



The Sikh Education Society's
Gurunanak College of Pharmacy

MAUZA NARI, KH.NO.81/1, KAMGAR NAGAR, NAGPUR-440026

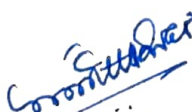
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2.3.1: Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

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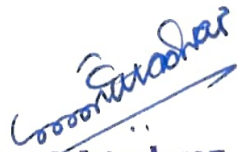
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1. Projects undertaken by students in year 2020-21 (Experiential learning)

1.1. Pharmaceutics (CGBS) 2020-21

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	ESHA S. JAIN	Immune Protective Gummies as Neutraceutical for Diabetics: New Formulation and Its Regulatory Assessment for Marketing	Dr. V. V. Kale
2	HASAN Y. HUSSAIN	New Teeth Protecting Formulation and its Marketing Plan	Dr. V. V. Kale
3	YOGESHWAR R. RODGE	Formulation of Wound Healing Dusting Powder of Oleoresin and its Marketing Plan	Dr. V. V. Kale
4	LABHESH S. MEN	Water Dispersible Herbal Liguosolid Gargle: Formulation & its Product Lifecycle Management	Dr. V. V. Kale
5	BHAKTI R. KADU	2D Printing Using Ketorolac Loaded Oral Thin Film	Dr. V. A. Kilor
6	FARHEEN BANO ABDUL HALEEM	Studies On Drug Crystallization Inhibition Potential of Polymers in Oral Thin Films	Dr. V. A. Kilor
7	SUHASINI S. CHAURASIA	Curcumin Loaded Nanosuspension : in Vitro, in Vivo Evaluation for its Oral Bioavailability Enhancement	Dr. V. A. Kilor
8	PRACHI U. SHAMBHARKAR	Studies on Antipsoriatic activity of Madhuca longifolia leaves extract and Development of its topical formulation	Dr. V. A. Kilor
9	ABHILASHA A. ROKADE	Formulation & Development of Dosage Form containing <i>Curcuma Amada</i> for the treatment of Rheumatoid Arthritic Patients	Dr. A. M. Ittadwar
10	VILESH G. JADHAV	Formulation Optimization of Neutraceuticals into pellets using QBD approach	Dr. A. M. Ittadwar
11	DARSHAN MENDHE	Formulation & Evaluation of Microparticles	Dr. A. H. Deshpande
12	TRUSHNA JAMGADE	Formulation & Evaluation of Emulgel for the treatment of Acen Vulgaries to Determine Factor Affecting it	Dr. A. H. Deshpande


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1.2 Pharmaceutical Chemistry (CGBS) 2020-21

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	CHARUSHEELA S. GIRI	Synthesis And Biological Evaluation of Novel Fluoroquinolone Derivative As Antibacterial and Antitubercular Agent	Dr. A. M. Ittadwar
2	KALYANI V. BHANDARKAR	Phytochemical Analysis and Standardization of Flavonoid Rich Fraction of Aerial Parts Of <i>Fagonia Arabica</i>	Dr. A. M. Ittadwar
3	KAVITA M. KHEDADE	Phytochemical Investigation and Anti-Mouth Ulcer Activity of <i>Jasminum Grandiflorum</i>	Dr. A. M. Ittadwar
4	BHAWNA SAKHARKAR	Phytochemical Screening And Standardization of Flavonoid Rich Fraction of Leaves of <i>Argyreia Speciosa</i>	Dr. S.B. Waikar
5	ZAVERIYA SHEIKH	Preliminary Phytochemical Screening and Standardization of Flavonoid Rich Fraction of <i>Tricodesma Indicum</i>	Dr. S.B. Waikar
6	GUNJAN G. KEWALRAMANI	To Isolate and Identify The Active Constituents of Plant <i>Sapindus Mukorossi</i> for Psoriasis and Related Skin Conditions	Dr. N.P.Sapkal
7	KARISHMA S. ASNANI	Synthesis and characterization of ionic liquid salts of curcumin	Dr. N.P.Sapkal

1.3 Pharmaceutical Quality Assurance (CGBS) 2020-21

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	RISHIKESH SANJAY KHAIRKAR	Development & Validation of Analytical Methods for the Estimation of Bilastine in Bulk Drug and Pharmaceutical Dosage Form	Dr. S. R. Walde
2	ABHILASHA CHANDRIKA YADAV	Development & Validation of Analytical Methods for the Estimation of Antidiabetic Drug in Pharmaceutical	Dr. S. R. Walde


