Odd Semester end report July 2020 – May 2021 AY 2020-21
Department of Pharmaceutics

Department Faculty-08
Dr. Munira Momin, Dr. Sujata P. Sawarkar, Dr. Padmini Ravikumar, Dr. Prabha Singh, Dr. Pramod Kadu, Dr. Meenal Rane, Dr. Prachi Pimple, Mr. Sankalp Gharat.

This report summarizes the various activities of the Dept. of Pharmaceutics in the odd semester of the academic year 2020-21 (July- Dec 2020).

1.Academic activity

- The faculty was involved in taking online lectures and laboratory sessions as per their workload and timetable for the odd semester AY 2020-21.
- The faculty regularly conducted chapter-end tests, tutorials, quiz and assignments to evaluate student understanding and preparation of the courses.
- The faculty actively conducted various examination related activities viz. University of Mumbai semester paper setting, paper correction, paper moderation, paper revaluation in addition to some OSM of B.Pharm and M. Pharm examinations.

2. Research activity
Publications- 16 TIF= 35.429
Book chapters-4Books- 03
Provisional patent applied- 3 1 Patent granted

Faculty	Title of the paper/ Name of the journal/ Publication date/ Impact factor/books/book chapter
Dr. Munira Momin	1. Quadros Mural, Momin, Munira and Verma Gunjan, Design strategies and evolving role of biomaterial assisted treatment of osteosarcoma Materials science and engineering Volume 121 February 2021, **(Impact factor: 5.88)** 2. Neha Desai, Munira Momin, Tabassum Khan, Sankalp Gharat, RS Ningthoujam, A Omri, Metallic nanoparticles as drug delivery system for the treatment of cancer, Expert Opinion on Drug Delivery, 14 Apr 2021:1-30 **(Impact factor: 4.838).** 3. Mihika Shringarpure, Sankalp Gharat, Munira Momin & Abdelwahab Omri (2020) Management of epileptic disorders using nanotechnology-based strategies for nose-to-brain drug delivery, Expert Opinion on Drug Delivery, DOI: 10.1080/17425247.2021.1823965**(Impact factor: 4.838).** 4. Tushar Baviskar, Munira Momin, Jingwen Liu, Bin Guo, Lokesh Bhatt, Target genetic abnormalities for the treatment of colon cancer and its progression to metastasis.2020/11/19Current Drug Targets **(Impact factor: 2.663)** 5. Munira Momin, Anamika Pandey, Anita Chando, Silver sulfadiazine loaded breathable hydrogel sponge for wound

	healing, Drug Metabolism and Personalized Therapy, DOI: https://doi.org/10.1515/dmpt-2020-0124, Published online:19 Aug 2020**(Impact factor: 0.91)**
Dr. Sujata P. Sawarkar	1. Mansi Damani, Krishna Baxi, Sujata P. Sawarkar, Recent advances in herbal drug nanocarriers against cervical cancer Critical Reviews™ in Therapeutic Drug Carrier Systems,38(1):37–78 (2021).**(Impact factor: 2.98)** 2. Vijay Yadav, Sujata P. Sawarkar, Novel drug delivery strategies and gene therapy regimen as a promising perspective for management of psoriasis Indian Journal of Dermatology Venereology and Leprology 87(3);333-340 doi: 10.25259/IJDVL_19 **(Impact factor 2.712)** 3. Bhagyesh Pendse, Mansi Damani, Sujata P. Sawarkar, Design And Development Of A Novel Gastroretentive Multiunit Particulate System And Colon Targeted Tablet In Capsule System For Effective Management Of Anaemia, International Journal of Pharmaceutical Sciences and Research IJPSR, 2021; Vol. 12(5): 2628-2640. **(Impact factor: 1.23)** 4. Pratiksha Prabhu Trinette Fernandes Pramila Chaubey ·Parvinder Kaur Shridhar Narayanan Ramya VK, Sujata P. Sawarkar, Drug Delivery and Translational Research https://doi.org/10.1007/s13346-021-01003-7 **(impact factor 2.664)** **BOOKCHAPTER** 5. Archana Pokkalath, Divya Nadar, Padmini Ravikumar, Sujata Sawarkar Nanomaterials for orthopaedic implants and applications in Handbook on Nano-biomaterials for Therapeutics and Diagnostic Applications – Elsevier Handbook on Nano Biomaterials for Diagnostic and Therapeutic Applications, 978-0-12-821013-0 B978-0-12-821013-0.00013-1 6. Akshada Mhaske, Sayali Dighe, Shruti Ghosalkar, VidhiTanna, PadminiRavikumar, Sujata P. Sawarkar, Limitations of current cancer theranostics in Cancer Nanotheranostics, in Nanotechnology in the Life Sciences" and published by Springer, New York, USA, https://www.springer.com/us/book/978-3-030-74329-1 7. Sweta Bhanushali, Vidhi Tanna, Yogesh Nimbalkar, Padmini Ravikumar, Sujata P. Sawarkar, Safety of nanobiomaterials for cancer nanotheranostics in Cancer Nanotheranostics, in Nanotechnology in the Life Sciences" and published by Springer, New York, USA, https://www.springer.com/us/book/978-3-030-74329-1 **BOOK** **Immunotherapy – A Novel Facet of Modern Therapeutics –**

