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Shri Vile Parle Kelavani Mandal's Institute of Pharmacy, Dhule



# Editorial Committee: **Dr. Sameer Goyal** Editor in Chief

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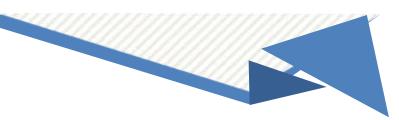
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#### Vision

To pursue excellence in pharmaceutical education and research to develop competent professionals.

#### Mission

**M1:** To impart quality pharma education that leads to a self-reliant student community through efficient faculty and state-of-the-art infrastructure.

**M2:** To inculcate professional skills to cater current needs of the pharmaceutical industry.

**M3:** To develop the center of excellence in pharmaceutical research and training.

**M4:** To nurture holistic development of pharmacists contributing to the sociohealthcare system





Dr. Sameer Goyal

Principal, SVKM's Institute of
Pharmacy, Dhule



Ms. Priyanka V. Patil,
M. Pharm.,
(Pharmaceutical Science)

#### From the Desk of Principal

SVKM's Institute of Pharmacy, Dhule is one of the premier institute in the region of North Maharashtra for quality education and has been progressing at an exponential rate since 2017. The ways we teach and the ways our students learn are unique and creative. The knowledge base and adaptability is high among today's students. The entire calendar of events was diligently followed with complete effective execution. Each festival and occasions of importance to pharmacists were celebrated in a big way. Many notable achievements have been recorded since then. These merits and credits have seldom been known to public and the authority due to the lack of showcasing or projecting through a medium. This E-bulletin is a medium which will bridge the gap between achievements and publicity.

#### Dr. Sameer Goyal

From Editor

Dear Friends.

I am extremely happy to hand over this issue of E Bulletin 2021 which has been serving as a platform to highlight the glance, achievements, events and many more of SVKM's IOP Family.

I would like to place on record my gratitude and heartfelt thanks to our beloved Principal, Dr. S. N. Goyal for his constant afflatus and thriving auspice for bringing out this institutional E Bulletin. I am also grateful to all teaching staff, non-teaching staff, and students for extending their cooperation and contribution to make this effort a success.

I wish a happy voyage to the readers of this bulletin and it will satisfy the readers and even be electrifying to them.

Thanking You.

Bestwishes...



#### Ivermectin is a Nobel Prize-winning wonder drug



William Campbell Satoshi Omura

Ivermectin is an over 30-year-old wonder drug that treats life and sight-threatening parasitic infections. Its lasting influence on global health has been so profound that two of the key researchers in its discovery and development won the Nobel Prize in 2015.

#### 1. Developing ivermectin for animal use

Ivermectin was first identified in the 1970s during a veterinary drug-screening project at *Merck Pharmaceuticals*. Researchers focused on discovering chemicals that could potentially treat parasitic infections like nematodes, such as flatworms and roundworms, and arthropods, such as fleas and lice in animals. Merck collaborated with the *Kitasato Institute*, a medical research facility in Japan. *Satoshi Omura* and his team isolated a group of chemicals called *avermectin* from bacteria found in a single soil sample near a Japanese golf course. Research on avermectin continued for approximately five years. Soon, Merck and the Kitasato Institute developed a less toxic form they named *ivermectin*. It was approved in 1981 for commercial use in veterinary medicine for parasitic infections in livestock and domestic pets with the brand name *Mectizan*.

#### 2. Developing ivermectin for human use

Early experiments by **William Campbell** and his team from Merck discovered that the drug also worked against a human parasite that causes an infection called *river blindness*. River blindness, also known as *onchocerciasis*, is the second leading cause of preventable blindness in the world. It is transmitted to humans from blackflies carrying the parasitic worm Onchocerca volvulus and occurs predominantly in Africa. Ivermectin underwent trials to treat river blindness in 1982 and was approved in 1987. These two decades of extensive work to discover, develop and distribute ivermectin helped to significantly reduce human suffering from river blindness. It's these efforts that were recognized by the **2015 Nobel Prize in Physiology or Medicine**, awarded to both *William Campbell* and *Satoshi Omura* for their leadership on this groundbreaking research.

