar	<i>AA</i>	32	Nikita Gadhave	<i>NG</i>	58	Pratiksha Kimbhanu	<i>PK</i>	83	Bhagyashri Patil	<i>BP</i>	108	Vaishnavi Waghmare	<i>VW</i>	
7	Misba Attar	<i>MA</i>	33	Vaibhavi Gandhi	<i>VG</i>	59	Pratiksha Kothawale	<i>PK</i>	84	Kirti Patil	<i>KP</i>	109	Tanaya Walse	<i>TW</i>	
8	Varsha Bangar	<i>VB</i>	34	Shweta Gatal	<i>SG</i>	60	Rutika Kshirsagar	<i>RK</i>	85	Vaishnavi Patil	<i>VP</i>	110	Sejal Walunj	<i>SW</i>	
9	Pratiksha Bhandarkar	<i>PB</i>	35	Anjali Gautam	<i>AG</i>	61	Vaishnavi Labade	<i>VL</i>	86	Akshata Pawar	<i>AP</i>	111	Bhukare Mayuri	<i>BM</i>	
10	Nandini Bhavsar	<i>NB</i>	36	Arati Gavali	<i>AG</i>	62	Pranjal Landge	<i>PL</i>	87	Priyanka Pharate	<i>PP</i>	112	Bhangale Vrushali	<i>BV</i>	
11	Varsha Bhilare	<i>VB</i>	37	Pranali Gavate	<i>PG</i>	63	Pranjal Lokhande	<i>PL</i>	88	Divya Rane	<i>DR</i>	113	Bijasampada	<i>BJ</i>	
12	Akshata Bhor	<i>AB</i>	38	Harshada Gaware	<i>HG</i>	64	Kalyani Madake	<i>KM</i>	89	Prachi Ranjane	<i>PR</i>	114	Borate Nikita	<i>BN</i>	
13	Sayali Bhor	<i>SB</i>	39	Priti Ghenand	<i>PG</i>	65	Utkarsha Mahajan	<i>UM</i>	90	Ankita Rathod	<i>AR</i>	115	Choudhary Payal	<i>CP</i>	
14	Aishwarya Bhore	<i>AB</i>	40	Prachiti Ghodake	<i>PG</i>	66	Gayatri Mahamuni	<i>GM</i>	91	Divya Rathod	<i>DR</i>	116	Date varsha	<i>DV</i>	
15	Mrunmayi Bhosale	<i>MB</i>	41	Rutuja Ghundare	<i>RG</i>	67	Ashwini Mohite	<i>AM</i>	92	Prajakta Salunke	<i>PS</i>	117	Gavle shruti	<i>GS</i>	
16	Manasvi Bhurkud	<i>MB</i>	42	Vedanti	<i>VD</i>	68	Sayali Mure	<i>SM</i>	93	Anagha Saste	<i>AS</i>	118	Jadhav jyoti	<i>JJ</i>	





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

17	Bushra Bagwan	43	Gulhane Vaishnavi Gupta	69	Shravani Male	94	Siddhi Sawal	119	Jaiswal Jantavi
18	Priya Chaudhan	44	Anuja Gurav	70	Anushka Nagare	95	Aishwarya Selsurekar	120	Kabne Akankasha
19	Aishwarya Choudhari	45	Sakshi Gurav	71	Pratiksha Nale	96	Aditi Shevkari	121	Manekar Sharayu
20	Ashwini Dafal	46	Anjali Hande	72	Prerana Nandkhile	97	Harshita Singh	122	Mavkar Rutuja
21	Anushka Deokar	47	Kadambari Hankare	73	Renuka Padavale	98	Rutuja Sonawane	123	Pawar Nikita
22	Sakshi Devsatar	48	Sakshi Hirwale	74	Suman Padwal	99	Siddhi Sonawane	124	Sahunkhe Sakshi
23	Aditi Dhanawade	49	Sakshi Holkunde	75	Amita Pakhare	100	Vaishnavi Satar	125	Salve devyani
24	Nikita Dhanawate	50	Neha Jadhav	76	Pradnya Palaskar	101	Pranjal Taware	126	Sangade varsha
25	Dhanshri Dhanwale	51	Pooja Jadhav	77	Kalyani Pandit	102	Punam Thigale	127	Saste Neha
26	Riika Dhonge	52	Pallavi Jadhav			104	Vaibhavi Umaj		





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)

Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NCG-2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-547/2012-PC),
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004