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		Dosage Form	
3	PURVA SARODE	Anti- Inflammatory Activity of Topical Herbal Formulation & Its Evaluation.	Dr. S. R. Walde
4	RANJANA RAJU NIKHARE	Development & Validation of Analytical Methods for the Estimation of Evogliptin in Pharmaceutical Dosage Form	Dr. S. R. Walde
5	MONA B. SALWATKAR	Evaluation of Isolation Constituent of Bioactive Extract of Ipomoea Reniformis Chois for its Anticancer activity	Dr. S. R. Walde
6	PREETI C. RATHOUR	Phytochemical & Pharmacological Evaluation of Momordica Dioica for Anticancer Activity	Dr. S. P. Padmane
7	RASHMI NASARE	Formulation & Evaluation of Curry Leaves (Murraya Koenigii) Extract Suspension for the Treatment of Anti-ulcer and Gastrointestinal Diseases	Dr. S. P. Padmane
8	SUPRIYA BHAGAT	Formulation & Evaluation of Orodispersible Multivitamin Tablets	Dr. S. P. Padmane
9	CHANDRASHEKHAR B. BADWAIK	Formulation & Evaluation of New Polyherbal Toothpaste for Oral Care and its Comparison with Marketed Preparation	Dr. S. P. Padmane
10	MANISHA RAMESH CHAVHAN	Formulation & Evaluation of Gel Forming Occlusive Film for Topical & Transdermal Drug Delivery System	Dr. S. P. Padmane


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1.4 Under graduate projects (CGBS) 2020-21

Sr. No.	Gr	Name of the Student	Title of Project	Name of Supervisor
1.	1	Adiba Daud Khan	Powders for exfoliative purposes	Dr. Mitali Bodhankar
2.		Sudipa Dilip Bose		
3		Urja Manoj Chopkar		
4		Pritam wath		
5		Ahtesham raza khan		
6	2	Sumbul Fatma Hasan Khan	Facial Sheet mask for dermatological use	Dr. Mitali Bodhankar
7		Shrutika Sanjay Bawankar		
8		Sana Parveen Moin Shaikh		
9		Gaurav Sharma		
10		Gaurav Jaiswal		
11	3	Tejaswini Chandekar	Hair dyes formulation, it's evaluation and need for innovation	Dr. Mitali Bodhankar
12		Prachi Rode		
13		Bhagyashree Bhure,		
14		Nikita Pal		
15		Ashwini Dhakne		
16	4	Renuka Ishwar Gaikwad	SLS and Paraben Free Herbal Hair Cleansers.	Dr. Mitali Bodhankar
17		Prajakta Harode		
18		Pratiksha Bhajikhaye		
19		Yash Dubey		
20		Yogita Wankhede		
21	5	Kajal kesare	Various approaches for hair nutrition and hair strengths	Dr. Mitali Bodhankar
22		Urja tawri		
23		Manali barai		
24		Gaurav parmar		
25		kaustubh joshi		
26		Sandesh Purohit	"Marketing of Remdesivir" BC and AD (Before Corona and After Disease)	Mrs. Bindu Jacob
27		Rajdeep Ghadge		


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28	6	Vidhi Dugar		
29		Sakshi Rathi		
30		Ekta Tiwari		
31	7	Kanchan Kuralkar	Use of orange oil and d-limonene as alternatives to acetone in nail polish remover	Dr. Mitali Bodhankar
32		Pratiksha Deulkar		
33		Harshali Chonde,		
34		Kalyani Thakre		
35		Divya Atram,		
36	8	Devesh pelagade	Chemoprofiling of vasaka and Punarnava in Urisheet tablets and Sitalope tablets	Dr. S.B. Waikar
37		Chetna Shelote		
38		Tabassum Ahemad		
39		Mrunal Giripunje		
40		Sanket Vasmatkar,		
41	9	Sumit Sunil Pranjale	TLC fingerprint profile for Andrographis and Bramhi in Pentobitt liquid and Memo syrup	Dr. S.B. Waikar
42		Amit Lashkari		
43		Ninad Burkhande		
44		Rushikesh Gaikwad		
45		Pritam Govardhan		
46	10	Amruta lakhe	Chemoprofiling for Turmeric and Nirgudi in Haridrakhand Churna and Vatonil liquid	Dr. S.B. waikar
47		Kajal bhede		
48		Disha patel		
49		Bhairavi gawande		
50		Avesh Sheikh		
51	11	Dipti Masram	To study the current trends in e-marketing of Pharmaceutical products	Mrs. Bindu Jacob
52		Shivam Bhelau		
53		Pratiksha Bramhe		
54		Roshni bhalekar		
55	12	Sahil Meshram	TLC fingerprint profiles for Turmeric and Aloes in Haridrakhandachurna and Kumarayamruta	Dr. S.B. Waikar
56		Yashika Patil,		
57		Mahek Gupta		
58		Khushbu Sharma,		

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59		Umra Ansari		
60	13	Dimple Sahare	Chemoprofiling for Tinospora Cordifolia(Giloy) in Tionos tablets and Giloy Ras	Dr. S.B. Waikar
61		Dipti Pirwani		
62		Shruti Kawale		
63		Aishwarya Shahu		
64		Prathama Tupkar		
65	14	Kapil Dholwani	Onion rich hair dye	Dr. Mitali Bodhankar
66		Lakshya Udasi		
67		Mahesh Pimpalkar		
68		Nikita Kurhade,		
69		Zahara Khan		