	ISBN978-981-15-9038-2, published by Springer Nature Singapore Pvt. Ltd. **https://link.springer.com/book/10.1007/978-981-15-9038-2** **GRANTED PATENT** Pharmaceutical Hair gel- Patent No 361470 March 2021
Dr. Padmini Ravikumar	1. Diveshkumar,Amrita Date, Padmini Ravikumar and Rashmi Mallya, Pomegranate Peel: Extraction, Anthelmintic Activity and Formulation of Suspension, International Journal of Pharmaceutical Research, 2020, Supplementary Issue 1, 503-509. 2. Prabhu D and Ravikumar P: Microencapsulation: a strategy to surpass photo instability and low penetrability of skin lightening agents. Int J Pharm Sci& Res 2020; 11(7): 3433-41. Doi: 10.13040/IJPSR.0975-8232.11(7).3433-41. 3. Kinjal Jain and Padmini Ravikumar Recent advances in treatment of cartilage regeneration for knee osteoarthritis Journal of Drug Delivery Science and Technology Volume 60 , December 2020 https://www.sciencedirect.com/science/article/pii/S1773224720313034?dgcid=coauthor (Impact factor: 2.734) **BOOKCHAPTER** 4. Archana Pokkalath, Divya Nadar, Padmini Ravikumar, Sujata Sawarkar Nanomaterials for orthopaedic implants and applications in Handbook on Nano-biomaterials for Therapeutics and Diagnostic Applications – Elsevier Handbook on Nano Biomaterials for Diagnostic and Therapeutic Applications, 978-0-12-821013-0 B978-0-12-821013-0.00013-1 5. Akshada Mhaske, Sayali Dighe, Shruti Ghosalkar, VidhiTanna, PadminiRavikumar, Sujata P. Sawarkar, Limitations of current cancer theranostics in Cancer Nanotheranostics, in Nanotechnology in the Life Sciences" and published by Springer, New York, USA, https://www.springer.com/us/book/978-3-030-74329-1 6. Sweta Bhanushali, Vidhi Tanna, Yogesh Nimbalkar, Padmini Ravikumar, Sujata P. Sawarkar, Safety of nanobiomaterials for cancer nanotheranostics in Cancer Nanotheranostics, in Nanotechnology in the Life Sciences" and published by Springer, New York, USA, https://www.springer.com/us/book/978-3-030-74329-1

Dr. Prabha Singh	1. Pritam Kambli and Prabha Singh A Critical Review on Potential Advancements of Nanostructured Lipid Carriers in Drug Delivery, Current Nanomedicine (2020) 10: 298. December 2020. https://doi.org/10.2174/2468187310999200818110030 2. Prabha Singh and Shalan Dabre Controlled Release Gel Encompassing Curcumin Microspheres and Diclofenac Diethylamine for Feat Against Arthritis Inflammation, Current Rheumatology ReviewsVolume 16 , Issue 2 , 2020DOI **: 10.2174/1573397115666191105142827 ,(Impact Factor : 1.52**
Dr. Pramod Kadu	**BOOK** 1. **Life's PSP Passion, Skills and Profession,** ISBN number BO8P5BRSLF 2. Simplified concepts of Surface Tension https://www.amazon.in/dp/B091NZ79SC
Dr. Meenal Rane	1. Commiphora Mukul and Quercetin loaded liposphere gel: Potential treatment for Psoriasis, Indian Journal of Pharmaceutical Education and Research Vol 54,Issue 3, July-September2020 **(Impact factor: 1.23)**
Dr. Prachi Pimple	1. Prachi Pimple and Gaurav Doshi, Ozone Therapy: Paradox or Panacea in various ailments, International Journal of Pharmaceutical Sciences and Research (IJPSR) Volume 12 (2021) – Issue 2, February 2021**(Impact factor: 1.23)**
Mr. Sankalp Gharat	1. Mihika Shringarpure, Sankalp Gharat, Munira Momin & Abdelwahab Omri (2020) Management of epileptic disorders using nanotechnology-based strategies for nose-to-brain drug delivery, Expert Opinion on Drug Delivery, DOI: 10.1080/17425247.2021.1823965**(Impact factor: 4.838).** 2. Neha Desai, Munira Momin, Tabassum Khan, Sankalp Gharat, RS Ningthoujam, A Omri, Metallic nanoparticles as drug delivery system for the treatment of cancer, Expert Opinion on Drug Delivery, 14 Apr 2021:1-30 **(Impact factor: 4.838).**

Faculty	**Title of the patent**	**Application Number**	**Status**
Dr. Munira Momin	Development of nanoemulgel for arthritic inflammation and pain based on ethnomedicinal plants of Western India	Application no. 202021044492 submitted on 13-10-2020.	Provisional patent

	Fortified nutraceuticals of Acacia nilotica	Application no. 202021044504 submitted on 13-10-2020.	Provisional patent
	A Near-Infra Red (NIR) Fluorescence sensor for the selective detection of pathogenic protein agglomerates	Indian Patent no. 202021044512	Provisional patent
Dr. Sujata P. Sawarkar	Pharmaceutical Hair gel-	Patent No 361470 March 2021	**Granted Patent**

Research projects sanctioned/submitted

No. of govt. funded research projects submitted =01
No. of govt. funded research projects granted = 02 (RGSTC& CCRUM Ayush)

Faculty	**Title of the project**	**Name of the funding agency/PI/CI**	**Submission date/Outcome**
Dr. Sujata P. Sawarkar	Enrichment of Iron Supplement with Indigenous Herbs, Phytoconstituents for Reducing Oxidative Stress, Inflammation and Enhancing Bioavailability for Treatment of Anemia.	RGSTC – Co PI	Rs. 27,15,000/- Sanctioned on 16th Sept 2020. Project in collaboration with Kasturba Medical Centre
Dr. Munira Momin	Drug proving studies, mechanistic insight and development of novel drug delivery systems of UNIM H and UNIM R used in the treatment of arthritis in the Unani system of medicine.	AYUSH-CCRUM-EOI scheme CI	Rs. 45,26,720.00 Sanctioned on 9thOctober 2020

3. Continuing education activity

1. Conferences

Faculty	**Name of the event**	**Presented**	**Organized/ Attended**	**Dates**
Dr. Munira	4th Wroclaw	**Oral-**		October 9-10,

Momin	Scientific Meeting, Wroclaw Medical University, Wroclaw, Poland,	Development and evaluation of microsponge based topical gel for acne authored by Sanjana Menezes*, Tabassum Khan and Munira Momin.		2020
		Poster- Fabrication of Drug loaded Micro-needles for effective muscular pain relief authored by Nabeel Khan*, Kinjal Patel, Tabassum Khan and Munira Momin.		
Dr. Prabha Singh	1st Students Research Congress organized by SVKM's Dr. BNCP	1)Nanorobot as an innovation in health care 2)Coagulant Band-aids: Blood Clotting made easy		28th -30th September 2020

Dr. Meenal Rane	1st Students Research Congress organized by SVKM's Dr. BNCP	1) A Novel approach for the treatment of Ovarian cancer". 2) Herbal based Nanostructured lipid carrier for treatment of Psoriasis"		28th -30th September 2020
	National level competition on Covid infection	Poster presentation	Konkan Gyanpeeth Rahul Dharkar College of Pharmacy and Research institute in collaboration with IPA Raigad branch	25th September 2020
	Covid in nutshell	Oral presentation	METIOP	24th-26th July 2020

2. FDPs/STPP=

Name of faculty	S. No.	Details
Dr. Munira Momin		Attended AICTE sponsored six days short term training programme on "Computer applications in drug discovery" organised by Sat Kaival College of Pharmacy, Sarsa from 7th - 12th September 2020.
Dr. Sujata P. Sawarkar		1. one-week online Faculty Development Programme on 'Anti-infective Discovery and Development' organized by SVKM's Dr.

