

SHREE NARANJIBHAI LALBHAI PATEL COLLEGE OF PHARMACY, UMRACH



WINTER 2020



**SCAN FOR COLLEGE
OFFICIAL WEBSITE**



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(FORMERLY KNOWN AS VIDYABHARTI
TRUST COLLEGE OF PHARMACY)**



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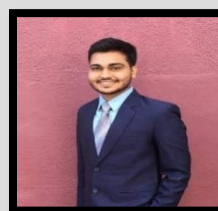
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Pharmacist's Oath

I swear by the code of Ethics of Pharmacy Council of India
in relationship to the Community and shall act as an integral
part of health care team.

I shall uphold the laws and standards governing my profession.
I shall strive to perfect and enlarge my knowledge to contribute to
the advancement of pharmacy and public health.

I shall follow the system which i consider best for pharmaceutical
care and counseling of patients.

I shall endeavour to discover and manufacture drugs of quality to
alleviate suffering of humanity.

I shall hold in confidence the knowledge gained about the patients
in connection with my professional practice and never divulge
unless compelled to do so by the law.

I shall associate with organisations having their objectives for
betterment of the profession of pharmacy and make contribution to
carry out the work of those organisations.

While I continue to keep this oath unviolated,
may it be granted to me to enjoy life and the practice
of pharmacy respected by all, at all times!

Should I trespass and violate this oath, may the reverse be my lot!

ABOUT THE INSTITUTE

Shree N. L. Patel College of Pharmacy, Umrakh was established in the year 2004 under the aegis of Vidyabharti Trust with main objective of visionary in the mission of quality Pharmacy education.

The Shree N. L. Patel College of Pharmacy is located on the way of Bardoli-Mota road 3 kilometer away from Bardoli and 34 kilometer away from Surat in a lush green sprawling campus with sufficient infrastructure facilities.

The college is approved by the Pharmacy Council of India (PCI), New Delhi, All India Council for Technical Education (AICTE), New Delhi, recognized by Government of Gujarat and affiliated to Gujarat Technological University (GTU), Ahmadabad.

At this moment Shree N. L. Patel College of Pharmacy offers B. Pharm and M.Pharm course in Pharmaceutics, Quality Assurance & Pharmacology to input knowledge and empower individuals with wisdom to prepare pharmacist of the future.

VISION OF THE INSTITUTE

To emerge as a most preferred institution for education in pharmacy in this region and to develop multifaceted pharmacist who shall lead the nation to a better future.

MISSION OF THE INSTITUTE

- To provide a stimulating environment where knowledge of basic subjects is integrated with health concerns for the world community.
- To inculcate professional ethics, social responsibility and commitment for lifelong learning.
- To March on par with current developments to become a professionally competent.

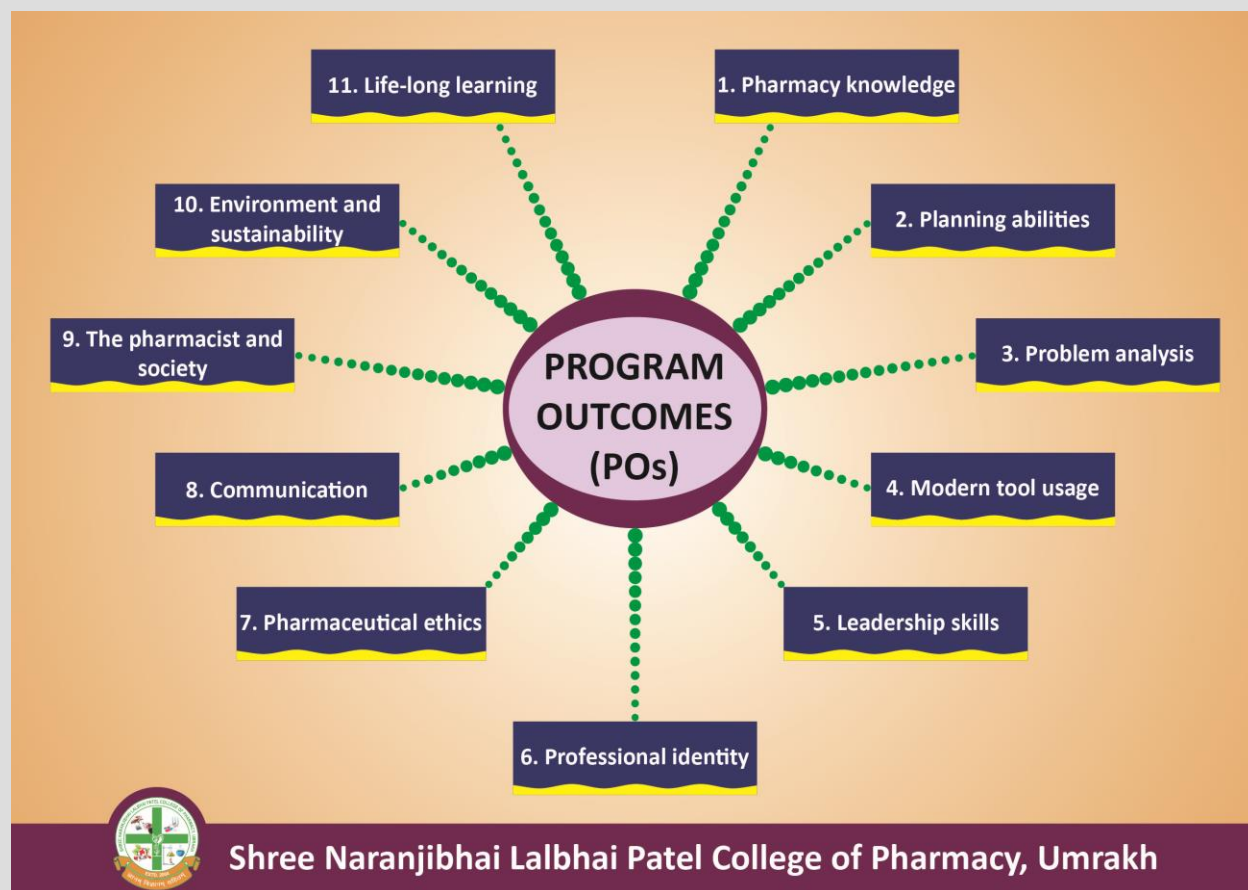
PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PEO1: Knowledge: Graduates of the program will be having strong background along with necessary skill set in pharmaceutical sciences and able to use these tools in pharmaceutical industry, community pharmacy and institutes or wherever in the area of profession they choose necessary for success.

PEO2: Competency: Become a competent pharmacy professional and work at responsible positions in various areas of pharmaceutical industry and allied fields.

PEO3: Professionalism: Inculcate professional and ethical values in students to function productively in professional environment.

PROGRAM OUTCOMES (POS)



Principal's Desk



DR. DHIREN P. SHAH
PRINCIPAL,
SHREE NARANJIBHAI LALBHAI COLLEGE OF
PHARMACY, UMRAXH

It gives me immense pleasure to note that S. N. L. P. College of Pharmacy is releasing college magazine "PHARMVIDYA". College magazine is the ideal platform for the students, faculty and other team members of the institution to exhibit their ethos and aspirations. Hope this magazine amply demonstrates the communication skills, poetic prowess, imagination and creativity, humour and humanism and technical competence of the students and faculty members. I extend my best wishes and greetings to the Editorial team for their commendable job in bringing out Winter-2020 edition of PHARMVIDYA magazine successfully.



MR. BHUMIN K. PATHAK
EDITOR

Dear Readers,

"The power of a waterfall is nothing but a lot of drops working together"

While handing over this beautiful piece of creation to all readers, our feelings are not different than what above quote means. This task was indeed not an easy one but everyone's contribution and efforts made it possible. We hope that our team has lived up to the expectations and we became successful in creating this masterpiece. We hope our efforts to provide students a unique platform to showcase their talents and views are coming into reality through this PHARMVIDYA magazine. We tried to incorporate every little thread of the success story of this institute in this magazine. It would have been impossible for us to carry out this task without contribution of our students. We also thank all staff members from the magazine support committee. Lastly wish....May this affectionate bond shall keep us together forever. Thanks to all!