2. Projects undertaken by students in year 2019-20

2.1 Pharmaceutics (CGBS) 2019-2020

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	Ankita Krishnadeo Soni	Development of Natural Excipients Composites For Solid Dosage Forms Application.	Dr. V. V. Kale
2	Jash Umesh Parikh	Modification, characterization and evaluation of polymeric material as absorbents for topical application.	Dr. V. V. Kale
3	Mohammad Atif Iqbal Ansari	Development, Characterization and Evaluation of Taste Masked Multiparticulate Sprinkles Formulation.	Dr. V. V. Kale
4	Paras Prasahnat Kothari	Formulation and evaluation of topical spray containing Antiseptic agent.	Dr. V. V. Kale
5	Shubham Nilkanth Kalbande	QBD: Formulation and Process Optimization of Granules for Tablet Compression.	Dr. V. V. Kale
6	Ankita Ashok Somkuwar	Studies On Ionic Liquids Of Acyclovir As Penetration Enhancers In Transdermal Drug Delivery System	Dr. V. A. Kilor
7	Hemlata Dnyaneshwar	Studies on Antipsoriatic Activity of <i>Sapindus Mukorossi</i> fruit pericarp extract and Development of Topical	Dr. V. A. Kilor


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	Rarokar	Formulation	
8	Shruti Ieshwar Dongare	Development and evaluation of topical formulation of <i>dolichandron falcate</i> leaf exteact for the treatment of haemorrhoids	Dr. V. A. Kilor
9	Shubham Shivpujan Gupta	Preparation and Evaluation of Curcumin loaded Nanosuspension using High shear homogenization method.	Dr. V. A. Kilor
10	Swapnil Ganeshrao Yeul	Preparation and evaluation of topical formulation of <i>Gaultheria fragrantissima</i> Oil for the treatment of inflammation.	Dr. V. A. Kilor
11	Nihal Sunil Landge	Formulation and Evaluation of emulgel for topical drug delivery of Azithromycin.	Mr. A.H. Deshpande
12	Satyam Yadorao Hatwar	Comparative evaluation of permeation enhancement activity of natural oil & butter reconstituted by transesterification with glycerin.	Mr. A. H. Deshpande
13	Vaibhav Santosh Shende	Formulation and Evaluation of Wax Microparticles of Albendazole.	Mr. A. H. Deshpande
14	Junaid Wasi Ansari	Development, Evaluation And Optimization Of Arrowroot Starch Composites For Oral Solid Dosage Forms.	Dr. A. M. Ittadwar
15	Pooja Purushottam Bhomle	Formulation and evaluation of alleged agents for alcohol disorder.	Dr. A. M. Ittadwar

2.2 Pharmaceutical Quality Assurance (CGBS) 2019-2020

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	Deepali N.	Development and Evaluation of Fast Dissolving	


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	Tapre	Sublingual Film of Famotidine	Dr. S. R. Walde
2	Neha S. Nikhade	Development and Evaluation of Herbal Extract Oral Film for Anti-ulcer Activity	Dr. S. R. Walde
3	Shital A. Agashe	Phytochemical and Pharmacological Evaluation of <i>Ipomoea reniformis</i> Chois for Anticancer Activity	Dr. S. R. Walde
4	Shushma K. Girde	Formulation and Evaluation of Anti-Inflammatory Drug Loaded Microsphere	Dr. S. R. Walde
5	Taranpreet Kaur Bamrah	Development and Validation of Analytical Methods for the Estimation of Remogliflozin in Pharmaceutical Dosage Form	Dr. S. R. Walde
6	Trupti C. Bobde	Enhancement of Solubility Of Anti-Diabetic Poorly Water Soluble Drug by Using Solid Dispersion Technique	Dr. S. R. Walde
7	Mojabir Ansari	Formulation and Evaluation of Alginate-Starch Beads loaded with Broad Spectrum Anti-biotic for Colon Specific Drug Delivery	Dr. S. R. Walde
8	Rahul R. Langde	Enhancement of Solubility and Bioavailability of BCS Class II Drug	Dr. S. R. Walde
9	Harshali N. Shende	Development of Cellulose/Micro Crystalline Cellulose from Cotton Waste Using Ecofriendly Process as Tablet Excipient	Dr. S. P. Padmane
10	Priyanka L. Mokharkar	Development and Validation of Analytical Methods for the Estimation of Ramosetron in Pharmaceutical Dosage Form	Dr. S. P. Padmane
11	Priyanka N. Warambhe	Formulation and Evaluation of Herbal Extract Gel Based Hand Wash	Dr. S. P. Padmane
12	Rahul S. Gupta	Development and Validation of Analytical Methods for the Estimation of Iguratimod in Pharmaceutical Dosage Form	Dr. S. P. Padmane
13	Rina G.	Phytochemical and Pharmacological Evaluation	Dr. S. P.


