

### Criterion 3 – Research, Innovations and Extension

#### Key Indicator - 3.2 Innovation Ecosystem.

**3.2.1. Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.**

#### **1) Details of Projects by M. Pharm Students in Pharmaceutical Industries**

Sr.No.	Name Of Student	Year	Title of thesis	Name of Industrial guide	Name of Internal Guide	Name of Industry
1	Pankaj Yewale	2012-13	Formulation & Evaluation of Cephalexin dry suspension for improved patient compliance	Mrs.S.G.Mantri	Dr.Tekade A.R.	Ajanta Haffkin Ltd.Jalgaon
2	Rucha Ketkar	2012-13	Formulation & Evaluation of Antihypertensive immediate release bilayer tablet	Mr.Rakesh Bhasin	Dr.Pandit A.P.	IPCA laboratories Ltd,Kandivali Mumbai
3	Diwakar Yadav	2013-14	Formulation Development & Evaluation of Sustained release bilayer tablet	Dr.Avinash Mungattiwar	Dr.Tekade A.R.	Macleods Pharmaceuticals Ltd,Mumbai
4	Minal Chopda	2013-14	Formulation Development & In Vitro evaluation of Orodispersible tablets of Olanzapine by direct compression	Mr.Mahesh Bhadage	Mrs.Priya Rangari	Centaur Pharamaceutics Pvt. Ltd Pune
5	Lalit Kamble	2013-14	Formulation Development & Evaluation of Taste masked sublingual tablet	Mrs.A.V.Kiran	Mrs.Nilima Chaudhari	Watson Pharma Pvt Ltd.
6	Vilas Pokharkar	2013-14	Development & Validation of stability indicating RP-HPLC method for assay Antiparkinson agent in tablet dosage form	Mr.Muralee Krishna	Dr.Atul Sayare	Glenmark Generics Ltd
7	Amol Shinde	2013-14	Analytical Method Validation for cleaning method verification of cholecalciferol in syrup dosage form	Mr.Abhijeet Kulkarni	Mrs.Aasawari Pachuri & Mrs.Preeti Dalal	Glaxosmithkline Pharmaceuticals Ltd

8	Gopal Dandgule	2013-14	Formulation & Evaluation of orally disintegrating tablet of Antimigrane agent by Quality by design Technique	Mr.Vishnu Patil	Mrs.Aasawari Pachuri	Glenmark Generics Ltd
9	Rupam Vanse	2013-14	RP-HPLC method development & validation for the estimation of Anticancer drugs : Cabazitaxel & Melphalan in bulk & dosage forms	Mr.Pramod Mohite	Dr.Atul Sayare,Mr.Prashant Ghode	Glenmark Pharmaceuticals Ltd
10	Anil Gorde	2013-14	Development & Validation of simultaneous estimation of Lornoxicam & tapentadol in combined dosage form	Mr.Abhijeet Singh	Mrs.Archana Karnik	Ferdun Pharmaceuticals Ltd
11	Ankita Pangam	2013-14	Method Development of stability indicating assay of Pantoprazole sodium & Domperidone	Mr.Rajas Natekar	Mr.Rajendra Patil	FDC Ltd
12	Tanmay Sahu	2013-14	Formulation Development & Evaluation of an antibiotic cream	Mr.Saurabh Srivastava	Dr.Sayare Atul ,Mr.Prashant Ghode	Glenmark Generics Ltd
13	Vaibhav Mandale	2014-15	Development & Validation of stability indicating RP-HPLC method for simultaneous estimation of Antiulcer & antiemetic drug in combination injection dosage form	Dr.Subhash Palekar	Dr.Sayare Atul	Ranbaxy Laboratories Ltd
14	Shaliesh Bahir	2014-15	Development & Validation of stability indicating related substance method for antihypertensive drug in fixed dose combination IR tablet dosage form	Mr.Suresh Shitole	Mrs.Asawari Pachauri,Mr.Prashant Ghode	Emcure Pharmaceuticals Ltd.
15	Sneha Kasbe	2014-15	Development & Validation of stability indicating RP-HPLC method for assay Anti- hypertensive drug in tablet dosage form	Mr.Anand Isyas	Dr.Atul Sayare	Cipla Ltd
16	Anil Waghmode	2014-15	Analytical techniques support to stability study on	Dr.Anita Krishnan	Mrs.Priya Rangari	Bioanalytical R &D ,Lupin Ltd