STUDENT EDITORS

Every accomplishment is achievement with a decision to try, with the never ending thirst to succeed. PHARMVIDYA is the reflection of young artistic minds just waiting to be let loose into the threshold of creativity, it is a Pandora box of budding talents meant to be unfolded. We hope that this portfolio of art & expressions brings you sheer delight & captures your avid imagination. PHARMVIDYA became a reality only because of the wholehearted support of our students. We owe our victory to God almighty who is the source of all knowledge in power.



**Mr. Vrutik
Panchal**



**Ms. Urmi
Patel**



**Ms. Aesha
Desai**



**Mr. Varshil
Patel**



**Ms. Shivani
Patel**

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1.1 GUEST LECTURE

Date: Tuesday, 22nd September, 2020.

Topic: "Funding Opportunities in Innovation and Entrepreneurship"

Resource Person: Dr. Praful D. Bharadia, Professor, Dept. of Pharmaceutics & Pharm. Technology, L M College of Pharmacy, Ahmedabad

No. Of Participants: 53

Summary of Session:

With a growing concern about the impact of COVID-19, IIIC and IQAC of Shree Naranjibhai Lalbhai Patel College of Pharmacy, Vidyabharti Trust, Umrakh organized a National Level webinar on "Funding Opportunities in Innovation and Entrepreneurship-Under SSIP". The event started at 3:00 PM with a welcome speech by Dr. Ashok Akabari, Associate Professor, SNLPCP, UMRAXH. Dr. Praful D. Bharadia, explained very well the all points regarding SSIP and SOICproject. The presentation was very wonderful, eye catchy and faithful thought provoking. During the session all participant get all information about SSIP and SOIC as well as project related guidance, so at the end of session no queries was asked by any participant. SNLPCP is thankful to Dr. Praful D. Bharadia- Speaker and Vidya Bharti Trust members for his support to enlighten our paths in direction of knowledge even during the lockdown period. The teaching faculties of SNLPCP and 53 participants attended the session.

The poster is for a webinar titled "FUNDING OPPORTUNITIES IN INNOVATION AND ENTREPRENEURSHIP" under the "Under Student Startup and Innovation Policy (SSIP)". It is organized by Shree Naranjibhai Lalbhai Patel College of Pharmacy, Vidyabharti Trust Institution, Umrakh. The event is approved by AICTE and PCI, New Delhi, and affiliated to GTU, Ahmedabad. The speaker is Dr. Praful Bharadia, Professor & SSIP Co-ordinator at L M College of Pharmacy, Ahmedabad. The event is scheduled for September 22, 2020, at 03 PM. There are no registration fees. The location is Vidyabharti Campus, At & Po Baben, Ta: Bardoli, Di. Surat, Pin: 394601.

SHREE NARANJIBHAI LALBHAI PATEL COLLEGE OF PHARMACY
(Vidyabharti Trust Institution, Umrakh)
Approved by AICTE and PCI, New Delhi and Affiliated to GTU, Ahmedabad.

FUNDING OPPORTUNITIES IN INNOVATION AND ENTREPRENEURSHIP
"Under Student Startup and Innovation Policy (SSIP)"

DR. PRAFUL BHARADIA
Professor & SSIP Co-ordinator,
L M College of Pharmacy,
Ahmedabad.

SEP 22 2020 03 PM

No Registration Fees

Vidyabharti Campus, At & Po Baben,
Ta: Bardoli, Di. Surat, Pin: 394601.

2.1 WEBINAR

Date: 06-06-2020

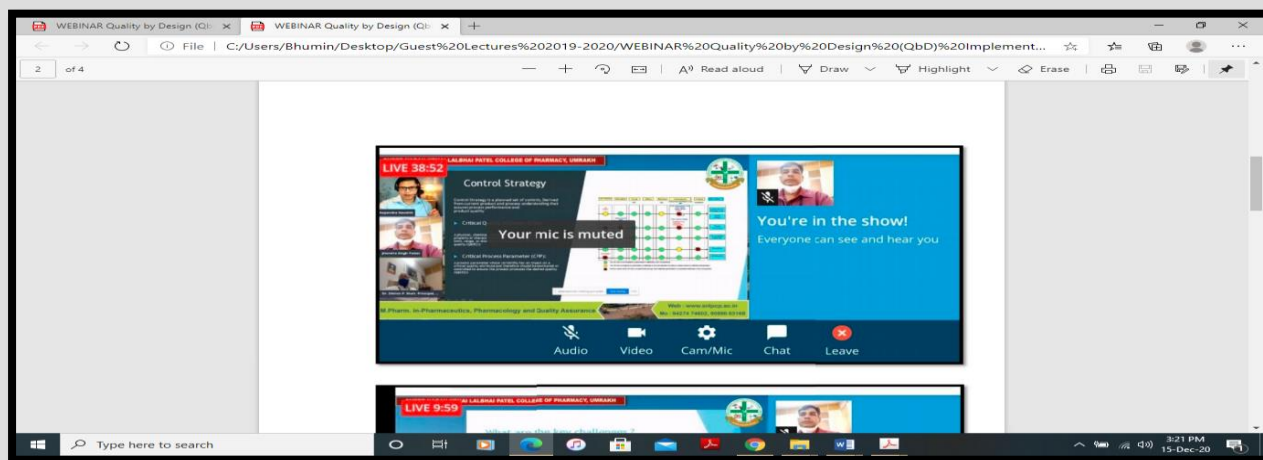
Topic: “Quality by Design (QbD) Implementation: An Industry Perspectives”

Guest Speaker: Mr. Bhupendra Kaushik, New Product Development Manager, Martindale Pharmaceuticals, London, UK

Number of Participants: 592

Summary of Lecture:

S.N.L.P. College of Pharmacy has arranged International Webinar on “Quality by Design (QbD) Implementation: An Industry Perspectives” for B. Pharm and M. Pharm Students, Faculty members and Industrial Person on 06th June 2020. “QbD is understanding the manufacturing process and identifying the key steps for obtaining and assuring a pre-defined product quality”. The US FDA’s quality by design (QbD) initiative and associated ICH Q8, Q9, and Q10 guidance documents are increasingly embraced by the pharmaceutical manufacturing industry for ensuring consistent product quality and lower costs of development and manufacturing. Sir has explained critical problems of drug Stability, Bioavailability, Solubility, Shelf life, Patent protection, Viscosity, Safety, and Cost, which are overcome by applying QbD. The teaching faculties of SNLPCP and 592 participants attended the session. Sir has also explained the various examples for the same. This lecture will enlightening for the students to how to implement and determine the benefits of QbD. At last, we had taken feedback form from participants and got 437 responses.



2.2 WEBINAR

Date: Sunday, 19 July, 2020.

Topic: “COVID 19 - Latest Local and Global updates with Authentic DO'S AND DON'TS IN DETAIL FOR EVERYONE.”

Resource Person: DR. AMRUT R. PATEL. General Surgeon & Medical Superintendent, Bardoli Satyagrah Hospital & SDH BARDOLI.

NO. of Participants: 614

Summary of Session:

With a growing concern about the impact of COVID19 on human beings, IIIC and IQAC of Shree Naranjibhai Lalbhai Patel College of Pharmacy, Vidyabharti Trust, Umrakh organised a National Level webinar on - COVID 19 - Latest Local and Global updates with Authentic DO'S AND DON'TS IN DETAIL FOR EVERYONE.” In his talk, he discussed about basics of covid 19, outlines of diagnosis and treatment, Government strategy to fight against Covid-19 and how to deal with it. He made aware about role of Ayurveda-Homeopathy and life style changes. Also sir spread the awareness about role of individual and community in prevention and control of this pandemic. To formally conclude the session, Dr. Runit Shah showed his gratitude and appreciation for Dr. Amrut Patel. Nearly 614 participants attended the session. Feedback forms about the session were also collected from the participants.