		Bhanuben Nanavati College of Pharmacy from 22nd to 27th June 2020. 2. Advances in Pharmaceutical Education organized by Oriental College of Pharmacy on 6th -11th July 2020. 3. Student Induction on Universal Human Values organized by AICTE on 1st -5th February 2021. 4. AICTE –ISPE approved Faculty Induction/Refresher program entitled "Multidisciplinary and Translational Drug Development-QbD in Pharma Development " organized by Anjuman-I-Islam's Kalsekar Technical Campus, School of Pharmacy on 24th-29th May 2021.
Dr. Padmini Ravikumar		--
Dr. Prabha Singh	1	One Week e-Faculty Development Programme on "Pharmaceutical Product Development: Challenges and Opportunities" from 15th- 19th June, 2020 organized Dr. L. H. Hiranandani College of Pharmacy, Ulhasnagar and Konkan Gyanpeeth Rahul Dharkar College of Pharmacy and Research Institute, Karjat in collaboration with Indian Pharmaceutical Association (IPA) and Association of Pharmaceutical Teachers of India (APTI).
	2	Completed one-week e-FDP on "Advances in Pharmaceutical Education based on PCI syllabus" organised by Oriental College of Pharmacy, 6th-11th July, 2020
	3	Attended Faculty Development Program on Virtual Practical Training, organized by Internal Quality Assurance Cell (IQAC), MET's Institute of Pharmacy, Nashik, 27th -30th July 2020.
	4	Attended one week AICTE-sponsored one-week Short-Term Teacher Training Program on "Digital Pedagogy"at BNCP from 14th September 2020-19th September 2020
	5	AICTE-sponsored one-week Short-Term Teacher Training Program on "Digital Pedagogy" organized by SVKM's Dr.Bhanuben Nanavati College of Pharmacy, 14th- 19th Sept, 2020
	6	Student Induction on Universal Human Values organized by AICTE on 1st -5th February 2021.
	7	AICTE –ISPE approved Faculty Induction/Refresher program entitled "Multidisciplinary and Translational Drug Development-QbD in Pharma Development" organized by Anjuman-I-Islam's Kalsekar Technical Campus, School of Pharmacy on 24th-29th May 2021.
Dr. Pramod Kadu	1	Attended one week AICTE-sponsored one-week Short-Term Teacher Training Program on "Digital Pedagogy"at BNCP from 14th September 2020-19th September 2020
	2	Student Induction on Universal Human Values organized by AICTE on 1st -5th February 2021.
Dr. Meenal	1	Participation and successful Completion of Two Week Online AICTE

Rane		Sponsored Faculty Development Programme Phase - 1 titled "Importance of Innovation and Research Culture to Inculcate Startup and Entrepreneurship organised by Konkan Gyanpeeth Rahul Dharkar College of Pharmacy & Research Institute, Karjat, Dist. Raigad form 15th March-26th March2021.
	2	AICTE-ISTE Sponsored one week Induction program on " Multidisciplinary and Translational Drug Development AI in healthcare organized by Anjuman-I-Islam's Kalsekar Technical Campus from 5th April-13th April2021.
	3	One-Week Faculty Induction/Refresher Program on "QbD in Pharma Development" organized by Anjuman-I-Islam's Kalsekar Technical Campus from 24th May-29th May2021
	4	Two Week AICTE Sponsored Online Faculty Development Programme - Title: Innovation, Startup And Entrepreneurship Development In Pharmaceutical Sciences organsied by Konkan Gyanpeeth Rahul Dharkar College of Pharmacy and Research Institute, Karjat from 20th May-29th May2021
Dr. Prachi Pimple	1	Attended AICTE sponsored Short Term Training Program on Novel Experimental Techniques in Preclinical Research for CNS Disorders organized by Smt. Kishoritai Shrotiya college of Pharmacy from 27th July to 1 st August 2020
	2	Attended ATAL FDP on stress management from 26th August to 30th August 2020
	3	Attended ATAL FDP on OECD Principles of GLP from 22nd Sept to 26th Sept 2020
	4.	Attended one-week AICTE-sponsored Short-Term Teacher Training Program on "Digital Pedagogy"at BNCP from 5th October 2020-10th October 2020.
	5	Student Induction on Universal Human Values organized by AICTE on 1st -5th February 2021.
Mr. Sankalp Gharat	1	Attended one-week AICTE-sponsored Short-Term Teacher Training Program on "Digital Pedagogy" at BNCP from 14th October 2020-19th October 2020.
	2	Attended one week FDP on "Multidisciplinary and Translational Drug Development" organized by Anjuman-I-Islam's Kalsekar Technical Campus, Sponsored by AICTE-ISTE from 7th December to 12th December 2020.
	3	Student Induction on Universal Human Values organized by AICTE on 1st -5th February 2021.
	4	One week FDP on "Human Behaviour" organized by IIT Guwahati, NPTEL-AICTE-FDP, Funded by Ministry of HRD, Govt. of India in March 2021
	5	One week FDP on "Soft Skill Development" organized by IIT Kharagpur, NPTEL-AICTE-FDP, Funded by Ministry of HRD, Govt. of India in March 2021