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	Kalbande	<i>Balanites Roxburghiana</i> linn for Anticancer Activity	Padmane
14	Sagar Newargade	Development and Validation of Analytical Methods for the Estimation of Bilastine in Pharmaceutical Dosage Form	Dr. S. P. Padmane
15	Sonam S. Yadav	Extraction and Isolation of Phytoconstituents of <i>Passiflora foetida</i> Linn. Plant and their Pharmacological Screening for Anti-depressant Activity	Dr. S. P. Padmane

2.3 Pharmaceutical chemistry (CGBS) 2019-2020

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	Harshpal Singh Wahi	Preformulation studies of molecules processed using electrospinning technique.	Dr. N.P.Sapkal
2	Komal S. Gupta	To Establish the Degradation Profile of Betahistine.	Dr. N.P.Sapkal
3	Komal Akare	Synthesis and Characterization of Improved Pharmaceutical Salts of Acyclovir.	Dr. N.P.Sapkal
4	Shikha D. Popali	Synthesis and characterization of improved Pharmaceutical Salts of Betahistine.	Dr. N.P.Sapkal
5	Abhijit N. Daf	Phytochemical screening and evaluation of analgesic activity of flavonoid rich fraction of leaves of <i>Clerodendrum infortunatum</i> Linn.	Dr. S.B. Waikar
6	Dhammadip C. Nandgaye	Phytochemical screening and evaluation of analgesic activity of flavonoid rich fraction of leaves of <i>Lepidagathis cristata</i> Willd.	Dr. S.B. Waikar
7	Payal A. Chandurkar	Synthesis and Characterization of Hesperidin Derivatives Based on QSAR Studies.	Dr. S. B. Waikar
8	Sameer A. Hedao	Design and Synthesis of Fluoroquinolone Derivatives as Antibacterial agent.	Dr. S. B. Waikar
9	Priya V. Vaswani	Synthesis of 7-substituted Fluoroquinolone derivatives as Antibacterial agents.	Dr. A. M. Ittadwar
10	Shivani	Isolation and Characterisation of Bioactives from	Dr. A. M. Ittadwar

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Chaudhari	<i>Psidium guajava</i> Leaves	Ittadwar
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2.4 Under graduate projects (CGBS) 2019-20

Sr. No.	Name of Students	Title of Project	Name of Supervisor
01	AKANSHA M. JAGTAP	Synthesis & Evaluation of Ionic Liquid of Acyclovir.	Dr. V. A. Kilor
02	ANJALI BANSOD	Review of Geratology	Dr. N. P. Sapkal
03	ANJALI Y. JAMBHULKAR	Review on: Herbal Treatment for Insomnia.	Dr. S. R. Walde
04	BHAVNA D. AWACHAT	Preliminary Phytochemical Screening and TLC study of extract of <i>Phyllanthus Urinaria</i> . Linn.	Dr. S. B. Waikar
05	DAVINI BOBADE	Effects of heat on Vitamin C in Tomatoes.	Ms. P. G. Gondane
06	FIRDOUS ANJUM SHEIKH AKRAM	To compare Gelling Properties of various Polymers.	Mrs. S. A. Ubgade
07	HIMANSHI W. CHAUDHARI	Review of Herbal Drugs as Anti aging Solutions.	Dr. N. P. Sapkal
08	JANHAVI PARIHAR	A Comparative Study: Assay for the determination of Ascorbic Acid content in various marketed preparation.	Mr. T. M. Rasala
09	KARUNA RAMKRUSHNA PAUNIKAR	Literature survey on Nutraceutical and it's impact on health care.	Mrs. M. K. Bhurchandi
10	KOMAL P. KONDEKAR	Artificial Intelligence as a tool for discovery of new drugs.	Mrs. B. A. Jacob
11	MAMTA MANOJ GUPTA	Studies on effect of excipients on Ethyl Cellulose Backing Membrane.	Mr. K. B. Bhelkar
12	MAVIYA HUSSAIN	A review on Phyto-Pharmacological potential of <i>Bauhinia Purpurea</i> .	Dr. S. K. Arora