2.3 WEBINAR

Date: Thursday, 30 July, 2020.

Topic: “In Silico Drug Design Methods: A Catalytic Tool for Acceleration of COVID-19 Research”.

Resource Person: Mr. Ashish Shah. Assistant Professor, Department of Pharmacy, Sumandeep Vidyapeeth, Vadodara, Gujarat.

No. Of Participants: 550

Summary of Session:

The Honorable Speaker Mr. Ashish Shah explained the various steps used for In Silico drug design methods. He explained in a very simple way how In-silico drug design skills are used in nanotechnology, molecular biology, biochemistry etc. The main benefit of the In-silico drug design is cost effective in research and development of drugs. He discussed various wide ranges of software that are used in In Silico drug design i.e, Grid computing, window based general PBPK/PD modeling software, PKUDDS for structure based drug design, APIS, JAVA, Perl and Python, in-silico drug design as well as software including software libraries. The presentation was very wonderful, eye catchy and faithful thought provoking. At the end of session various queries were put forward by the participants. Mr. Ashish Shah, explained very well the questions of participants regarding In Silico drug design. The teaching faculties of SNLPCP and 550 participants attended the session. At last, we had taken feedback form from participants and got 430 responses.



2.4 WEBINAR

Date: Saturday, 29th August, 2020.

Topic: "3D Printing Technology in Pharma and HealthCare System"

Resource Person: Dr. Ragin Shah, Director General, Swarnim Startup and Innovation University, Dist: Gandhinagar, Gujarat, and Chief Academic Officer, US Institute of 3D Technology, California, USA, Gujarat

No. Of Participants: 295

Summary of Session:

The event started at 3:00 PM with a welcome speech by Dr. Ashok Akabari, Associate Professor, SNLPCP, UMRAXH. He welcomed the speaker of the event Dr. Ragin Shah, Director General, Swarnim Startup and Innovation University, Dist: Gandhinagar, Gujarat, and Chief Academic Officer, US Institute of 3D Technology, California, USA, Gujarat and Dr. Dhiren P. Shah – Principal of SNLPCP, Faculties and Participants of the event. The introduction of 3D printing into the pharmaceutical technology particularly aims at the development of patient-centered dosage forms based on structure design. At the end of session various queries were put forward by the participants. Dr Ragin Shah, explained very well the questions of participants regarding 3D printing into the pharmaceutical technology. The teaching faculties of SNLPCP and 295 participants attended the session. At last, we had taken feedback form from participants.



SHREE NARANJIBHAI LALBHAI PATEL COLLEGE OF PHARMACY
(Vidyabharti Trust Institution, Umrakh)
Approved by AICTE, New Delhi and Affiliated to GTU, Ahmedabad.

Organizes Webinar on

3D PRINTING TECHNOLOGY IN PHARMA AND HEALTHCARE SYSTEM

Brief of Seminar:

- Introduction on 3D Printing Technology
- What is 3D Printing and how it works
- Various Materials for 3D Printing
- Various types of 3D Printers
- Comparison of Traditional and modern Methods
- Industries Using 3D Printing
- Advantages of 3D Printing
- Success Stories
- Applications of 3D Printing for Students
- Creative Applications
- Highlights of Courses
- Audience Interaction

Dr. Ragin Shah

Last Date of Registration
28th August 2020
Friday

No Registration Fees

Date and Time
29th August 2020
Saturday
3.00 pm to 5.00pm

Vidyabharti Campus, At & Po Baben, Ta: Bardoli, Di. Surat, Pin: 394601.



Bio Printing of 3D Tissue

Day 0 → Day 5

3D PRINTING TECHNOLOGY IN PHARMACY AND HEALTHCARE SYSTEM

155 Attendees • Shared live on Aug 29, 2020

Top chat reply:

- Pratik Padiya: good afternoon everyone
- Hemraj Patel: good afternoon
- Pratik Padiya: Good afternoon
- Vinod Patel: Good
- Vinod Patel: Good
- Dr. Ragin Shah: how 3D material is manufacturing? (asked by Hemraj Patel)
- Dr. Ragin Shah: Good afternoon
- Vinod Patel: Dear participants, you can ask the questions by typing your question in chat box.
- Pratik Padiya: good afternoon sir.
- Vinod Patel: ok sir
- Pratik Padiya: ok sir
- Dr. Ragin Shah: Very informative and interesting session sir.
- Vinod Patel: good afternoon
- Dr. Ragin Shah: good afternoon and thoroughly speaking
- Pratik Padiya: very informative

3. COLLABORATION WORK WITH HOSPITAL AND INSTITUTE IN COVID-19 SITUATION

Event Name: WEBINAR ON IEC ABHIYAN COVID -19

Event Date and Time: 17/10/2020, 11.00 am to 12:30 pm

Webinar Objective:

The campaign is fundamental in the fight against covid-19 and needs to be widely followed and adhered to. The following matters have to be complied with as per IEC (Information Education Communication).

- ☐ Mask
- ☐ Social Distancing
- ☐ Hand Hygiene
- ☐ Immunity Boost-up Practices
- ☐ Reverse Quarantine

This established procedure is extremely important in preventing coronary infection. Therefore, all the institutes affiliated to Gujarat Technological University are advised to organize an online webinar to spread awareness under the IEC campaign with the objective of making the officers, employees, students and parents aware of this.

Expert Speakers' Detail: Dr. Amrut Patel Medical Superintendent & General Surgeon Bardoli Satyagraha Hospital & CHC, Health and Family Welfare Department Government of Gujarat.

Activities and Societies: member of rotary club of bardoli and junior chamber international , Bardoli conducting seminars on health awareness for college students on the subject of HIV/AIDS , tuberculosis , sickle cell anemia , maternal and child health as well as motivational presentations on self-developments free of charge.

You Tube Link of Webinar: <https://youtu.be/cqtf1opSEPY>

Total number of participants: 250 Students +200 Faculty Members of Vidhyabharti Trust Institution



VIDYABHARTI TRUST INSTITUTIONS, UMRAKH

National Service Scheme (NSS)



Degree Engg.
College

WEBINAR

on

IEC અભિયાન કોવિડ-19



Diploma Engg.
College



Pharmacy
College



EXPERT SPEAKER
Dr. Amrut Patel
 Medical Superintendent &
 General Surgeon,
 Bardoli Satyagraha Hospital & CHC,
 Health and Family Welfare Department
 Government of Gujarat



MBA/MCA
College

... VIEW ONLINE ON ...