#### Reference:

https://economictimes.indiatimes.com/industry/healthcare/biotech/pharmaceuticals/ivermectin-is-a-nobel-prize-winning-wonder-drug-but-not-for-covid-19/articleshow/87036923.cms

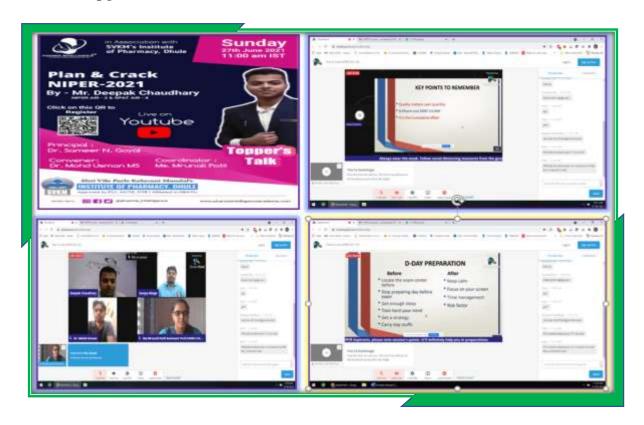
Abdulla K. Sherikar Assistant Professor, Dept. of Pharmacology SVKM's Institute of Pharmacy,

Dhule.



#### **♣** Guest lecture/Training programmes conducted:

- ➤ One-day online webinar was conducted for NIPER 2021 aspirants who have recently qualified GPAT 2021 exam on 26<sup>th</sup> June 2021. For this webinar, Ms. Yukta Munjal (Coach, **Grow tree Online Academy**) were invited.
- Institute's GPAT committee organized One-day online webinar was conducted for NIPER 2021 aspirants "Plan Prepare and Crack it: Road Map of NIPER 2021" on 27th June 2021 Third year and final year students (219) were introduced to the various aspects of NIPER JEE preparation like pre-exam preparation, mindset during exam hours, time management during exam. For this guest talk Mr. Deepak Chaudhary (AIR-01 in NIPER JEE 2020) were invited. He given brief guidance on NIPER JEE Exam as well as NIPER Admission Counselling process.



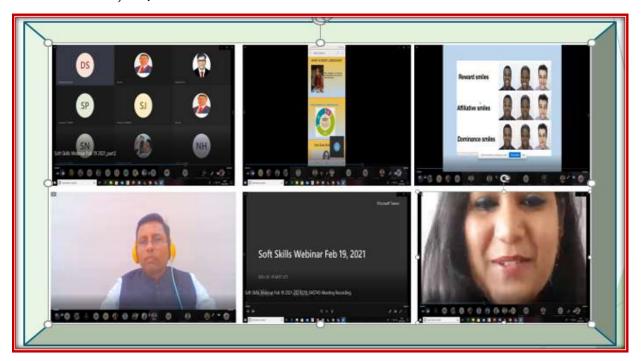
## **Workshop**

- 1. Training and Placement Cell in association with Rubicon Skill Development Pvt. Ltd. organized 09 days' workshop on "Connect with Work" from 15<sup>th</sup> March 2021 to 24<sup>th</sup> March 2021.
- 2. Mr. Rajiv Junne, Dr. Nayan Gujarathi, Dr. Kiran Aher, Dr. Raju Wadekar, Mr. Karan Sharma, Mr. Abdulla Sherikar, Dr.Bhushan Dravyakar, Dr. Aarti Belgamwar, Mr. Durgesh Shimpi, Dr. Nitin Nema, Mr. Pradeep Bawane and Mr. Harshal Desale delivered talk in two days Students Induction Programme "College to Profession: Exploring Pharma Horizon" for First Year and Direct Second Year students of B Pharm in on 1st and 2nd Feb 2021.





**3.** Institute has organized webinar on "Soft Skills Kinesics for Professional Growth for the students and faculty" on 19th Feb 2021. Dr Utpala Das Saxena, Faculty, TMU, was Resource Person, Mr. Rajeev June coordinated the event.

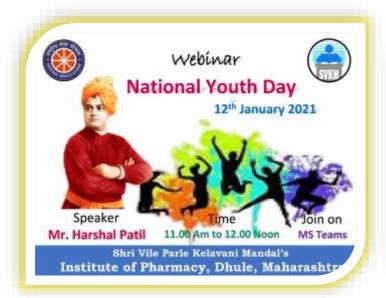


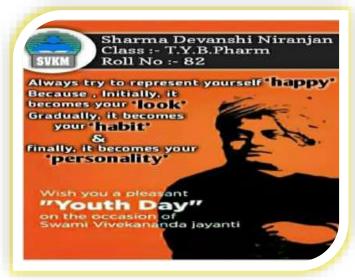
**4.** 3 days SAP-Academic fresher training program for SVKM IOP and IOT campus for smooth conduction of SAP at institute on 15, 16 and 17 June 2021. The session was conducted by Ms. Sony Rajkannan (SAP Core team member-SLCM, Mumbai office). All faculty and staff are actively participated in this 3 days training session. It strengthened our technical skills and definitely improve our learning experience, especially with the practical designing of various modules, events etc.