			biomolecules			
17	Neelam Kamble	2014-15	Development & Validation of stability indicating RP-HPLC method for assay Anti- diabetic drug in dry powder inhaler dosage form	Mr.Sadique Khan	Mr.Rajendra Patil	Cipla Ltd
18	Bhagyashree Gaikwad	2015-16	Development & Validation of stability indicating RP-HPLC method for assay Anti- convulsant drug in capsule dosage form	Dr.Sameer Satam	Mr.Rajendra Patil	Cipla Ltd

## **2 ) List of Minor Research Projects sanctioned By Savitribai Phule Pune University**

<b>Name of Principal Investigator</b>	<b>Duration of project</b>	<b>Name of the research project</b>	<b>Amount / Fund received</b>	<b>Year of sanction</b>	<b>Department of recipient</b>
Dr K. R. Khandelwal	2 years	Standardization of Ayurvedic dosage forms obtained by heat treatment by modern analytical methods.	200000	2008-09	Pharmacognosy
Mrs. Anindita Bhowmick	2 years	Development of simple, economical and accurate analytical methods for estimation of various active pharmaceutical ingredients in bulk as well as pharmaceutical formulations and validation of the same compliant with international guidance.	15 0000	2008-09	Pharmaceutical Chemistry
Mr. Anil N. Tankar	2 years	Evaluation and application of natural mucilages as Excipient in pharmaceutical dosage forms	100000	2009-10	Pharmacognosy
Mr. Pravin S. Borhade	2 years	To evaluate the Tyrosinase inhibiting activity of some Herbal and development of herbal cosmetic formulation for treatment of skin hyper-pigmentation.	3 00000	2009-10	Pharmacognosy
Mrs. Priya Rodge-Rangari	2 years	Formulation and evaluation of taste masked, orally disintegrating tablets of Ondansetron using a novel	2 00000	2009-10	Pharmaceutics

		superdisintegrant.			
Mr. Deshbandhu Pachauri	2 years	Preclinical evaluation of Euphorbia hirta and Ficus religiosa as anti-asthmatic herbs.	2 00000	2009-10	Pharmacology
Dr. Deepali Bansode	2 years	Synthesis and pharmacological screening of cyclodextrin conjugates of Phenylpropanoic and phenylacetic acid derivatives- A prodrug approach.	2 00000	2009-10	Pharmaceutical Chemistry
Mrs. Nilima A. Chaudhari	2 years	Formulation and evaluation of coated tablets to target the anticancer drug to colon using a natural polysaccharides (natural gums) as carriers.	2 00000	2009-10	Pharmaceutics
Mr. Rajendra B. Patil	2 years	Synthesis and antimicrobial screening of some acetoazide chromane 2-one derivatives	2 00000	2009-10	Pharmaceutical Chemistry
Mrs Asawari D.Pachauri	2 years	Development of simple, economical and accurate stability indicating analytical method for estimation of various pharmaceutical ingredients in bulk as well as in pharmaceutical formulations and validation as per ICH guidelines.	211000	2012-13	Pharmaceutical Chemistry
Ms.Vinita C. Patole	2 years	Formulation and evaluation of Buccal drug delivery for oil	2 00000	2012-13	Pharmaceutics
Mrs. Suvarna S.Vanjari	2years	Stability indicating RP-HPLC method for estimation of bulk drug and its dosage form	210000	2012-13	Pharmaceutical Chemistry
Mr.Krishna D.Lone	2 years	Formulation and Evaluation of Probiotic Tablets containing Anti-inflammatory Drug	140 000	2013-14	Pharmaceutics
Dr.Ashlesha Pandit	2 Years	Formulation of Eco-friendly Medicated Chewing Gum to Improve Patient Compliance	240 000	2014-15	Pharmaceutics
Dr.Atul Sayare	2 Years	Synthesis and Evaluation of Polymeric prodrugs of metronidazole for colon Targetting.	160 000	2014-15	Pharmaceutical Chemistry