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13	MITISHA M. FADNAVIS	Awareness of Indian patent laws: To develop and evaluate study material.	Dr. V. V. Kale
14	NEHA NASRE	Review of Herbal Alzheimer Drug.	Dr. N. P. Sapkal
15	NILAMBARI WALDE	Survey and analysis of unused medication disposal practice amongst Pharmacy students.	Dr. V. V. Kale
16	PALLAVI C. PHOPATE	To study recent advances in the field of particle size analysis.	Mrs. S. A. Ubgade
17	POOJA DNYANESHWAR RAUT	Review: Quality by design in Pharmaceutical formulation development and its optimization.	Mr. T. M. Rasala
18	PRAGATI P. SAMARTH	Advancement in surgical dressings	Dr. S. R. Walde
19	PRAGATI S. TAGDE	Preliminary Phytochemical screening and TLC study of extract of Woodfordia Fruticosa.	Dr. S. B. Waikar
20	RAGINI A. AMARNANI	Organic Chemical waste management in chemistry laboratory by effective disposal for better environment and society.	Ms. P. G. Gondane
21	RITIKA R. SINGH	Buccal Bioadhesive drug delivery system.	Dr. S. P. Padmane
22	SAKSHI V. MASKE	Phytochemical Investigation of Azadirachta Indica.	Mr. V. B. Pande
23	SAPANA MATTAMI	Acute toxicity study of some medicinal plant.	Mr. V. B. Pande
24	SHIFA MUSTAK SHEIKH	Formulation and evaluation of Herbal Liquid Shampoo.	Mr. K. S. Moharir
25	SHIVANI A. DARBHE	Literature survey on Emerging Therapies of Cancer.	Mrs. M. K. Bhurchandi
26	SHUMAILA N. CHINI	Approaches for solidification of Lecithin As a Neutraceutical Agent.	Dr. V. A. Kilor
27	SIMRAN D. LAKHANPAL	A comprehensive review on tools for computer aided drug design and discovery.	Mr. K. S. Moharir
28	SUKANYA Y.	Analytical Evaluation of few extracts of Ipomoea	Mr. S. R.


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	WAGHMARE	Reniformis.	Manapure
29	TEJASWINI S. KAWANPURE	Insulin therapy & it's new approaches.	Dr. M. M. Bodhankar
30	VAISHNAVI S. VAIRAGADE	Preparation and evaluation of Oral Film.	Dr. G. K. Lohiya
31	VIBHA V. MADNE	Evaluation of Different Samples of Honey Obtained in Market.	Mr. G. A. Gurunani
32	YOGITA D. NIKURE	Herbal drugs used in beautifying treatment and some skin disorder.	Dr. M. M. Bodhankar
33	YOGITA DEOPRASAD SHAHU	Formulation and evaluation of solid dosage form of Lecithin as a therapeutic agent.	Dr. V. A. Kilor
34	ABHISHEK HARNE	Priliminary Phytochemical screening and TLC study of extract of Carica Papaya Leaf.	Dr. S. B. Waikar
35	ADITYA D. WARGHANE	Antimicrobial Activity of Alcoholic extract of leaves of Madhula Longifolia.	Mrs. A. N. Mungle
36	AJAY SHAHU	A review on modern method for extraction of natural product.	Dr. S. K. Arora
37	AKASH M. VAISHNAV	Study of Physicochemical Properties of Edible oil (Groundnut oil)	Mr. G. A. Gurunani
38	AKHILESH W. MESHRAM	To study and evaluate the release profile of Franz diffusion cell (Modified).	Dr. G. K. Lohiya
39	AKSHAY A. LOYA	Finance Concepts for Non-Financial students: To develop and evaluate study material.	Dr. V. V. Kale
40	AKSHAY WAWARKAR	Phytochemical screening of Ipomoea Reniformis.	Mr. S. R. Manapure
41	ANIKET G. GAWALE	Phytochemical Investigation of Ocimum Sanctum.	Mr. V. B. Pande
42	ANKIT SIPAHI	Different types of Aloe Vera Pharmaceutical formulations-A Review	Mrs. B. A. Jacob
43	ANUBHAV D. MORGHADE	Progress in Neutraceutical Industry.	Mrs. B. A. Jacob
44	CHAITANYA PATEL	Evaluation of some marketed preparations of	Mr. G. A.

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		Castor Oil.	Gurunani
45	HEMANT DONGRE	Nanocarriers as an emerging platform for Cancer therapy.	Ms. P. G. Gondane
46	JAYANT D. JAWANJAR	A Review on Solid Dispersion.	Dr. S. P. Padmane
47	KRISHNAKANT GANDHI	Zebrafish as a model for preclinical screening – a review.	Dr. S. R. Yende
48	LAXMIKANT SARODE	Pharmacopoeial evaluation of micro crystalline cellulose.	Mr. S. R. Manapure
49	MAYUR M. KIRPAN	Acute toxicity study of poly herbal formulations.	Dr. S. R. Yende
50	MOHD. USMAN YOUSUF ZAKI	To redesign Franz diffusion cell to maintain the sink condition.	Dr. G. K. Lohiya
51	NITIN A. BIRE	Phytosynthesis of Silver Nano particles and its bioactivity towards bacterial Pathogens.	Mrs. A. N. Mungle
52	PRADIP G. THAKARE	Preparation and evaluation of toilet cleaning bombs.	Mr. T. M. Rasala
53	PRAFUL FULWANI	Pharmacotherapy and prevalence management of hypertension- A review.	Mrs. A. N. Mungle
54	PRANAY GAJBHIYE	Techniques use for Enhancement, Solubility and Bioavailability drug of BCS Classes.	Dr. S. R. Walde
55	PUNARAMBHAIYALAL PANDHARE	Literature survey on changing scenario of packaging in Pharmaceutical Industry.	Mrs. M. K. Bhurchandi
56	PUNIT DILIP VARMA	Phytochemical Investigation of Tinospora Cordifolia.	Dr. S. R. Yende
57	RAHUL GAIDHANE	Formulation and evaluation of films containing Sodium Alginate Microparticles.	Mr. K. B. Bhelkar
58	RAKESH DEEPAK DHARMIK	To compare dissolution profiles of various oral formulation.	Mrs. S. A. Ubgade
59	RAMKISAN S. MASKE	Comparative study of pectin isolated from different Citrus fruit.	Mr. K. B. Bhelkar
60	SACHIN TAKRAS	Statistical analytical tools in Pharmaceutical	Dr. A. M.