Total	**14 different FDPs**	

3. SWAYAM/MOOCS= 4

Name of faculty	Name of course	No of weeks	Grade obtained	Date of completion	University	Certificate received& submitted
Dr. Munira Momin	**NIL**					
Dr. Sujata P. Sawarkar	**NIL**					
Dr. Padmini Ravikumar	**NIL**					
Dr. Prabha Singh	**NIL**					
Dr. Pramod Kadu	**NIL**					
Dr. Meenal Rane	Developing soft skills and personality	8	75%	November 2020	NPTEL	**Y**
Dr. Prachi Pimple	Consumer Psychology	8	75%	November 2020	NPTEL	Y
	Marketing Management	8	57%	November 2020	NPTEL	Y
	Educational Leadership	8	60%	November 2020	NPTEL	Y
	Science Society and Technology	8	78%	November 2020	NPTEL	Y
Mr. Sankalp Gharat	Human Behaviour	8	80%	March 2021	NPTEL	Y
Total SWAYAM/ MOOCS courses	**4**					

4. Coursera courses= 19 different courses

Name of faculty	Name of the course	No. of weeks	Grade	Date of completion	University	Certificate received& submitted
Dr. Munira Momin	Introduction to cancer biology	4	94%	July 18, 2020	Johns Hopkins University	Y
	Understanding Cancer Metastasis	3	100 %	July 30, 2020	Johns Hopkins University	Y
Dr. Sujata P. Sawarkar	Introduction to cancer biology	4	91.19%	July 16, 2020	Johns Hopkins University	Y
	Understanding	3	92.73%	Jan 10, 2021	Johns Hopkins	Y

	Cancer Metastasis				University	
Dr. Padmini Ravikumar	Learning to Teach Online	6	85%	July 4th 2020	University of New South Wales, Sydney	Y
						Y
Dr. Prabha Singh	Antimicrobial resistance - theory and methods	5	81%	July 25th 2020	Technical University of Denmark (DTU)	Y
	How to Write and Publish a Scientific Paper (Project-Centered Course)	4		Ongoing	École Polytechnique	Ongoing
Dr. Pramod Kadu	Antimicrobial resistance: Theory and Methods	5 weeks	%	August 6th 2020	Technical University of Denmark	Y
Dr. Meenal Rane						
	How to write and publish scientific Paper	4 weeks	90%	July 2020	Ecole Polytechnic	Yes
	Leadership and Emotional Intelligence	4 weeks	83%	August 2020	Indian school of Business	Yes
	Initiating and planning Projects	6 weeks	86%	August 2020	University of California, Irvine	Yes
	Work smarter, not harder : Time management for Personal And Professional Activity	4 weeks	96%	August 2020	University of California, Irvine	Yes
	Learning to Teach Online	5 weeks	70%	August 2020	University of New South Wales, Sydney	Yes
	Teaching in University science laboratories	7 weeks	86%	September 2020	University of Amsterdam	Yes
	AI For Everyone	4 weeks	93.75%	June 2021	Deep Learning,AI	Yes

Dr. Prachi Pimple	Anatomy: Cardiovascular Respiratory and Urinary Systems	4	81.92%	July 6th 2020	University of Michigan	Yes
	Initiating Planning Projects	4	89.20%	July 19th 2020	University of California	Yes
Mr. Sankalp Gharat	Understanding Cancer Metastasis	3 weeks	98.58 %	July 15th 2020	Johns Hopkins University	Yes
	Introduction toMolecular Spectroscopy	4 weeks	93 %	July 14th 2020	University of Manchester	Yes
	Introduction to Biology of Cancer	6 weeks	100 %	July 6th 2020	Johns Hopkins University	Yes
	Drug Discovery	3 weeks	99.27 %	July 15th 2020	University of California, SanDiego	Yes
	Drug Development	3 week	96.01 %	July 9th 2020	University of California, SanDiego	Yes
	Cancer Prevention: Web-based Activity	1 week	100 %	July 15th 2020	University of Virginia	Yes
	Covid-19 Contact Tracing	1 week	98.93 %	July 11th 2020	Johns Hopkins University	Yes
	Finding Purpose and Meaningin life:Living for what matters	4 week	97.50 %	July 14th 2020	University of Michigan	Yes
	Time management for Personal and Professional Productivity: Work Smarter, Not Harder	4 week	93.30 %	July 9th 2020	University of California, Irvine	Yes
	Fundamental Neuroscience for	4 week	94.09	August 7th 2020	Johns Hopkins University	Yes

	Neuroimaging	s	%			
	Antimicrobial resistance: Theoryand Methods	5 weeks	89.03 %	August 8th 2020	Technical University of Denmark	Yes
	Initiating and planning Projects	6 weeks	100 %	August 8th 2020	University of California, Irvine .	Yes
Total Coursera course	**19 different courses**					

5. Webinars= 31 different webinars

Name of faculty	S. No.	Details
Dr. Munira Momin	1	The World Has Changed: Healthcare During COVID-19 - Finding Opportunities During a Crisis, Organized by TED x Gateway, 16th August 2020
	2	The World Has Changed: Finding The Balance Between Technology & Well-Being, Organized by TED x Gateway, 12th August 2020
	3	Attended three days Business Fair and business idea contest, organized by the Student Start-up, Innovation and Entrepreneurship Development Cell, SVKM's Dr. BNCP, August 27-29, 2020
	4	Attended "Funding Opportunities and Global Learning for Higher Education and Research in Pharmaceutical Sciences: Prof Development Program" on 3rd September 2020.
Dr. Sujata P. Sawarkar	1	Attended "Funding Opportunities and Global Learning for Higher Education and Research in Pharmaceutical Sciences: Prof Development Program" on 3rd September 2020.
	2	Development of human monoclonal antibodies in National workshop Manufacturing, Characterization and Clinical Applications of Monoclonal Antibodies organized by Controlled Release Society on 10th October 2020.
	3	Exploring Novel Mechanistic pathways and Targets for Cancer and Wound healing organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 26th October 2020
	4	Selection of Pharmaceutical Excipients' in association with Signet Excipients Pvt. Ltd. organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 7th November 2020.
	5	Attended, 'Institutionalizing Value Education at University of Mumbai as per new Education Policy' on 21st November 2020 on behalf of college. The event organized by University Human Values Cell & IQAC, University of Mumbai.
	6	Attended Multifunctional Nanomedicine Platforms for Imaging and Treatment of Cancer and Endometriosis" – Speaker Dr. OlehTaratula Associate Professor, College of Pharmacy, Oregon State University, USA, on 30th November 2020-