Mr.Anil Tankar	2 Years	Anti-insect properties of some medicinal plants	140000	2014-15	Pharmacognosy
Ms.Vinita Patole	2 Years	Formulation and Evaluation of Periodontal insitu gel	170000	2016-17	Pharmaceutics
Ms.Priya Rodge	2 Years	Formulation and Evaluation of orally disintegrating tablet of Rizatryptan benzoate using novel superdisintegrate	5 0000	2016-17	Pharmaceutics

### **3) List of Patents Filed Till Date**

<b>S.No</b>	<b>Name of Inventor</b>	<b>Title</b>	<b>Application number</b>	<b>Current Status</b>
<b>1.</b>	Devkar Tejas, Madhuri Rodde, Ganesh Divase, <b>Ashlesha Pandit, Avinash Tekade</b>	An apparatus for continuous dissolution absorption studies on animal tissue	2363/Mum/2012	Published,18/1/2013
<b>2.</b>	Devkar Tejas, Madhuri Rodde, Ganesh Divase, <b>Avinash Tekade</b>	A device for formation of cups or wells in petridishes containing growth media while conducting microbiological assay	2444/Mum/2012	Filed, under examination
<b>3.</b>	Tambe Pranesh, Shreyash Joshi, Ravikiran Bandgar, <b>Avinash Tekade</b>	Development and evaluation of Microemulsion for promoting hair growth	3826/MUM/2015	Filed, under examination
<b>4.</b>	Bandgar Ravikiran, Pranesh Tambe, Shreyash Joshi,	Herbal medicated chewing gum for	201621024978	Abandoned

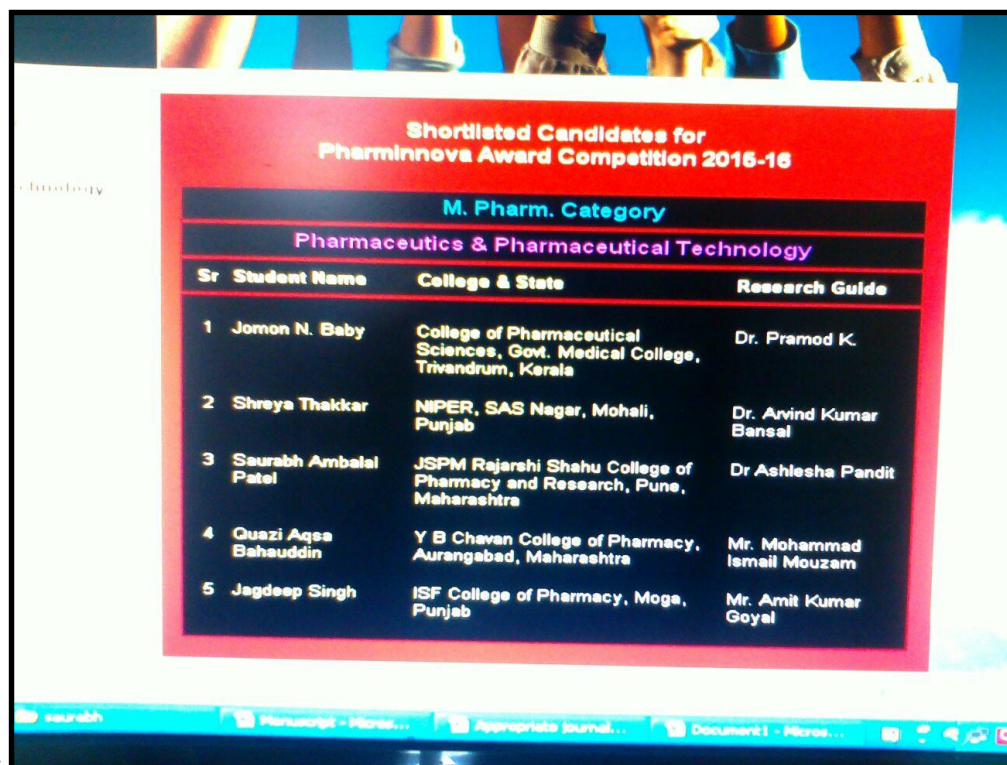
	<b>Avinash Tekade</b>	treating peptic ulcer		
<b>5.</b>	<b>Muniswamy Vimalkumar Johnson, Ashlesha Pandit</b>	Dissolution Testing apparatus of medicated chewing gum for dual purpose	3478/MUM/2015	Filed, under examination