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		research.	Ittadwar
61	TANAY A. SHAHU	Packaging technology in Pharmaceutical industry- Current trends, advances and future.	Mr. K. S. Moharir
62	TUSHAR G. KAGDE	Liposomes- A novel drug delivery system Review article.	Dr. S. P. Padmane
63	VAIBHAV B. KAPGATE	DNMT inhibitors, natural sources and emerging trends in Cancer therapy.	Dr. M. M. Bodhankar
64	VEERENDRA U. DHOKE	A review on novel drug delivery system for herbal formulation.	Dr. S. K. Arora
65	PRATIKSHA C. MESHAM	"Illustrative & Effective Visual Study of Sterilization"	Dr. G. K. Lohiya

3. Projects undertaken by students in year 2018-19

3.1 Pharmaceutics (CGBS) 2018-2019

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	SIMRAN RAJENDRA PAL	Formulation and evaluation of solid dosage form using natural rosin as an excipient	Dr. S. B. Waikar
2	SHUBHANGI S. DAHALE	Formulation and evaluation of tablets using Boswellia serrata gum as an excipient	Dr. S. B. Waikar
3	SHRADDHA R. SHAHU	Formulation and evaluation of sustained release dosage form using gum copal and gum dammar as an excipients	Dr. S. B. Waikar
4	RACHANA B.KSHIRSAGAR	Formulation and evaluation of transdermal patch for prevention and treatment of thrombophlebitis	Mr. A.H. Deshpande
5	VIDHYA R. PATIL	Formulation and evaluation of wax beads by melt solidification technique	Mr. A. H. Deshpande


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6	ROHIT KUMAR	Formulation and evaluation of microparticulate drug delivery system of 'melissa officinalis oil' (lemon balm oil)	Mr. A. H. Deshpande
7	RAJAT S. PAHWA	Development of foam granulation powders : To study the effect of compression behaviour	Dr.V. V. Kale
8	ROHINI M. RAKSHAK	Development and evaluation of oral diskettes for dental disorders for paedriatic populations.	Dr.V. V. Kale
9	SHUBHANGI S. MOHIJE	Development and evaluation of medium chain triglycerides as permeability enhancer for poorly permeable drug/s	Dr.V. V. Kale
10	PRIYANKA T. BHAIASARE	Development of discriminating dissolution method for sildenafil citrate tablet formulations	Dr. V. A. Kilor
11	ADITI M. BAPAT	Investigation of effect of various stabilizers on the stability of lansoprazole nanosuspension.	Dr. V. A. Kilor
12	SUVARNA A. ASARE	To prepare topical formulation of <i>Calotropis gigantea</i> leaf extract for the treatment of inflammation	Dr. V. A. Kilor
13	SHALAKHA G. SAHARE	Combination therapy for the treatment of Bacterial Vaginosis containing Probiotics	Dr. M. M. Bodhankar
14	PRANITA R. KALE	Novel Approach to colonic delivery in the treatment of ulcerative Colitis.	Dr. M. M. Bodhankar
15	SAURABH P. BAGDE	Formulation and Evaluation of medicated paint for the treatment of topical infections	Dr.A M. Ittadwar
16	APURVA D. POKALE	Development of chewable formulation for sore throat	Dr .S. K. Tiloo

3.2 Pharmaceutical Quality Assurance (CGBS) 2018-19

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	APURVA R.SHUKLA	Extraction and Isolation of Ohytoconstituent An Pharmacological Screening of Salacia Oblong Plant for its Antimicorobial Activity	Dr. S. R. Walde
2	PAYAL S. WATH	Fomulation and Characterization of Sustained Release Drug Pallets of Valproic Acid By Melt Spray Congeling	Dr. S. R. Walde