## Days Celebration:

- Shri Vile Parle Kelavani Mandal's Institute of Pharmacy has celebrated the National Youth Day on 158th Birth Anniversary of Swami Vivekananda on 12th January 2021. Principal Dr. Sameer Goyal inaugurated the various events and highlighted the work done by Swami Vivekananda in building the nation. In addition, he also highlighted the importance of youth in nation building and universal brotherhood. Furthermore, he also brings the attention of youth about the work done by Swami Ji in education which is essential for aspects of life, such as physical, intellectual, emotional, moral and spiritual.
- ➤ The NSS Co-ordinator Mr. Abdulla Sherikar delivered an inaugural speech. The event was carried out as direction given by the Govt. of India in COVID-19 pandemic situation. On this occasion the Institute has organized various activities such as Webinar, essay Writing, e-Posters, and Videos.











Institute has celebrated "Marathi Bhasha Divas" on 27th Feb 2021 on the birth anniversary of eminent Marathi poet Vishnu Vaman Shirwadkar. On this occasion, S Y D. Pharm students delivered speech and poems to expressed their views on Marathi Bhasha. The event was coordinated by Ms. Vaishali Nafade and Mrs. Amrita Amrutkar.







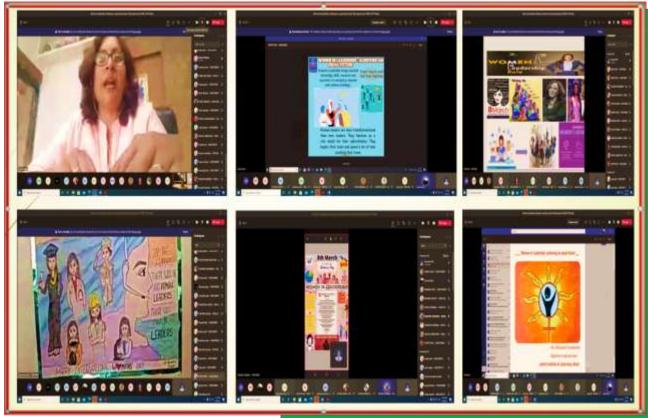


- Institute has celebrated National Science Day on theme "Future of STI: Impacts on Education, Skills, and Work" on 28th Feb 2021. On this occasion, the essay competition was organized, total 67 students participated in competition with great zeal and enthusiasm. Dr. Aarti Belgamwar and Mr. Mrugendra Potdar has coordinated the event.
- ➤ Institute has celebrated "World Intellectual Property Day",2021 On theme "SME's & taking ideas to market "on 26th April 2021. On this occasion, Quiz Competition was organized.

International women's day entitled "Women in Leadership: Achieving an Equal Future" celebrated on 08 March 2021. On the occasion guest lecture and online poster presentation competition on Women's Day Theme2021 was organized. Adv. Seema Telange Yavtmal Session's Court was invited as a guest speaker, she delivered talk on, "Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013 and the Rules", on 8th March organized through online mode.

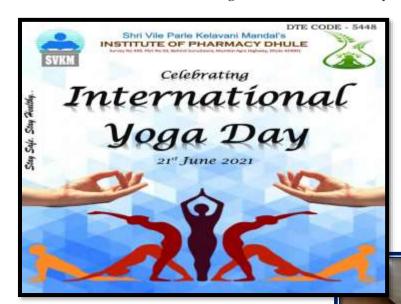
- ➤ In poster presentation 20 students had participated and three best posters were selected.
  - 1. Ms. Radhika Sharma, 2. Ms. Anery Shah and 3. Ms. Sayali Baviskar







"International Yoga day "was celebrated under the theme of "Be with Yoga, Be at Home." on 21 June 2021. 21st June International Yoga day an Online session was arranged for Staff, Students and Parents on MS Team Platform. Staff, Students and Parents had enthusiastically participated in this session and E-certificate is given to all the participants. Yog Guru Mr. Yayant Vibhandik delivered talk. On this occasion 3 days' Workshop was arranged online for Staff, Students and Parents from 18th June to 20th June 2021 timing 7:30am to 8:30am Daily on Prannayam and Yogmudra.