		organized by SVKM's NMIMS SPPSPTM
	7	Webinar-Pharmaceutical Excipients for Modified Release Dosage Forms in collaboration with ShinEtsu I Ltd. on 24th February 2021
Dr. Padmini Ravikumar	**NIL**	
Dr. Prabha Singh	1	The Future of Learning: The Role of Teacher & The Mind of Student organized by School of Pharmacy and Technology Management, SVKM'S NMIMS, Hyderabad on 4th July 2020
	2	Synthia: Retro Synthesis organized by KLE college of Pharmacy, Bangaluru on 6th July 2020
	3	Judicious Selection of Lubricants in Developing Robust Formulations" organized by 10th July 2020
	4	"Practical approaches for solubility enhancement of poorly water-soluble drugs." organized by Principal K. M. Kundnani College of Pharmacy on 11th July 2020
	5	Academic Engagement in Digital Platforms A Practical Guide" organized by KLE college of Pharmacy, Bangaluru on 14th July 2020
	6	Inspiring Teachers through Self-Leadership" organized by D Y Patil University School of Pharmacy, Navi Mumbai on 16th July 2020
	7	RUSA-sponsored, "Patent and Patenting Process" organized by Sir Sitaram And Lady Shantabai Patkar College Of Arts And Science And V.P.Varde College Of Commerce And Economics on 18th July 2020.
	8	Virtual Laboratory Experiments in Pharmacy, organized by Y. B. Chavan College of Pharmacy, Aurangabad on 26th July 2020
	9	Technologies for Co-crystallization and Innovation,knowledge transfer and Commercialization in the academic set-ups organized by Principal K. M. Kundnani College of Pharmacy on 31st July & 1st August 2020
	10	Design of Experiments in Pharmaceutical research& Development: A Primer For Academia organized by VES College of Pharmacy on 3rd to 5th August, 202
	11	Business Fair on Part-Time and Full-Time Business Opportunities inPharmaceutical, Life Sciences and Health Care Sector organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 27th -29th August 2020.
	12	Sublinguals – Highly efficacious dosage form for delivering MetabolizableDrugs, Peptides & Vaccines" organized by IPEC India on 4th September 2020
	13	Advanced Drug Delivery Systems organized by Principal K. M. Kundnani College of Pharmacy on 19th September 2020
	14	Natural molecules as significant immuno-modulators and antiviral agents against SARS-COV-2/ COVID 19 organized by Society of Pharmaceutical Sciences and Research (SPSR) on 18th October 2020.
	15	Selection of Pharmaceutical Excipients' in association with Signet Excipients Pvt. Ltd. organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacyon 7th November 2020.
	16	Webinar-Pharmaceutical Excipients for Modified Release Dosage Forms in collaboration with ShinEtsu I Ltd. on 24th February 2021
	17	Two Days ISTE Approved Workshop" Stepping Towards Problem And Project Based Learning" organized by Center for Innovative Teaching & Exuberant Learning (CiTeL), Anjuman-I-Islam's Kalsekar Technical Campus, New Panvel from 5-6 March 2021

Dr. Pramod Kadu	1	Covid -19: A new guest in the city- Biome, 18th Aug. 2020.
	2	Business Fair on Part-Time and Full-Time Business Opportunities in Pharmaceutical, Life Sciences and Health Care Sector organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 27th -29th August 2020.
	3	Exploring Novel Mechanistic pathways and Targets for Cancer and Wound healing organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 26th October 2020.
	4	Webinar-Pharmaceutical Excipients for Modified Release Dosage Forms in collaboration with ShinEtsu I Ltd. on 24th February 2021
Dr. Meenal Rane	1	Webinar on Step-by Step guide to write Review paper and publish it organized by Research Graduate online on 6th March2021
	2	online webinar on Multifunctional Nanomedicine Platforms for Imaging and Treatment of Cancer and Endometriosis organized by SVKM'S SPPSPTM on 30th Nov2020.
	3	Webinar on Funding Opportunities and Global Learning for Higher education and research in Pharmaceutical Sciences: Prof Development Program on 3rd Sep2020.
	4	Webinar by Swami Swatmananda Saraswati of Chinmaya Mission on "Inspiring the Teacher through Self-Leadership" organized by D Y Patil University School of Pharmacy.
	5	Attended the online National webinar on Design of experiments in PharmaceuticalResearch and Development A Primer for Academia organized by VESCOP from 3rd Aug -5th Aug2020.
	6	Women Empowerment summit 2020 organsied by Konkan Gyanpeeth Dharkar College of Pharmacy and Research institute ,Karjat from 31st July-2nd Aug2020.
Dr. Prachi Pimple	1	Sleep disorder unmet public health organized by D.D Vispute college of Pharmacy on 15th July 2020
	2	Webinar-Pharmaceutical Excipients for Modified Release Dosage Forms in collaboration with ShinEtsu I Ltd. on 24th February 2021
Mr. Sankalp Gharat	1	Business Fair on Part-Time and Full-Time Business Opportunities in Pharmaceutical, Life Sciences and Health Care Sector organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 27th -29th August 2020.
	2	Attended Webinar on Ingredient-pharm- Neutral and Functional Starter Pellets, Organized by Arihant Innochem Pvt.Ltd, August2020
	3	Attended "Funding Opportunities and Global Learning for Higher Education and Research in Pharmaceutical Sciences: Prof Development Program" on 3rd September 2020.
	4	Exploring Novel Mechanistic pathways and Targets for Cancer and Wound healing organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 26th October 2020
	5	Webinar-Pharmaceutical Excipients for Modified Release Dosage Forms in collaboration with ShinEtsu I Ltd. on 24th February 2021
Total webinars	**32 webinars**	