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3	RAKHI M. SARPATE	Formulation, Characterization and Evaluation of Coenzyme Q10 Solid Dispersion Microparticles By Melt Spray Congealing	Dr. S. R. Walde
4	MANMAY MAKKAD	Preparation and Evaluation of Formulation for Treatment Of Kidney Stone And Calcium Defeciency	Dr. S. R. Walde
5	MANSI C. KANCHANWAR	Extraction and Isolation of Phytoconstituents and Pharmacological screening of passiflora Foetida Linn. Plant for its Antimicrobial Property	Dr. S. R. Walde
6	SWAPNIL R. DUDHAKOHAR	Development and Validation of Analytical Method for The Estimation of Efonidipine Pharmaceutical Dosage Form	Dr. S. P. Padmane
7	PAYAL A. THAKUR	Formulation and Evaluation of Oral Nanodispersion Of Fat Soluble Vitamin D3	Dr. S. P. Padmane
8	YOGITA P KHADE	Formulation and Evaluation of Immediate Release Sprinkle Capsule	Dr. S. P. Padmane
9	SNEHA S. HEDAU	Formulation and Evaluation of Spherical Solid Dry Microparticle Using Melt-Spray Congealing	Dr. S. P. Padmane

3.3 Pharmaceutical chemistry (CGBS) 2018-19

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	MUJAHID UL KHAIR	Preperation and characterization of ionic liquids of some APIs	Dr. S. B. Waikar
2	SWAPNIL A. DESHMUKH	Preparation and characterization of stable salt form of some API's	Dr. S. B. Waikar

3.4 Under graduate projects (CGBS) 2018-19

Sr. No.	Name of Student	Title of Project	Name of Supervisor
01	ABHILASHA ARUN ROKADE	Preparation of Charcoal Mask	Mr. K. S. Moharir


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02	ADITI RAJESH GUPTA	Review of marketed monoclonal antibodies.	Mr. D. P. Dharkar
03	ADITI RAVINDRA SELOKAR	Biomaterial/s use in Packaging.	Dr. V. V. Kale
04	ANKITA AMBIKAPRASAD SHAHU	"Doctrine of Signature: The God's own formulation."	Dr. A. M. Ittadwar
05	APURVA RAJU NAGDEVE	Literature survey on Pharmacogenetics.	Mrs. M. K. Bhurchandi
06	ASHWINI D. CHANDIMESHAM	Natural Sources of Antioxidants.	Dr. S. R. Walde
07	BHAKTI RAM KADU	Management & Utilization of Waste: A review	Mrs. A. N. Mungle
08	CHARUSHEELA SUNIL GIRI	Review of Quality Control & Quality Assurance & Validation Process used in Pharmaceutical Industry	Dr. A. M. Ittadwar
09	DISHA DILIP PARDHE	Stability of Colourants – A Review	Mrs. B. A. Jacob
10	DOLLY JAYESH MUKHI	Preliminary Phytochemical Screening & TLC studies of extract of Operculina Terpehthum. (Nishoth)	Dr. S. B. Waikar
11	DURGA DEONATHJI BANSOD	Review Article on Neurodegenerative Diseases (Review)	Ms. P. G. Gondane
12	ESHA SANJAY JAIN	Preparation of Micellar Water.	Mr. K. S. Moharir
13	GUNJAN GIRISH KEWALRAMANI	A review on Phytosomes as Novel Drug Delivery System.	Dr. S. K. Arora
14	HARSHADA GHANSHYAM HULKE	Development of Herbal Formulation for Paediatric use.	Mrs. S. A. Ubgade
15	KARISHMA SURESH ASNANI	Formulation & Evaluation of Herbal Oral Dissolving film for the treatment of Mouth Ulcers.	Mr. T. M. Rasala
16	KHUSHBU SUNIL BALBUDHE	Phytochemical Investigation of Entada Rheedii Spreng seeds. (Family: Mimosaceae)	Mr. V. B. Pande

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17	KOMAL DHONDUJI MESHRAM	Analytical Quality by Design (AQBD) in Pharmaceutical Development: A review	Mrs. B. A. Jacob
18	MAYURI SURESH CHAKOLE	Phytopharmacological Potential of Padina Tetrastromatica: A review	Dr. S. K. Arora
19	MINAKSHI ANANTA NINAVE	Review of Marketed Anti Asthmatic Drugs	Mr. D. P. Dharkar
20	MINAKSHI WAGHMARE	A review on Phytochemical & Pharmacological Potential of Rauwolfia Serpentina.	Ms. P. G. Gondane
21	NANDINI ARVIND NIMBALKAR	Allopolyherbal Formulations: A Review	Dr. S. R. Yende
22	NISHA BANDUJI SHAMBHARKAR	Comparative study of Plasticizers in hydrophilic polymer films.	Mr. K. B. Bhelkar
23	PALLAVI SATISH SAUJANI	Linseed mucilage as film forming agent in film formulation	Mr. T. M. Rasala
24	PAYAL BARASU KSHIRSAGAR	"Illustrative & Effective Visual Study of Tablet Dosage Form"	Mr. G. K. Lohiya
25	PAYAL VISHNU DHANDE	Detection of Adulterants in Some Common Food Stuff	Mr. S. R. Manapure
26	POOJA SHANKARRAO MATE	Synthetic & Herbal Carriers for Novel Sunscreen Formulation	Dr. M. M. Bodhankar
27	PRAGATI YADAV	Review on New Drug Delivery System	Ms. P. G. Gondane
28	PRATIKSHA C. MESHRAM	"Illustrative & Effective Visual Study of Sterilization"	Mr. G. K. Lohiya
29	PRIYA KHEDKAR	A review on therapeutics potential of Bioactives in curculigo orchioides family: Amaryllidaceae	Dr. S. K. Tiloo
30	PRIYA LILADHAR MESHRAM	Preliminary Phytochemical Screening and TLC Study of Extract of Clerodendrum Infortunatum Linn.	Dr. S. B. Waikar
31	PURVA KISHOR SARODE	Effect of Antioxidant Therapy on Diabetic Mellitus : A Review	Mr. S. R. Manapure
32	RANJITA KRISHNA DAS	Extraction & Evaluation of Red Dye from	Mrs. A. N.