## **Faculties Contribution:**

#### **Expert talks:**

- ▶ Dr. Raju Wadekar delivered guest lecture on topic entitled, "Assessment & Evaluation: Significant Aspect of Professional Life" in Ahinsa Institute of Pharmacy, Dondaicha on 8<sup>th</sup> February 2021.
- ➤ Dr. Aarti Belgamwar delivered two guest lectures in Navsahydri Institute of Pharmacy, Naigaon Dist. Pune on topic entitled Regulatory Requirement for Drug Approval Part I on 22<sup>nd</sup> Jan 2021 and Regulatory Requirement for Drug Approval Part II on 23<sup>rd</sup> Jan 2021.

#### Paper Presentation-

- Mr. Nandkishor S. Talware has presented oral paper in International Conference on "Start-Up: Opportunities & Challenges in Healthcare Sector" on topic entitled, "Arjunolic Acid: A Multifunctional Phytochemical as Phyto (Fighto) medicine" organized by IntSci Conferences, Pune, India on 12-13, February 2021.
- ➤ Dr. Nayan Gujarathi presented a research e-poster in Controlled Release Society (CRS) 19th International e-Symposium on "Advances in Technology and Business Potential of New Drug Delivery System" on topic entitled, "Biodegradable Hollow Microballons of Poorly Water Soluble Drug" on 25th 27th February 2021.
- ➤ Mr. Tulshidas Patil presented a research e-poster in Controlled Release Society (CRS) 19th International e-Symposium on "Advances in Technology and Business Potential of New Drug Delivery System" on topic entitled, "Design, Development and Evaluation of Mannosylated Nanostructured Lipid Carriers for Safe and Effective Lung Targeted Delivery of Clofazimine" on 25th 27th February 202

#### **Paper Publications**

1. Meeran MFN, Laham F, Azimullah S, Sharma C, Al Kaabi AJ, Tariq S, Adeghate E, Goyal SN, Ojha S. β-caryophyllene, a natural bicyclic sesquiterpene attenuates β-adrenergic agonist-induced myocardial injury in a cannabinoid receptor-2 dependent and independent manner. Free Radic Biol Med. 2021 Feb 12: S0891-5849(21)00063-0. doi: 10.1016/j.freeradbiomed.2021.01.046 (Impact factor: 6.170)



- 2. Nagoor Meeran MF, Javed H, Sharma C, Goyal SN, Kumar S, Jha NK, Ojha S. Can Echinacea be a potential candidate to target immunity, inflammation, and infection The trinity of coronavirus disease 2019. Heliyon. 2021 Feb;7(2): e05990. doi: 10.1016/j.heliyon. 2021.e05990. Epub 2021 Feb 8. PMID: 33585706 (Impact factor: 0.432)
- 3. Nagoor Meeran MF, Seenipandi A, Javed H, Sharma C, Hashiesh HM, Goyal SN, Jha NK, Ojha S "Can limonene be a possible candidate for evaluation as an agent or adjuvant against infection, immunity, and inflammation in COVID-19?" in journal Heliyon. 2020 Dec 11;7(1): e05703. doi: 10.1016/j.heliyon. 2020.e05703.
- **4.** Alshehri S, Hussain A, Ahsan MN, Ali R, **Siddique MU.** "Thermodynamic, Computational Solubility Parameters in Organic Solvents and in Silico GastroPlus Based Prediction of Ketoconazole". ACS Omega. 2021 Feb 11. (**IF 2.87**).
- 5. Mr. Rajiv Junne published research Paper on "Technology Integrated Blended Classroom: An Appraisal" Published in "LangLit: An International Peer Reviewed Open Access Journal" Vol. 7 (2).
- **6. Tulshidas Patil**, Ashvini Deshpande "Nanostructured lipid carrier-mediated lung targeted drug delivery system to enhance the safety and bioavailability of clofazimine in Drug Development and Industrial Pharmacy Vol. 47, No. 3, 385–39. (**Impact Factor: 2.365**)
- 7. Subhajit Dutta, **Raju R Wadekar** & Tilottama Roy, Radioprotective natural products as alternative complements in oncological radiotherapy. Boletin Latinoamericano Y Del Caribe De Plantas Medicinales Y Aromáticas. 0717 7917/ www.blacpma.ms-editions.cl).
- **8.** Hashiesh HM, Sharma C, **Goyal SN**, Sadek B, Ojha S. A focused review on CB2 receptor-selective pharmacological properties and therapeutic potential of β-caryophyllene, a dietary cannabinoid. Biomedicine and Pharmacotherapy, 2021. (**Impact factor: 4.545**).
- 9. Arunachalam S, M.F. Nagoor Meeran, Azimullah S, Sharma C, Goyal SN, and Ojha S. Nerolidol Attenuates Oxidative Stress, Inflammation, and Apoptosis by Modulating Nrf2/MAPK Signaling Pathways in Doxorubicin-Induced Acute Cardiotoxicity in Rats. Antioxidant, 2021. (Impact factor: 5.014).
- 10. Arunachalam S, M.F. Nagoor Meeran, Azimullah S, Sharma C, Goyal SN, and Ojha S. Nerolidol, a Sesquiterpene from the Essential Oils of Aromatic Plants, Attenuates Doxorubicin-Induced Chronic Cardiotoxicity in Rats,2021. Journal of Agricultural and Food Chemistry. (Impact factor: 4.192).
- 11. Charu Sharma, Mohamed Fizur Nagoor Meeran, **Sameer N. Goyal**, Neeraj Jha, Shreesh K Ojha. Serratio peptidase, a serine protease anti-inflammatory, fibrinolytic, and mucolytic drug can be a useful adjuvant for management in COVID-19, 2021, Frontiers Pharmacology (**Impact factor: 4.225**).