6. Workshops= 4

Name of	**S.**	**Details**

faculty	No.	
Dr. Munira Momin	1	Completed one-week ORACLE use training program Parivartan II- training session organized by SVKM, July 13-22, 2020.
	2	Learning administrator training workshop – Oracle Cloud, organized by SVKM, Oct 28-31, 2020
Dr. Sujata P. Sawarkar	1	Completed one-week ORACLE use training program Parivartan II- training session organized by SVKM, July 13-22, 2020.
	2	Participated in online 'Orientation Workshop on Pharmaceutics Subjects Under Revised Syllabus 2019 in S. Y. B. Pharm' organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 23rd& 24th July, 2020 for the courses- Physical Pharmaceutics I (Theory and Practicals), Pharmaceutical Engineering (Theory and Practical)
Dr. Padmini Ravikumar	1	Completed one-week ORACLE use training program Parivartan II- training session organized by SVKM, July 13-22, 2020.
	2	Participated in online 'Orientation Workshop on Pharmaceutics Subjects Under Revised Syllabus 2019 in S. Y. B. Pharm' organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 23rd& 24th July, 2020 for the courses- Physical Pharmaceutics I (Theory and Practicals), Pharmaceutical Engineering (Theory and Practical)
Dr. Prabha Singh	1	Completed one-week ORACLE use training program Parivartan II- training session organized by SVKM, July 13-22, 2020.
	2	Participated in online 'Orientation Workshop on Pharmaceutics Subjects Under Revised Syllabus 2019 in S. Y. B. Pharm' organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 23rd& 24th July, 2020 for the courses- Physical Pharmaceutics I (Theory and Practicals), Pharmaceutical Engineering (Theory and Practical)
Dr. Pramod Kadu	1	Completed one-week ORACLE use training program Parivartan II- training session organized by SVKM, July 13-22, 2020.
	2	Participated in online 'Orientation Workshop on Pharmaceutics Subjects Under Revised Syllabus 2019 in S. Y. B. Pharm' organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 23rd& 24th July, 2020 for the courses- Physical Pharmaceutics I (Theory and Practicals), Pharmaceutical Engineering (Theory and Practical)
Dr. Meenal Rane	1	Completed one-week ORACLE use training program Parivartan II- training session organized by SVKM, July 13-22, 2020.
	2	Participated in online 'Orientation Workshop on Pharmaceutics Subjects Under Revised Syllabus 2019 in S. Y. B. Pharm' organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 23rd& 24th July, 2020 for the courses- Physical Pharmaceutics I (Theory and Practicals), Pharmaceutical Engineering (Theory and Practical)
Dr. Prachi Pimple	1	Completed one-week ORACLE use training program Parivartan II- training session organized by SVKM, July 13-22, 2020.
	2	Participated in online 'Orientation Workshop on Pharmaceutics Subjects Under Revised Syllabus 2019 in S. Y. B. Pharm' organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 23rd& 24th July, 2020 for the courses- Physical Pharmaceutics I (Theory and Practicals), Pharmaceutical Engineering (Theory and Practical)
Mr. Sankalp Gharat	1	Completed one-week ORACLE use training program Parivartan II- training session organized by SVKM, July 13-22, 2020.
	2	Participated in online 'Orientation Workshop on Pharmaceutics Subjects Under

		Revised Syllabus 2019 in S. Y. B. Pharm' organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 23rd& 24th July, 2020 for the courses- Physical Pharmaceutics I (Theory and Practicals), Pharmaceutical Engineering (Theory and Practical)
	3	"Developing effective Rubrics" by Dr. Prachi Gharpure organized by SVKM on 25th May 2021.
Total	**4**	

May 2021	Resource person		04/05/2021 One day		Yes

Invited talks= 14

Name of faculty	S. No.	Details
Dr. Munira Momin	1	Invited speaker at AICTE sponsored six days short term training programme on "Computer applications in drug discovery" organised by Sat Kaival College of Pharmacy, Sarsa from 7th - 12th September 2020
	2	Delivered Talk on "Critical material attribute and Critical process parameters: Important pillers of QbD", Organized by Shri Swaminarayan sanskar College of Pharmacy, in collaboration GUJCOST and state govt. of Gujarat Gandhinagar, 5th October 2020
	3	Delivered a talk on Quality by Design for Generic Drugs: A case study, organised by School of Pharmacy, Parul University, Vadodara, GUJCOST sponsored National Workshop on Generic Formulations Development: Bench to Bedside, 9thDecember 2020
	4	Delivered a talk on Funding Opportunities and Global Learning for Higher education and research in Pharmaceutical Sciences: Prof Development Program by Dr. Munira Momin (Full Bright Fellowship), 3rd September 2020
	5	Relevance of Collaborative Learning and Research in Pharmacy Education, on 23 October 2020 at Chitkara University, institute of Pharmacy, Haryana
	6	Resource person in Webinar on Accreditation and NIRF Ranking System in Higher Education Institutes : An Overview organized by D Y Patil college of Pharmacy, Akurdi, Pune, on 4th May 2021
Dr. Sujata P. Sawarkar	1	Resource person and speaker for AICTE-sponsored Short-Term Training Program (STTP) on 'Digital Pedagogy' at SVKM's BNCP. Delivered lecture on Learning Management System on 16th September 2020

	2	Resource person and speaker for AICTE-sponsored Short-Term Training Program (STTP) on 'Digital Pedagogy' at SVKM's BNCP. Delivered lecture on Learning Management System on 7th October 2020
	3	Speaker and resource person - delivered talk entitled " The nuts and bolts of research proposal writing" organized by 20th March 2021.
Dr. Prabha Singh	1	Resource person and speaker for AICTE-sponsored Short-Term Training Program (STTP) on 'Digital Pedagogy' at SVKM's BNCP. Delivered lecture on ICT in Learner-Directed Learning 16th September 2020
	2	Resource person and speaker for AICTE-sponsored Short-Term Training Program (STTP) on 'Digital Pedagogy' at SVKM's BNCP. Delivered lecture on ICT in Learner-Directed Learningon 7th October 2020
	3	Reseource person for AICTE internship programme conducted in February 2021
Dr. Pramod Kadu	1	Resource person and speaker for AICTE-sponsored Short-Term Training Program (STTP) on 'Digital Pedagogy' at SVKM's BNCP. Delivered lecture on Interactive Teaching And Learningon 14th September 2020
	2	Resource person and speaker for AICTE-sponsored Short-Term Training Program (STTP) on 'Digital Pedagogy' at SVKM's BNCP. Delivered lecture on Interactive Teaching And Learning on 5th October 2020
Mr. Sankalp Gharat	1	Delivered talk entitled "Advancements in Molecular targeted therapies for management of osteosarcoma" at One day seminar on Exploring Novel Mechanistic pathways and Targets for Cancer and Wound healing" organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 26th October 2020
	2	resource person (speaker) at One week Induction/Refresher Programme on "Current Trends in Drug Discovery and Formulation Development" Phase III, Title of the talk- "Outcome based Nano-formulations for Management of Cancer" Organized by Parul University of Pharmacy and Research, in collaboration with AICTE-ISTE, on 10th May 2021.