<https://snpitrc.ac.in/WEBINAR.aspx>

 SNPIT&RC Umrakh

Date: 17/10/2020
Time: 11:00 am onwards

Vidyabharti Campus, At & Po Baben, Ta: Bardoli, Dist: Surat, Pin: 394601 | Contact No.: 9925 777 117

S. N. Patel Institute of Technology & Research Centre, Umrakh



Prof. Nitish Tailor (NSS,PO)



Dr. Piyush Jain, Principal SNPIT&RC



Dr. Dhaval Joshi



Bhavinaben Pandya



Trupti



Mrs. Pooja Chaudhari



Dr. Amrut R. Patel

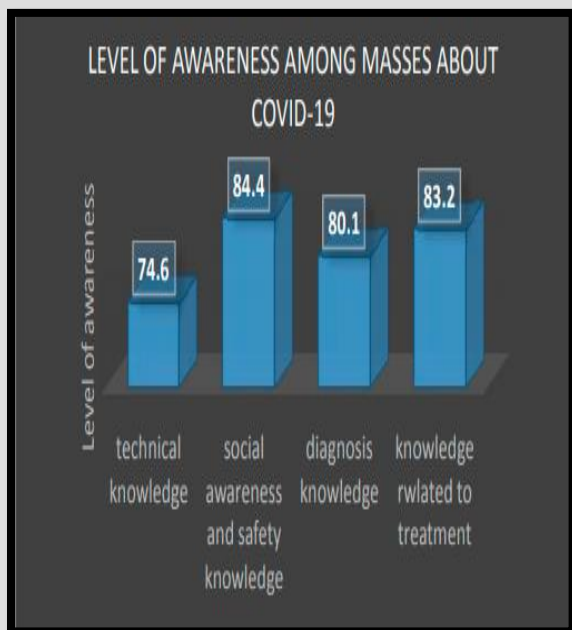
www.snpitrc.ac.in
Contact No. 9925 777 117

4. ACTIVITIES FOR COVID-19 AWARENESS

Date: 21-05-2020 to 30-05-2020

Topic: “COVID 19 - Awareness Quiz

With an aim to contribute towards social awareness campaign of COVID -19 Shree Naranjibhai Lalbhai Patel College of Pharmacy, UmraKh, has organized an online Quiz from 21 to 30 May 2020. Total 1624 participants from different age groups and professions, participated in this quiz. Marks above 60 % was required for successful completion of the quiz. “E-certificate” was provided to the participants after successful completion of the quiz. About level of awareness 74.6 % were found to be technically sound, 84.4 % were aware about social and safety responsibilities, 80.1 % were found to be aware about diagnosis and 83.2 % were found to be aware about treatment of COVID-19. The activity was coordinated by Mrs. JasminaSurati, Assistant Professor, and Dr. Hemal Bhuva, Associate Professor and appreciated by Principal, Prof. (Dr.) Dhiren P. Shah.



5. WORLD ENVIRONMENT DAY CELEBRATION IN ASSOCIATION WITH NSS UNIT (5th JUNE 2020)

With the objective of stirring our consciences, World Environment Day, instituted by the United Nations in 1972, is celebrated on the 5th of June. Every year, millions of individuals and organizations engage in various activities on this day which includes tree-planting drives, art exhibitions, social media campaigns, etc. This way, there is a build-up of a collective power of people belonging to different walks of life, leading to the generation of an exponential positive impact on the planet.

With a motive to protect the environment, Shree NaranjibhaiLalbhai Patel College of pharmacy of Vidhyabharti Trust celebrated World Environment Day on 5th June 2020 under the banner of NSS Unit. The entire campus participated wholeheartedly towards the success of this grand event.



We don't just celebrate world environment day annually, but have also contributed for the betterment of the society during the current pandemic of COVID-19 by plantation of giloy plant in our medicinal garden and production of samsamnivati recommended by dept. of ayush in collobration with Dr.priti ben, representer of dept. of Ayush at bardoli.



6. WORLD PHARMACISTS DAY CELEBRATION

World Pharmacist Day is celebrated every year on 25th September 2020. To mark this day, various Competitions were held in Shree Naranjibhai Lalbhai Patel College of Pharmacy, during 23rd - 25th September 2020. This year, the celebrations were visualized by online competitions of students due to the Corona Pandemic. The activity was successful with an exuberant number of online student participations. The students were asked to send the high quality images and a short videoshoot of their activities. The Competitions were organized based on the Pharma Theme.

Students were encouraged to participate in following events: Pharma Rangoli, Drawing, Pharma Nail Art, Pharma Poster and Pharma Short Film. These events bring out the creativity and hidden potentials among the students. These extracurricular activities not only boost their confidence but also develop an inclination towards the academics. The prizes given away were as under:

Pharma Short Film (available on college website – www.snlpcp.ac.in)

- 1st Prize: Featured on “Towards Covid-19 Patients” Directed By 5th Sem Students Mistry Arpit k Maisuriya Kevin, Khushwaha Jayesh, Desai Rucha

Link:<https://drive.google.com/file/d/1mGQBpMrZLgQGtbTwFIBpwRBYxB7RAxI4/view?usp=drivesdk>

- 2nd Prize: Feature Film “Avoid Self Medication” by 3rd sem students Jay lad, Nil prajapati, Utsav Prajapati, Kevin Patel

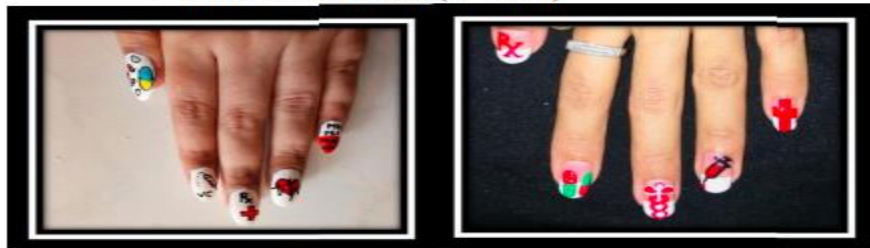
Link:<https://drive.google.com/file/d/190z7E2Wzcli2GeEwlhbxbvUj8IDPg8E/view?usp=drivesdk>

Both the films have been uploaded on the college website ‘video section’

Pharma Nail Art



1st Prize- Aabha Patel (5th Sem)



2nd Sem- Anjali Patel (7th Sem)

3rd Prize- Priya Shailesh Patel(5th Sem)

Pharma Rangoli




1st Prize- Dharmi Mandani (5th Sem)



2nd Prize- Heli V Patel (7th Sem) 3rd Prize- Tulsi Desai (3rd Sem)


1st Prize: Brijesh Parikh (7th Sem)



PATENTS - AN IMPORTANT TOOL FOR PHARMACEUTICAL INDUSTRY.

SHREE NARANJIBHAI LALBHAI PATEL COLLEGE OF PHARMACY, UMRAKH

BRIJESH PAREKH**



ABSTRACT

THE INTELLECTUAL PROPERTY PROTECTION IN THE DEVELOPMENT OF NEW PRODUCT FOR PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY. THE IMPORTANCE OF THE INTELLECTUAL PROPERTY PROTECTION IN THE PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY. THE IMPORTANCE OF THE INTELLECTUAL PROPERTY PROTECTION IN THE PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY.

A PATENT IS A MONOPOLY OF INTELLECTUAL PROPERTY BY THE GOVERNMENT TO INVENTOR OR INVENTOR'S ASSIGNEE. IT IS A LEGAL RIGHT TO EXCLUDE OTHERS FROM MAKING, USING, SELLING, OR IMPORTING THE INVENTION FOR A LIMITED PERIOD OF TIME. THE INVENTOR OR INVENTOR'S ASSIGNEE CAN ENFORCE THE PATENT AGAINST ANY OTHER PERSON WHO VIOLATES THE PATENT. THE PATENT IS A LEGAL RIGHT TO EXCLUDE OTHERS FROM MAKING, USING, SELLING, OR IMPORTING THE INVENTION FOR A LIMITED PERIOD OF TIME. THE INVENTOR OR INVENTOR'S ASSIGNEE CAN ENFORCE THE PATENT AGAINST ANY OTHER PERSON WHO VIOLATES THE PATENT.

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INTRODUCTION: THE INTELLECTUAL PROPERTY PROTECTION IN THE DEVELOPMENT OF NEW PRODUCT FOR PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY. THE IMPORTANCE OF THE INTELLECTUAL PROPERTY PROTECTION IN THE PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY. THE IMPORTANCE OF THE INTELLECTUAL PROPERTY PROTECTION IN THE PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY.

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CONCLUSION: THE INTELLECTUAL PROPERTY PROTECTION IN THE DEVELOPMENT OF NEW PRODUCT FOR PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY. THE IMPORTANCE OF THE INTELLECTUAL PROPERTY PROTECTION IN THE PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY. THE IMPORTANCE OF THE INTELLECTUAL PROPERTY PROTECTION IN THE PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY.