- 12. Sharma M, Alexander A, Saraf S, Saraf S, Vishwakarma UK,

  Nakhate KT, Ajazuddin. Mosquito repellent and larvicidal perspectives of weeds Lantana camara L. and Ocimum gratissimum L. found in central India. Biocatalysis and Agricultural Biotechnology 2021. (ImpactFactor:2.14).
- **13.** Arora SK, Verma PR, Itankar PR, Prasad S, **Nakhate KT.** Evaluation of pancreatic regeneration activity of Tephrosia purpurea leaves in rats with streptozotocin induced diabetes. Journal of Traditional and Complementary Medicine 2021. (**Impact Factor: 4.47**).
- 14. Siddique MU, Thakur A, Shilkar D, Yasmin S, Halakova D, Kovacikova L, Prnova MS, Stefek M, Acevedo O, Dasararaju G, Devadasan V. Non-Carboxylic Acid Inhibitors of Aldose Reductase Based On N-Substituted Thiazolidinedione Derivatives. European Journal of Medicinal Chemistry. 2021 Jun 12:113630. (IF: 5.572; Q1 Listed Journal).
- **15.** Sharma S, Hatware K, Bhadane P, **Patil K.** Chemistry, Pharmacokinetics, Pharmacodynamics and Analytical methods of Bilastine, a histamine H1 receptor antagonist: An update. Mini reviews in medicinal chemistry.2021

### **Books/ Chapter Publications-**

- Mr. Mrugendra Potdar has published book chapter entitled "Phytosomes—Nanoarchitectures" Promising Clinical Applications and Therapeutics" by Scrivener Publishing LLC in Nanopharmaceutical Advanced Delivery Systems Journal, Page no. (187–216) dated on 08-01-2021.
- ▶ Dr. Raju Wadekar has published book chapter published entitled "Herbal Drug Patenting" in book entitled, "Evidence Based Validation of Traditional Medicines. Springer, Singapore.555-588 p. ISBN: 978-981-15-8127-4\_27. https://doi.org/10.1007/978-981-15-8127-4\_27.

## **Student Contribution:**

➤ UG and Diploma students participated in an essay competition organized on occasion of National Science Day on theme "Future of STI: Impacts on Education, Skills, and Work" on 28<sup>th</sup> Feb 2021.