Prof. Dr. S. N. Dhole,
M. Pharm., Ph. D.
Principal

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

**Workshops/Seminars/Conferences
conducted on Research methodology,
Intellectual Property Right and
Entrepreneurship**



3.2.2 Number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Year	Name of the workshop/ seminar/ conference	Number of Participants	Date From-to
2018-19	Career opportunities in regulatory affairs and pharmacovigilance	25	28-07-2018
2018-19	Demonstration of Lyophilizer	17	07-08-2018
2018-19	Career opportunity in Pharmacovigilance and Regulatory affairs	28	04-08-2018
2018-19	Demonstration of Brookfield viscometer	36	08-08-2018
2018-19	Demonstration of tablet machine	22	23-10-2018
2018-19	Formulation strategies	98	26-10-2018
2018-19	Role of polymers in designing of dosage form	98	26-10-2018
2018-19	Patent Basics and overview of generic in US	98	26-10-2018
2018-19	Concepts of dosage form design	98	26-10-2018
2018-19	Novel carriers in pulmonary drug delivery system	98	27-10-2018
2018-19	Drug delivery to respiratory tract-Challenges and Approaches	98	27-10-2018
2018-19	Role of polymers in designing of dosage form	98	27-10-2018
2018-19	Recent advances in formulation strategies to achieve complex drug rel	98	27-10-2018
2018-19	Microspheres	98	27-10-2018
2018-19	Demonstration of plethysmometer	20	06-02-2019
2018-19	Artificial Intelligence, Robotic Process Automation and machine learn	109	08-02-2019
2018-19	Herbal approaches in management of diabetic complication	109	08-02-2019
2018-19	Role of immune cells and immune cell derived factors in chronic infla	109	08-02-2019
2018-19	Current updates and opportunities in clinical research	109	08-02-2019
2018-19	Design of experiment approach in biopharmaceutical product develop	109	09-02-2019
2018-19	Clinical data management	109	09-02-2019
2018-19	Pharmacovigilance	109	09-02-2019
2018-19	DMPK in drug discovery and development	109	09-02-2019
2018-19	Pharmacovigilance	109	09-02-2019
2019-20	Laboratory safety and chemical hazards	21	29-11-2019
2019-20	Regulatory aspects of cosmetics manufacturing	168	25-01-2020
2019-20	Current trends and regulatory requirements for herbal products	69	07-02-2020
2019-20	Current trends and regulatory requirements for herbal products	69	07-02-2020
2019-20	Current regulatory status of herbal medicine	69	07-02-2020
2019-20	Current trends in isolation techniques	69	08-02-2020
2019-20	Herbal manufacturing	69	08-02-2020
2019-20	Current trends and regulatory guidelines for nutraceuticals	69	08-02-2020
2019-20	Current trends and regulatory requirements for herbal products	69	08-02-2020
2019-20	Regulatory requirements and basic concepts of CSV	159	22-02-2020
2019-20	CSV and GAMP5 guidelines	159	22-02-2020
2019-20	Validation documentation	159	22-02-2020
2019-20	Modular clean room and air conditioning system for pharmaceutical in	159	23-02-2020
2019-20	Molecular Hybridization	159	23-02-2020
2019-20	Process validation	159	23-02-2020





PES MODERN COLLEGE OF PHARMACY
(NBA Accredited) (FOR LADIES)



Approved by AICTE, New Delhi (F.No.06/07/MS/PHARMA/2004/047, DTE,Mumbai (2/NGC/2004/342)
Government of Maharashtra No. TEM/2004(235/04) TE-1, Pharmacy Council of India (32-347/2012-PCS,
Permanently affiliated to Savitribai Phule Pune University, ID No. PU/PN/Pharmacy/200/2004

PARENT SOCIETY :- PROGRESSIVE EDUCATION SOCIETY

Prof. Dr. S. N. Dhole
M. Pharm., Ph. D.
Principal

Prof. Dr. G. R. Ekbote,
(M.S., M.N.A.M.S.) Chairman,
Business Council P.E. Society, Pune

2019-20	Testing software	159	23-02-2020
2019-20	Technology transfer validation	159	23-02-2020
2020-21	Demonstration of All Purpose Equipment	7	08-09-2020
2020-21	Training Programme on fire Extinguisher	22	22-09-2020
2020-21	Demonstration of Aseptic area	86	12-02-2021
2021-22	Opportunities in clinical research	108	17/08/2021
2021-22	Demonstration of Microwave oven	128	19/08/2021
2021-22	Approach to community pharmacy-An overview	50	19/09/2021
2021-22	Demonstration of Trinocular microscope	69	25/09/2021
2021-22	Key to formulation design	50	12-04-2021
2021-22	Career Opportunities in clinical research	50	14/12/2021
2021-22	Steps of starting up your business for pharmacy students	50	21/01/2022
2021-22	Demonstration of Brookfield viscometer	21	02-12-2022
2021-22	Training programme on chemical safety	20	18/02/2022
2021-22	Demonstration of Flame photometer	70	22/02/2022
2021-22	Demonstration session on Lyophilizer	21	25/02/2022
2021-22	Demonstration of Plethysmometer	127	25/02/2022
2021-22	Demonstration session of Probe sonicator	15	25/02/2022
2021-22	Demonstration session of Tablets coating machine	55	26/02/2022
2021-22	Global regulatory affairs	60	26/05/2022
2022-23	Demonstration session of Extruder and spheronizer	15	18/08/2022
2022-23	Demonstration of Microwave oven	103	25/08/2022
2022-23	Demonstration of trinocular microscope	69	25/08/2022
2022-23	Entrepreneurship, creativity and innovation	324	18/10/2022
2022-23	Demonstration of All purpose equipment	109	11-03-2022
2022-23	Demonstration of brookfield viscometer	106	14/01/2023
2022-23	Demonstration session on Lyophilizer	14	21/01/2023
2022-23	Demonstration of HPLC	4	23/12/2022
2022-23	Demonstration of plethysmometer	100	02-03-2023
2022-23	Demonstration of Aseptic area	98	15/02/2023
2022-23	Demonstration session on Extruder and spheronizer	17	15/02/2023
2022-23	Demonstration session of Probe Sonicator	17	17/02/2023
2022-23	Demonstration session of Dissolution test apparatus	22	28/02/2023
2022-23	Demonstration of Tablet punching machine	103	17/04/2023
2022-23	Demonstration of Diffusion cell apparatus	25	05-04-2023
2022-23	Basics of formulation design	135	24/06/2023


PRINCIPAL
PES Modern College of Pharmacy
(For Ladies)
Borhadewadi, At/Post-Moshi,
Tal. Haveli, Dist. Pune-412 101