CONCLUSION: THE INTELLECTUAL PROPERTY PROTECTION IN THE DEVELOPMENT OF NEW PRODUCT FOR PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY. THE IMPORTANCE OF THE INTELLECTUAL PROPERTY PROTECTION IN THE PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY. THE IMPORTANCE OF THE INTELLECTUAL PROPERTY PROTECTION IN THE PHARMACEUTICAL INDUSTRY IS THE MOST IMPORTANT ASPECTS OF THE PHARMACEUTICAL INDUSTRY.

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2nd Prize- Parmar Nidhi and Mistry Arpit (5th Sem)

Plasma therapy in treatment of covid-19

What is plasma?

• 'Plasma' is the liquid component in the blood that carries antibodies, hormones and various nutrients across the body.

• Plasma is the plasma collected from people who were infected and have made a complete recovery; these people develop antibodies which are of vital importance.

What is the function of blood plasma?

• Antibodies once bound to the virus neutralize it.

• The antibodies activate the pathways and help to prevent further damage to cell.

• Plasma transfused from at least two donors provides diverse antibodies, thus delivering greater protection to the immune system

How can you become a plasma donor?

- > A donor must wait up to 14-28 days after full recovery before being approved to donate, the person must.
- > Not have fever.
- > Not have any respiratory difficulties.
- > Have normal oxygen levels i.e. between 95 percent and 100 percent.
- > Have overall good health.
- > At the time of infection, a valid and official diagnostic test must be done to confirm SARS-COV2

Interesting Facts About Plasma Therapy?

- > In Therapy 1918: It was used to treat H1N1 and influenza virus pandemic, popularly known as the Spanish flu.
- > The World Health Organization (WHO) recommender the use of plasma therapy to treat Ebola patients in 2015.
- > It was also recommended to treat the Middle East Respiratory Syndrome (MERS)

3rd Prize: Gaurav Patel and Raj Patel (3rd Sem)

FASTER AND CHEAPER :ARTIFICIAL INTELLIGENCE IN DRUG RESEARCH AND DEVELOPMENT.		
Represented And Guided By:-		
Gaurav S. Patel (B – Pharm 3 rd semester)		Raj. D. Patel (B – Pharm 3 rd semester)
Abstract	Proposed Methodology	Study Area
<p>At present, the pharmaceutical industry is facing challenges in sustaining their drug development programmes because of increased R & D costs and reduced efficiency.</p> <p>So we can have AI, which uses the machine learning and other technologies like drug interactions, drug therapy monitoring and drug therapy formulation selection with medical diagnosis that are expected to make quicker, cheaper and more effective alternative for new drug approvals with fast of improving efficiency of the drug development process and collaboration of pharmaceutical industry giants with AI powered drug discovery firms.</p>	<p>In this flowchart using data evaluation regression is carried out in following ways:-</p> <ul style="list-style-type: none"> Development of internal handoff process. Use a combination of human data evaluation add machine learning automation with your data.  <p>Proposed Methodology Chart</p>	 <p>Sectors of Pharmacy where A.I. is being used</p>
Introduction to A.I. in Drug R & D	Literature Review	Advantages
<p>AI in pharma refers to the use of automated algorithms to perform tasks which traditionally rely on human intelligence.</p> <p>The use of artificial intelligence, has redefined how scientist develop new drugs, tackle diseases and more.</p>	<p>Alex zhavoronkov, ceo of insilico</p> <p>Where it was decades of time consuming process for drug discovery and development.</p> <p>We can rely on A.I. You can really play pretty much every segment from early stage of drug discovery where A.I. can Assist you with a Hypothesis model as essentially pulling out needles from haystack, with a target I.D., with small molecule identification, with virtual screening, with generation of novel molecules with specific properties, with planning your clinical trial design, with enrollment of clinical trial and also predicting the outcomes of clinical trials.</p>	<p>Improving our understanding of diseases and uncovering new targets.</p> <p>Driving personalized medicine strategies.</p> <p>Speeding the design and delivery of molecular new, molecule for patient.</p>
Problem Definition	Conclusion	Disadvantages
<p>It is to take decades of time for the drugs discovery and it's development before existence of A.I.</p>	<p>A.I. technologies are used today/most commonly in patient selection for studies and in data management. Use is increasing and expected to increase future research will examine specific use cases and their effect on drug development, performance and efficiency as well as identifying areas of greatest value from the case examples.</p>	<p>Any exceptional inconvertibility of A.I. can't be predicted early.</p>
Objective Of Study		Summary & Future work
<p>To find out the precise biological cause of diseases.</p> <p>For identification of potential treatment, rather than traditional trial and error approach.</p> <p>To find out the identification of hidden pattern in large volumes of data by employing A.I. in previous research of drug discovery.</p> <p>A.I. is going to lead to the optimum understanding of human biology and give us the means to fully address human diseases.</p>		<p>Goal of A.I. is to provide software that can input and output as it will provide human life interaction with software and offer decision, support for specific tasks.</p> <p>Helping drug discovery by identifying drug targets find good molecules from data libraries, suggest chemical modifications, identify candidates for repurposing etc.</p>
Scope of Study		Reference Pages
<p>A.I. can be applied to the following goals and Subjects:-</p> <ul style="list-style-type: none"> Genomics Diseases understanding Drug design and synthesis Personalized Medicine Imaging Clinical Sector 		<p>Pagella D. [Application of A.I. and M.L. in Pharma And Medicine, 2019] https://www.combi-techno-reviews/machine-learning-in-pharma-medicine/ Accessed 31Feb 23.</p> <p>Carnelli J, Chikudate S, Levy M. https://www.expertsattem.com/AI_and_ML_definition.</p>

7. REFRESHER COURSE

Date: 31st October and 1st Nov 2020

No of participants: 200 registered pharmacist

Day 1: 31st October, 2020

This year due to Corona Pandemic refresher course was conducted by the online mode using the Zoom Platform. The refresher course was inaugurated in the gracious presence of Chief Guest Dr. C.N Patel and Guest of Honour Mr. Montukumar Patel, Principal Dr Dhiren Shah and Course Coordinator Mrs Sonal Solanki. Dr. Atmaram Pawar, Vice Principal Bharati Vidyapeeth's Poona College of Pharmacy delivered his speech on "Handling of Prescriptions". In the next session Dr. Sandesh Lodha gave his speech on "Food Drug Interactions". In the post lunch session, Mr. Vipul Gajera, Assistant Professor delivered a talk on "Drug Information for Patient Counselling". Followed by, Dr. Hemal Bhuvra, Associate professor, SNLPCP, UmraKh delivered a lecture on "Use of Antibiotics"

Day 2: 1st Nov 2020

In the first half of the day, Dr Punit Rachh, Manager AyuNutra Pharmaceuticals, addressed the pharmacists on "Herbal Immunoboosters for COVID-19". Dr Amber Vyas, Professor, Pandit Ravishankar University, Chattisgarh delivered a lecture on "Novel Drug Delivery Systems". Followed by Mrs Bhoomi Doshi, Patient Counsellor, Qure Care for Complete Care, Ahmedabad delivered her speech on "Importance of Patient Counselling". After all lectures MCQ type exam was arranged for registered pharmacist. At the end, Valedictory Function was conducted in presence of Chief Guest Mr. Jasubhai Chaudhari, Registrar, Gujarat State Pharmacy Council, Ahmedabad. The feedback and attendance were taken on Online Mode.