## **4** Faculty Achievement



#### Patent File-

- 1. Dr. Mohd. Usman Siddique, Dr. Aarti Belgamwar, Mr. Pradip P. Bawane and Mr. Azim Ansari have filed patent on "Intranasal nanoparticles of Cink4T for high-grade glioblastoma and method of preparation thereof on" to Indian Patent Office, Mumbai India, Application No. 202121005173, Date of Filing 04/02/2021.
- 2. Dr. Kiran Aher, Dr. Girija Bhavar and Mr. Mrugendra Potdar have filed Patent entitled "A Formulation of transdermal drug delivery system of anti-inflammatory drug" to Indian Patent Office, Mumbai India, Application No. 202121005051, Date of Filing 05/02/2021.
- 3. Mr. Mrugendra Potdar has filed Indian Patent entitled "A Novel detection of prostate cancer using image segmentation and binazization method" (Application No. 202121000526, DOF 06/01/2021).

### **Student Achievement**

We, SVKM's IOP, Dhule, are delighted to share that our student Mr. Harshal Pravin Patil (T. Y. B. Pharm) stood FIRST from Jalgaon region in National Youth Parliament Festival Competition (2021) conducted by Ministry of Youth Affairs and Sports, Govt. of India, New Delhi. Now, he is selected for State Level Round (Maharashtra and Goa). Hon. Shri. Amrishbhai Patel (President, SVKM), Hon. Shri. Bhupeshbhai Patel (Joint-President, SVKM), Hon. Shri. Chintanbhai Patel (Vice -President & Trustee, SVKM), Hon. Shri. Rajgopal Bhandari (Management Council Member, SVKM), Hon. Dr. Ajay Pasari (Mentor, SVKM's Dhule Campus), Hon. Dr. K. B. Patil (Director, SVKM Dhule Campus), and Hon. Dr. Sameer Goyal (Principal, SVKM's IOP Dhule) and all teaching, non-teaching staff heartily congratulated him and wished best luck for further rounds...



#### **GPAT Result:**



➤ 14 students from Final and Third Year B. Pharm qualified GPAT exam with very good percentile score. Mr. Patil Jayesh Rajesh secured 99.47 percentile with All India Rank 241.

Sr	Students Name	Marks	Perce	B. Pharm Year	All
No.		Obtained in GPAT 2021	ntile		India Rank
1	Patil Jayesh Rajesh	245	99.47	Final Year B.Pharm	241
2	Prajwal Sanjay Nikam	200	97.51	Final Year B.Pharm	1131
3	Deshmukh Vinay Sharad	183	95.79	Final Year B.Pharm	1914
4	Mahajan Rushikesh Baban	175	94.74	Final Year B.Pharm	2391
5	Payal Sunil Gajghate	175	94.74	Final Year B.Pharm	2391
6	Harshal Sanjay Patil	174	94.54	Final Year B.Pharm	2485
7	Shashwat Mahesh Changale	170	93.93	Final Year B.Pharm	2761
8	Poonam Yogesh Patil	169	93.71	Final Year B.Pharm	2860
9	Ujwal Gajanan Sonawane	165	93.00	Final Year B.Pharm	3182
10	Jain Pradnya Vijay	159	91.65	Final Year B.Pharm	3797
11	Vikas Dhumal	176	94.89	Third Year.B.Pharm	2323
12	Hemakshi Mukesh Koli	166	93.18	Third Year B.Pharm	3102
13	Shukla Gayatri Shekhar	161	92.21	Third Year B.Pharm	3550
14	Patil Avinash	30	8.31	Third Year B.Pharm	41723





#### **Training and Placement:**

➤ Placement drive with Alembic Pharmaceuticals Pvt. Ltd was conducted in 3<sup>rd</sup> week of April. 06 Students got Selected for the post of Trainee MR with Package of 3.3 LPA.



➤ Placement Drive with Apollo Pharmacy is scheduled on 5<sup>th</sup> and 6<sup>th</sup> may 2021. 19 Students got selected with Package of 1.8 LPA.





#### **COLLEGE INFRASTRUCTURE**









## Shri Vile Parle Kelavani Mandal's **Institute of Pharmacy, Dhule**

Approved by AICTE, PCI, New Delhi, DTE (Govt. of Maharashtra), Mumbai, Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere and MSBTE, Mumbai

## **Courses Offered**

**B.Pharma** (Intake100)

**D. Pharm** (Intake 60)

#### **Silent Features**

- > Highly qualified and dedicated faculty
- > Well Equipped laboratories
- State of art infrastructure and library resources
- > Wi-Fi enabled campus

- > State of art classrooms with smart boards
- > Air conditioned classrooms
- > Co-curricular activities within and outside the institute
- Counseling to students for curricular activities