Extra-academic/ Extra-curricular activity

Faculty	**Activity details with dates**

Dr. Munira Momin	1. Appointed as a Coordinator for Online exam for Cluster 3 for appointment letters (12/09/2020 till 20/10/2020) 2. Convenor for 3-day Business fair under Student Start-up, Innovation and Entrepreneurship Development Cell conducted on 27th to 29th August 2020. 3. Organised one-week AICTE-sponsored one-week Short-Term Teacher Training Program on Digital Pedagogy at BNCP from 14th September 2020-19th September 2020 4. Organised on- week AICTE-sponsored one-week Short-Term Teacher Training Program on Digital Pedagogy at BNCP from 5th October 2020-10th October 2020 5. Was a co-ordinator for initiating the Memorandum of Understanding of BNCP with Ajman University and Dubai College of Pharmacy
Dr. Sujata P. Sawarkar	1. HOD Pharmaceutics 2. PhD Coordinator 3. Placement coordinator 4. Core Committee Member of NBA and NAAC 5. In-charge for Criteria 3for NBA and criteria 1for NAAC 6. Member of CDC and IQAC 7. Completed the formalities for registration of institute with Life Sciences Sector Skill Development Council, NSDC, Govt. of India. 8. Coordinator for SVKM's C.B. Patel Research Centre till October 2020. 9. Faculty for Cosmeticology and Perfumery Course conducted at SVKM's C.B. Patel Research Centre 10. Syllabus discussion meetings for SY B. Pharm Sem III (Revised 2019) for Pharm. Engg and Phy. Pharmaceutics on 23rd and 24th July 2020. **Subject expert for Physical Pharmaceutics I & Pharm. Engineering** 11. Organized One day seminar on Exploring Novel Mechanistic pathways and Targets for Cancer and Wound healing" on 26th October 2020. 12. Invited as Judge for Innovative Idea Challenge competition organized as part of 1st Students Research Congress at SVKM's BNCP on 30th September 2020. 13. Organized Webinar-Pharmaceutical Excipients for Modified Release Dosage Forms in collaboration with ShinEtsu I Ltd. on 24th February 2021
Dr. Padmini Ravikumar	1. NAAC core committee member 2. Coordinated short term certificate course in Pharmacovigilance

Dr. Prabha Singh

1. M.Pharm Coordinator
2. Internship coordinator
3. Core Committee Member of NBA and NAAC
4. In-charge for Criteria 7for NBA and criteria 5 for NAAC
5. Cultural Incharge
6. PHO & Dayitva Coordinator- The cell organized following activities

Sr.no	Date of event	Name of the event
PHO EVENTS		
1	1-7 September 2020	World Nutrition Week
2	10 September 2020	World Suicide prevention day
3	17 September 2020	Patient safety day
4	21 September 2020	World Alzheimer's Awareness Day
5	26 September 2020	World Pharmacist Day Celebration
6	28 September 2020	World Rabies Day
7	29 September 2020	World Heart Day
8	10 October 2020	World Mental Health Day
9	12 October 2020	World Arthritis Day
10	14 October 2020	Skin Health Day
11	15 October 2020	Global Hand-Washing Day
12	16 October 2020	World Food Day
13	20 October 2020	World Osteoporosis Day
14	21 October 2020	World Iodine Deficiency Day
15	24 October 2020	World Polio Day
DAYITVA EVENTS		
1.	25 September	Dayitva - Pure smiles
2.	10 December	Dayitva - Budding equality
TECHNICAL EVENT		
1	25th November to 29th November	WE-RXperts
ALUMNI EVENT		
1	29th November 2020	Alumni Enunciation Meet
EDC EVENTS – Student Cell		
1	10th Sept – 3rd Oct	What is an Entrepreneur and Entrepreneurial Traits
2	17th Oct – 25th Oct	Navratri Week 9 Women Entrepreneur Quotes
3	24th Oct	Bizplaining Session 1: Deep Dive into Regulatory Affairs
4	16th – 21st Nov	Logo Quizzes (Pharmacy, Food, Car, Fashion, Banks Décor)
5	25th Nov	Brand Wars