8. ORIENTATION PROGRAM FOR POSTGRADUATE STUDENTS

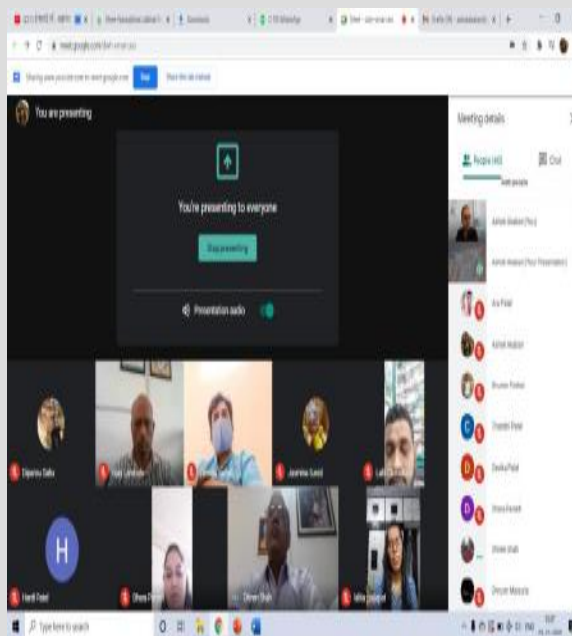
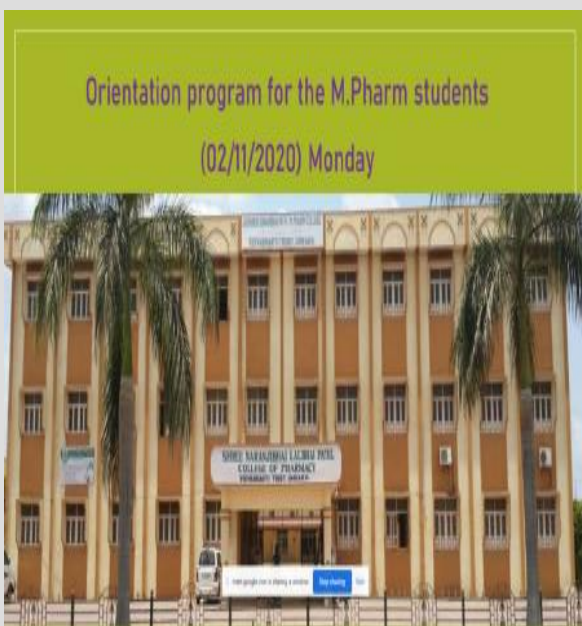
Date: Monday, 2nd November 2020.

Topic: "Orientation Program for postgraduate students"

No. Of Participants: 42

Summary of Session:

Due to covid-19 situation online orientation program was organized by Shree Naranjibhai Lalbhai Patel College of Pharmacy, Umrahkh, to newly admitted postgraduate students of Pharmaceutics, Pharmaceutical Quality Assurance and Pharmacology (AY 2020-21). The orientation program began on 02nd November 2020 with the welcome of the students, faculty members and respected principal sir Dr Dhiren P Shah, who graced the occasion with his presence. Newly admitted students introduce themselves starting by Pharmaceutics, Pharmaceutical Quality assurance and Pharmacology department. All students had shared their view regarding choosing PG course and what they want to do after completion of PG course.



9. ORIENTATION PROGRAM FOR UNDERGRADUATE STUDENTS

Date: Monday, 7th December 2020.

Topic: "Orientation Program for undergraduate students"

No. Of Participants: 83

Summary of Session:

Due to covid-19 situation online orientation program was organized by Shree Naranjibhai Lalbhai Patel College of Pharmacy, UmraKh, to newly admitted B. Pharm students on Monday, 7th December 2020. The orientation program began with Saraswati Vandana by Mrs. Pooja Chaudhari and welcome of respected Principal Dr Dhiren P Shah, faculty members and the students by Mr. Vipul Gajera. Dr. Dhiren Shah has given a brief description of the institute, which included faculty, facility, other activity, extracurricular activity, placement and many more activities. Then, all faculty members have introduced themselves to students. Mr. Vipul Gajera has given brief idea about various scholarships like MYSY, CMSS, ST/SC scholarship, SEBC and EBC scholarship, Minority scholarship. He has covered eligibility criteria, application and verification procedure.



10. ALUNA COMPETITION

Date: 20/07/2020

Aluna Competitions were held in Shree Naranbhai Lalbhai Patel College of Pharmacy, during 12th to 18th July 2020. This year, the festive celebrations were marked by online competitions of students due to the Corona Pandemic. Even though, Aluna was celebrated with pomp and show with online student participations. The students were asked to send the high quality images and a short videoshoot of their artform. During this festival celebration, various competitions were organized, like Rangoli, Drawing, Mehendi, Nail Art, Hairstyle and Antakshari. Cultural events bring out the creativity and hidden potentials among the students. These extracurricular activities not only boosts their confidence but also develops an inclination towards the academics. The prizes given away were as under:



Thali Decoration

1st Prize- Desai Rucha-5th Sem



2nd Patel Aabha -5th Sem



3rd prize- Mistry Jemini, 3rd Sem



*Appreciation Prize- Katariya Aniket
M.Pharm, 3rd Sem*



Rangoli Competition

1st Prize- Nayak Visha, 3rd Sem



2nd Prize- Patel Srushiti, 5th Sem



3rd Prize- Khushi upadhyay- 5th sem



Hairstyle Competition

3rd Prize- Priya Saileshbhai Patel 5th sem



2nd Prize- Patel Aabha 5th sem



1st Prize- Vansia Jenali, 7th Sem



Makeup Competition

1st- Rucha desai ,5th sem



2nd - Vansiya Jenali 7th sem



Chaudhari Krupanshi , 5th Sem



Nail Art Competition

3rd prize- Priya Shailash Patel,

5th sem



2nd Prize- Anjali Patel,

7th sem



1st prize - Patel Abha, 5th Sem.