#### **4) Research Awards**

##### **a) Research Work of Dr. Ashlesha Pandit Shortlisted for Best Thesis Award for the year (2015-16)**

Research Work of Saurabh Patel (M. Pharm) student of Dr. Ashlesha Pandit, Associate. Professor, Pharmaceutics Dept, has been shortlisted for the second round of Rajanibhai Patel Best Thesis Award. The title of thesis was “ Formulation of Microsponge Loaded Topical Drug Delivery for the Treatment of Diabetic Wound”. It is the Great Achievement as Only Two Colleges has been Shortlisted from Maharashtra State and Only Five Research Works from All Over India has been Shotlisted. Dr. Ashlesha Pandit and Principal

Dr.K.R.Khandelwal has been congratulated by our Founder Secretary Prof. T.J.Sawant Sir for this Great Achievement and their



Shortlisted Candidates for Pharminnova Award Competition 2016-16			
M. Pharm. Category			
Pharmaceutics & Pharmaceutical Technology			
Sr	Student Name	College & State	Research Guide
1	Jomon N. Baby	College of Pharmaceutical Sciences, Govt. Medical College, Trivandrum, Kerala	Dr. Pramod K.
2	Shreya Thakkar	NIPER, SAS Nagar, Mohali, Punjab	Dr. Arvind Kumar Bansal
3	Saurabh Ambalal Patel	JSPM Rajarshi Shahu College of Pharmacy and Research, Pune, Maharashtra	Dr. Ashlesha Pandit
4	Quazi Aqas Bahauddin	Y B Chavan College of Pharmacy, Aurangabad, Maharashtra	Mr. Mohammad Ismail Mouzam
5	Jagdeep Singh	ISF College of Pharmacy, Moga, Punjab	Mr. Amit Kumar Goyal

Valuable Guidance.

### **b) Research Work of Dr. Ashlesha Pandit Shortlisted for Best Thesis Award for the year (2016-17)**

Research Work of KUMBHAR YOGITA BHANUDAS (M. Pharm) student of Professor Dr. Ashlesha Pandit, Pharmaceutics Dept, has been shortlisted for the second round of Rajanibhai Patel Best Thesis Award. The title of thesis was “FORMULATION OF MEDICATED CHEWING GUM BY UTILIZING NATURAL GUM BASE ISOLATED FROM ELEUSINE CORACANA”. It is second consecutive year that the thesis from the institute has been shortlisted among best five theis from all over India.Our Founder Secretary, Prof. T.J.Sawant Sir congratulated Dr. Ashlesha Pandit and Dr.K.R.Khandelwal for this achievement.



### Shortlisted Candidates & their Research Guides: Year 2016-17

#### M. Pharm

##### Pharmaceutics & Pharmaceutical Technology

Student Name	Name of the Institute	Research Guide
Mr. Sudeep Pukale	Institute of Chemical Technology (ICT), Mumbai	Prof. Vandana B. Patravale
Ms. Yogita Bhanudas Kumbhar	JSPM Rajashri Shahu College of Pharmacy & Research, Pune	Dr. Ashlesha P. Pandit
Ms. Monika A. Patel	Anand College of Pharmacy, Anand	Mr. Lalji H. Baldaniya
Ms. Gurmeet Kaur	I.S.F. College of Pharmacy, Moga	Dr. Amit Kumar Goyal
Ms. Amrita Dikpati	AISSMS College of Pharmacy, Pune	Dr. A.R. Madgulkar