7. Organized Syllabus discussion meetings for SY B. Pharm

	Sem III (Revised 2019) for Pharm. Engg on 23rd July 2020. **Chairman & Subject expert for Pharm. Engineering.** 8. Organized and Co-ordinated for Journal Club Sessions for M. Pharmacy Students (Pharmaceutics)
Dr. Pramod Kadu	1. Organized Part-Time and Full-Time Business Opportunities in Pharmaceutical, Life Sciences and Health Care Sector" August 27th - 29th, 2020. 2. Organized & Moderated technical sessions of MSME, Mr. Shailendra Singh, Assistant Director, Mrs. Bhagyeshri Sathe, Deputy Director, Indian Statistical Services, (ISS).Mr. Saurabh Mishra and Ms. Rohini Singh from Onewebtag Media – talk entitled "Business Online" & Mr. Deepak Redgaonkar, Founder Director Empower Incorp. Talk: The Nuts and Bolts of Entrepreneurship' 3. Invited as Judge for presentations of 1st Students Research Congress at SVKM's BNCP organized in September 2020.
Dr. Meenal Rane	1. Syllabus discussion meetings for SY B. Pharm Sem III (Revised 2019) for Pharm. Engg and Phy. Pharmaceutics on 23rd and 24th July 2020. **Subject expert for Physical Pharmaceutics I** 2. **Organized** Selection of Pharmaceutical Excipients' in association with Signet Excipients Pvt. Ltd. organized by SVKM's Dr. Bhanuben Nanavati College of Pharmacy on 7th November 2020.
Dr. Prachi Pimple	1. Second Year Class Coordinator 2. Placement coordinator 3. Syllabus discussion meetings for SY B. Pharm Sem III (Revised 2019) for Pharm. Engg and Phy. Pharmaceutics on 23rd and 24th July 2020. **Subject expert for Pharm. Engineering**
Mr. Sankalp Gharat	1. Third year Class Coordinator 2. Organized Online Sports committee event-"Your Health Matters" on YouTube live on 28th September 2020. 3. Organized Online Sports committee even – BNCP's Fit Freak Challenge Event 26th Sept 2020 4. Member of Organizing committee for conducting 1st Student Research Congress on e- platform, event on 28th September 2020- to 30th September 2020 5. Organized One day seminar on Exploring Novel Mechanistic pathways and Targets for Cancer and Wound healing" on 26th October 2020. 6. Organized and Co-ordinated for Journal Club Sessions for M. Pharmacy Students (Pharmaceutics) 7. Organized Webinar-Pharmaceutical Excipients for Modified Release Dosage Forms in collaboration with ShinEtsu I Ltd. on 24th February

	2021

Faculty awards - Nil

Faculty outside world interaction

Faculty	Details with dates
Dr. Munira Momin	1. PHD Thesis Review of progress (NMIMS, SDSOS) 17th October 2020 2. PhD thesis evaluator, ICT, 13th October 2020 3. As a Chairperson,for webinar on Good Clinical Practices: Foundation Course in Good Clinical Practices and Current Challenges for Integrated health care system, organized by Kasturba Health Society Medical Research Center and Inter system Biomedical Ethics Committee, 31-10-2020 to 01-11-2020. 4. As a Chairperson, International Conference on Pharmaceutics and Pharmaceutical Technology: Exploring Myriads of Pharma - PHARMTECH2020, organized by L M College of Pharmacy, Ahmedabad, in collaboration with AICTE and GUJCOST – DST, 28th – 30th Oct 2020.
Dr. Sujata P. Sawarkar	1. PhD Technical Advisory Meeting (NMIMS SDSOS) on 3rd July 2020. 2. Invited as Subject expert by Maharashtra Public Service Commission (MPSC) to conduct interviews of Drug Inspector and Assistant Commissioner on 4th August 2020. 3. Reviewer for Journal of Cosmetic Dermatology, AAPS Pharmascitech. 4. Examiner and Paper setter for Pharmaceutics for B.Pharm appointed by University of Mumbai. 5. Chaired and moderated the session entitled Development of human monoclonal antibodies in National workshop Manufacturing, Characterization and Clinical Applications of Monoclonal Antibodies organized by Controlled Release Society on 10th October 2020. 6. Participated in evaluation of the Skill Vigyan proposal for DBT support on behalf of BNCP on 27th November 2020 7. Participated in research collaboration meeting of Ajman University on 30th November 2020 8. Invited as subject expert for Ph.D. selection interview at Bombay College of Pharmacy on 26th February 2021 9. Invited as subject expert for staff selection by D Y Patil

	College of Pharmacy on 1st June 2021.
Dr. Padmini Ravikumar	1. Participated in evaluation of the Skill Vigyan proposal for DBT support on behalf of BNCP on 27th November 2020.
Dr. Prabha Singh	Nil
Dr. Pramod Kadu	Nil
Dr. Meenal Rane	Nil
Dr. Prachi Pimple	Nil
Mr. Sankalp Gharat	1. Invited as a reviewer for book chapter by Springer for Manuscript titled "Chatbots for Coronavirus: Detecting COVID-19 Symptoms with Virtual Assessment Tool" September 2020.

Summary of department continuous education and skill building activity

Faculty	SWAYAM/ MOOCS	Coursera courses	FDP	Workshops/ Training programs	Conferences (paper presented)	Webinars
Dr. Munira Momin	-	2	1	2	1	4
Dr. Sujata P. Sawarkar	-	2	-	2	-	6
Dr. Padmini Ravikumar	-	1	-	2	-	-
Dr. Prabha Singh	-	7	3	2	2	17
Dr. Pramod Kadu	-	1	1	2	-	4
Dr. Meenal Rane	1	7	4	2	3	6
Dr. Prachi Pimple	4	2	4	2	-	2
Mr. Sankalp Gharat	-	12	2	3	-	5

SVKM Management support (Faculty welfare/appreciation)

Faculty	Conference/Workshop/Seminar support (Rs)	Research Publication incentive (Rs)
Dr. Munira Momin	Nil	89,999
Dr. Sujata P. Sawarkar	Nil	54,166
Dr. Padmini Ravikumar	Nil	

Dr. Prabha Singh	Nil	
Dr. Pramod Kadu	Nil	
Dr. Meenal Rane	Nil	
Mr. Sankalp Gharat	Nil	
Dr. Prachi Pimple	Nil	

Google scholar citations till June 2021

Faculty	Google scholar citations	h-index	i10-index
Dr. Munira Momin	853	16	22
Dr. Sujata P. Sawarkar	93	5	2
Dr. Padmini Ravikumar	225	7	5
Dr. Prabha Singh	18	3	0
Dr. Pramod Kadu	57	4	2
Dr. Meenal Rane	7	2	0
Dr. Prachi Pimple	-	-	-
Mr. Sankalp Gharat	112	3	2

Research activity summary

Research head	Number
Research projects sanctioned	02 [CCRUM, AYUSH + RGSTC] (Rs. 45,26,720.00 + Rs 27,15,000)
Research projects submitted	1
Industry consultancy	CDA initiated for FNDR
Total grant	02 [CCRUM, AYUSH + RGSTC] (Rs. 45,26,720.00 + Rs 27,15,000)
Publications	16
Total impact factor of dept.	35.429
Books/book chapters	BOOK: 3

	Book Chapter: 04
Patent (provisional)	03 + 1 granted

Prepared by

Dr. Sujata P. Sawarkar
21st June 2021