Drawing Competition

3rd prize Tulsı Desai



2nd prize, Patel Hense, 3rd Sem



1st prize, Vyoma Dhivar - 7th sem



11. STUDENTS CREATIVITY

11.1 SKETCHES



NAYAK VISHA – 4th SEMESTER



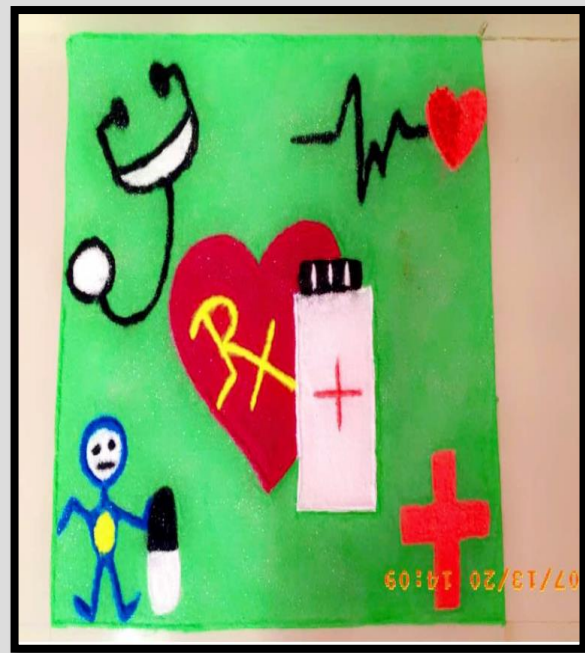
TULSI DESAI – 4th SEMESTER



PATEL KEVIN – 4th SEMESTER



DHIMMAR VAIBHAVI – 4th SEMESTER



MAISURIYA RIYA – 4th SEMESTER

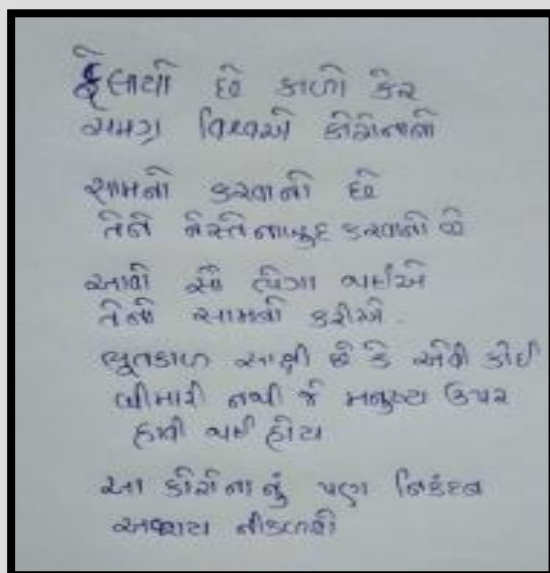


SAKSHI SINGH – 4th SEMESTER

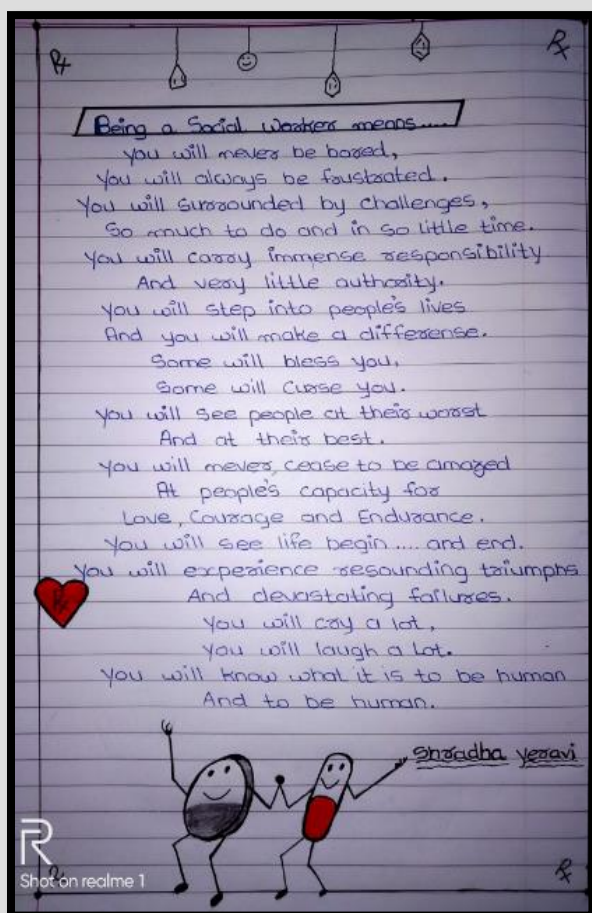


PRATIKSHA PATIL – 4th SEMESTER

11.2 POEMS & QUOTES



PREPARED BY CHAUHAN KHUSHI



SHRADHA YERAVI



GAURAV & RAJ

11.3 ESSAY WRITING BY STUDENTS

Name: Patel Gaurav Shekharbhai

Topic: Corona Warrior's

Year: 1st year B. Pharm, S. N. L. P. College of Pharmacy, Umrakh, Bardoli

Introduction: "VASUDEV KUTUMBKAM"

Which means that this world is all a family. In this sense, it seems true today that the whole human race today, as a brotherhood, with one tireless effort are fighting under one roof, to unite and save human life.

In my opinion, everyone who is following the government guidelines providers(MoHFW) ,being and making people aware to make them safe(News media and social media platforms by means of volunteers),doing their duties for our safety concerns(Doctors, Nurses, Wardboys Ambulance staff,clerks,cleaning staff), treating,curing (Researchers),researching,(Students of, IIT AND AIIMS) inventing technology and supporting gadgets (Postal staff a d policeman's) providing transportation help (Govt. ,NGO and other self-governed organizations providing the living necessities giveaway to those who are in need of them but can't afford, (Mahanagar Palika with Cleaning Personnel) making street by street cleaning and sanitizing (CRPF and Police officers) restricting us for our protection,(Private groups of donors) donating money capitals to Pm fund (Yuva mandals and mahila sangathan's) providing medical help kit,ration kits,masks.They are doing whatever they can do, to ensure the livelihood of ours,whatever they can do to prevent the spread of novel corona virus which is an epic pandemic disease nowadays; also to be helping hand to overcome the difficulties for self and others too are corona warriors.

#Government sector

Besides Gujarat is motherland to those great personalities that made us felt to be born on such prideful land. The leaders of our country like a 69 year old honorable PM Modi ji is one of Influencing Gujarat borne personality who makes me to remember Sardar Vallabhbhai Patel sir Mahatma Gandhi sir.

Modi ji is more than a leader achieved by this country, he Is the power of millions of people's heartbeat for Indians Cause no leader is been sung worldwide by his deeds before I had ever heard

with such mark leaving behind Namo Namo. In Delhi more than four million volunteers have signed up with the government to volunteer in the fight against Covid-19. These include doctors, retired government and Armed Forces Medical Services officials and members of National Cadet Corps. For Indian's struck in other countries, central government had made airlift to bring them back to India, out of danger and encouraging people with all the efforts of government yojna's Addressing the nation by various means of mass medias,also schedule show mann ki baat guides the nation to get unity in diversity among people moreover, he made india under lockdown of 57 days giving priority of people's lives more than dropping economy unlike United States. As per the modi sir's instructions for betterment of his loving COUNTRY PEOPLE'S LIVES, what he says that not to cross the threshold of homes entrance.

Also I feel thankful for being born in Gujarat, such a place to get upbringing from where the students are given with great achievements of scholarship,half fees schemes,Tfws also for E-learning Namo e-tab. Our honourable CM Vijaybhai rupani sir had personally asked for the wellness of the people quarantined at that time I felt we had achieved our great leaders also he got quarantined doing his duty, still he made doing his job within restrictions also made 61lakh apl1 card holders with free ration.

#Medical sector

As I'm a student of pharmacy

I understand how much it is difficult to cure a patient with the disease not having proper treatment or medicine to cure it. Still there are great doctors along with their medical staff (including nurse's ambulance staff to cleaning personell) of our country, under whom guidance the curing of patients is continuously being carried out. They are working so tirelessly that they have to stay in hospitals for couple of weeks, some of them are woman's who gave birth to young ones in month's they are unable to be available for their born babies even.

On this Mother's Day I would like to salute them on addition to allopathy, homeopathic and ayurvedic (kadha) cure is also giving great response. As per the instructions of MoHFW (ministry of health and family welfare to increase immunity is the only temporary option to fight against

corona also they says to stay safe at home only because corona will spread with effective crowding only. With slogan lines

"Corona won't have you, unless you go out of your house to take it"

"Co- koi

Ro- road par

Na - na aao "Which was also commended by PM Modi sir in addressing to nation.

#Contribution of tech sector

To minimize interaction with COVID-19 patients, an automated robotic device has been developed by the West Singhbhum Deputy Development Officer Aditya Ranjan, an engineering graduate from BIT Mesra in Ranchi. Hyderabad University's UVC disinfection trolley can clean coronavirus rapidly as corona virus is sensitive to light. The students of IIT AND AIIMS together had made robot which is having a greater area covering in sanitization VGRBC(Gujarat biotechnology research centre) in gandhinagar is the first to decide the whole genome sequence of corona virus. (Moment of proud)

#Economic sector

It will be great to honor the respected industrialists (**Mr. RATAN TATA and Mr. MUKESH AMBANI**) who had provided the PM relief fund for loving country's people. Also the star-actors like Akshay kumar sir, Amitabh bacchan sir and Salman khan sir etc. Moreover, the cricketer player's like Virat Kohli, etc had contributed for the PM relief fund. From the most folks overall the country had contributed with the amount of money they can donate with; had shown the world of strength of giving. The corporations, mandals and Sangathans made contributions from their side. Even in Gujarat people are so overwhelmed that they had started free food supply to those of migrants and also provided them with the ration kits.

Our CM Vijaybhai Rupani sir also had announced the free ration kits to 61 lakhs of APL-1 card holders through state government. Central government also had announced to giveaway of 500rs, 1000rs. Each month to poor ones who aren't having money due to lack of employment during lockdown.

#Restriction sector

The policeman's, CRPF officers postal staff had made their life of more hours as working than their official hours of working, they had risked their life's even got infected still they had lose neither courage nor do they tooked their step back. Just to make us safe, they are beating to those Dumbstruck people who don't understand their responsibility to stay at home and let corona to spread but what we are doing treating them with Stone's throwing how educated the folks are, this is how we should treat our well-wishers, really feel disappointed after our some of the country people's behavior. The police are willing to work even though in this high temperatures still their efforts are going in vain by those who are being reason to spread this virus. I just got to know that either this people aren't educated enough to understand their responsibility or they don't want India to be free from virus.

Still endless efforts from many societies are on their way with their tireless wishes and wills, I hope the end be the best with the proverb

CONCLUSION:-

VASUDEV KUTUMBAKAM WILL START APPEARING SOON

#Positive side

That is due to lockdown

- Air, water and soil pollution came under certain appreciable limits
- Animals that are thought to be extinct are founded with nature's beauty
- Families started living and spending together, as in daily lifestyle people had forgot humanity and real life, and used to go through virtually

After all, a big salute to all corona warriors

Jai Hind, Jai Jai Garvin Gujarat

11.4 CERTIFICATES

Name: Maisuriya Vivek Yashwantbhai

Year: 1st year B. Pharm, S. N. L. P. College of Pharmacy, Umrakh, Bardoli

He has successfully completed online course of “**Concepts of New Normal in Travel, Tourism and Hospitality Industry**” under GTU.



Name: Raj Patel

Year: 1st year B. Pharm, S. N. L. P. College of Pharmacy, Umrakh, Bardoli

He has participated and providing valuable inputs as Project Co-Chair for the event of **Cyber Crime Awareness Webinar**.



Name: Hamza Harunbhai Shaikh

He has successfully taken part in the online quiz on “Cyber Ethics” and secured 60%. The online quiz is conducted by Ministry of Electronics Information Technology, Government of India.



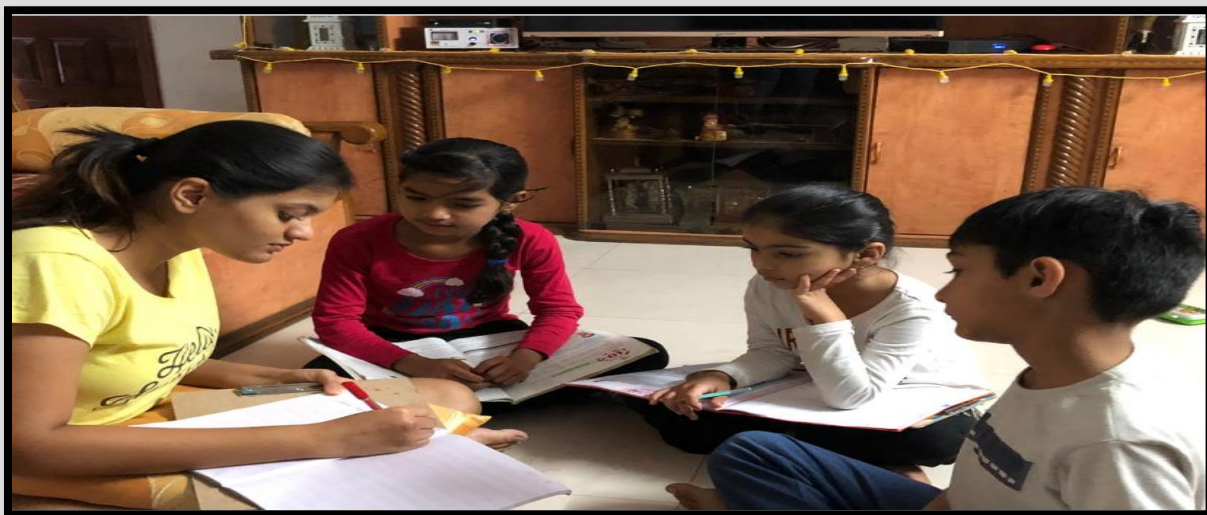
11.5 SOCIAL ACTIVITIES BY STUDENTS

11.5.1 STRAY ANIMALS FEEDING



His name is Vedansh Kadwane and he lives in Kesar kunj society, Bardoli. He likes to feed stray animals. Vedansh started this activity when he was 15 years old.

11.5.2 PROVIDE EDUCATION TO NEEDY STUDENTS



Her name is Reeti Shah and she is 18 years old. She is a student of 1st year B. Pharm. She teaches primary and middle school kids without charging fees. She has been doing this for almost a year. Her inspiration are grandfather and father who taught underprivileged students of secondary and higher secondary classes at nominal or no fees. She is very grateful for receiving good education and she is passionate about imparting it amongst others. She looks forward to teach such kids not just as a past time hobby but as a full time social service in future.

12. INSTITUTE TOPPERS: WINTER 2020

Rank	Student Name	Enrollment no.	SPI
B. Pharm 2nd semester			
1.	PATEL RAJ DHARMESHKUMAR	192680290050	9.52
2.	PATEL SHRADDHAKUMARI SHAILESH BHAIR	192680290051	9.40
3.	CHAUHAN KHUSHI HIMESH	192680290008	9.04
B. Pharm 4th semester			
1.	PATEL DRASHTI VIMALBHAI	182680290007	9.23
2.	DESAI AESHA NIPUL	182680290031	9.00
3.	PATEL ISHABEN RITESHBHAI	182680290034	8.85
3.	KUSHWAHA JAYESH RITESHBHAI	182680290012	8.85
B. Pharm 6th semester			
1.	PATEL ANJALI S.	172680290029	9.43
2.	. PATEL HELI VIJAYBHAI	172680290036	9.29
3.	PATEL JA MINIBEN C	172680290034	9.21
3.	SHARMA SHIVANI DINESHKUMAR	172680290054	9.21
3.	PRAJAPATI POOJAKUMARI MANHARBHAI	172680290048	9.21
B. Pharm 8th semester			
1.	ZAVERI SUFIYAN SIDDIKBHAI	162680290046	9.73
2.	MAHIDA POOJA NARENDRASINH	162680290020	9.64
3.	PATEL SHIVANI P.	162680290014	9.55
M. Pharm 2nd semester Pharmaceutics			
1.	JOSHI HARSH	192680820001	8.23
1.	MAISURIA PARTH	192680820002	8.23
1.	PRAJAPATI DHAVAL	192680820004	8.23
1.	PATEL CHINTAN	192680820003	8.23
M. Pharm 2nd semester Quality Assurance			
1.	PATEL ZIL DIPAKKUMAR	192680824006	9.54
2.	PATEL NIDHI DINESHKUMAR	192680824006	9.46
3.	SINGH CHANDNI KAMLESH	192680824006	9.23
M. Pharm 2nd semester Pharmacology			
1.	SINGH SNEHA	192680825005	8.69

M. Pharm 4th semester Pharmaceutics			
1.	THAKOR HELI NILAYKUMAR	182680820011	9.20
1.	BASAVARAJ SAVANOR	182680820001	9.20
1.	CHAUDHARY PRIYAVANDA BIPINBHAI	182680820002	9.20
1.	PATEL HARSH DILIPKUMAR	182680820005	9.20
1.	PATEL SARANGKUMAR MANOJBHAI	182680820007	9.20
1.	PATEL SEJALKUMARI BABUBHAI	182680820008	9.20
2.	PATEL MOHINI SHAILESHBHAI	182680820006	9.20
M. Pharm 4th semester Quality Assurance			
1.	PATEL DHIRUVKUMAR N.	182680820004	8.40
M. Pharm 4th semester Pharmacology			
1.	CHAUDHARI FALGUNIKUMARI SATISHBHAI	182680825001	8.35
2.	PRAJAPATI ANKITKUMAR BHARATBHAI	182680825003	8.10

13. GTU RANKERS



PATEL SHIVANI PANKAJBHAI

8th SEMESTER B. PHARM

CPI: 9.07



S.N.L.P.C.P.(UMRAKH)



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