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		Organized Crude Drug (Research).	Mungle
33	RASHMI HEMKANT NASARE	A study of medication adherence & medication compliance to Insulin therapy in Diabetic patient in Nagpur region.	Mrs. S. A. Ubgade
34	SNEHA MOHAN SHAHU	Phytochemical & Pharmacological Potential of Flemingia Strobilifera: A review	Dr. S. K. Arora
35	SUHASINI SURENDRA CHAURASIA	Formulation & Evaluation of Backing Membrane for Pharmaceutical Dressing.	Mr. K. B. Bhelkar
36	TEJAL ASHOK RAUT	Study of Physicochemical Properties of Edible oil (Palm oil)	Mr. G. A. Gurunani
37	VASUNDHARA WASUDEO BAMBAL	To Study Physicochemical Properties of Edible Oil (Soyabean Oil)	Mr. G. A. Gurunani
38	ABHILASH MORESHWAR BURDE	Hospital Pharmacist as a carrier in India: A survey	Dr. V. A. Kilor
39	ABHISHEK CHANDRASHEKHAR BAPAT	Preparation and Evaluation of Herbal Tooth Paste.	Mr. S. R. Manapure
40	BHUSHAN SURENDRA BAWANKAR	Market Survey to find the effect of age on use of some consumables by patients	Mr. A. H. Deshpande
41	DARSHAN VILAS MENDHE	Literature Survey of Biogenic Nanoparticle	Mrs. M. K. Bhurchandi
42	GOVIND GHARBHARAN SHARMA	Strategies for Prevention of Malnutrition	Dr. S. R. Yende
43	HASAN YUSUF HUSSAIN	Formulation & Evaluation of Hydrogel Film	Mr. K. B. Bhelkar
44	INDRESH UMESH KHUNGAR	Evaluation of Different Samples of Honey Obtained in Market	Mr. G. A. Gurunani
45	KESHAV BALAJI CHERLAPALLE	Phytochemical & Therapeutic Potential of Celosia Cristata: A Review	Mr. V. B. Pande
46	KRISHNA CHANDULAL THAKRANI	Illustrative and Effective Visual Study of Drugs acting on Urinary System	Mr. G. K. Lohiya
47	LABHESH SUDHAKAR	Application of Artificial Intelligence in	Mr. T. M.


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	MEN	Formulation & Development: Review	Rasala
48	MOHIT AJAYKUMAR DAYARAMANI	Literature Survey of Scalp Drug.	Mrs. M. K. Bhurchandi
49	NIKHIL KHUSHAL SONKUSARE	Phytochemical and Therapeutic Potential of Bauhinia Purlpurea Linn: A Review	Mr. V. B. Pande
50	NIKHIL NAMDEO THORANE	Buccal and Sublingual Drug Delivery of Peptides	Dr. N. P. Sapkal
51	NIKHIL VASANTRAO BOKDE	Preventive Medicines as an alternative approach for the care of life threatening diseases	Mrs. S. A. Ubgade
52	NISHANT VISHWAKARMA	Evidence based Ethanomedicinal and Folklore uses Balanites Aegyptiaca Family: Balanitaceae/ Zygophyllaceae.	Dr. S. K. Tiloo
53	PANKAJ BANDU JAHURKAR	Herbal Treatment for Insomnia.	Mr. S. R. Yende
54	PRATIK DHANANJAY DHAMANKAR	Review of Recent Marketed Antiviral Drugs	Mr. D. P. Dharkar
55	RAJAT RANGRAO PANDE	Insulin Derivatives: A Novel Approach in Insulin Delivery	Dr. S. P. Padmane
56	RISHABH RAKESH KAUSHIK	A review on Artificial Intelligence in Drug Discovery	Mr. K. S. Moharir
57	SHUBHAM SURESH CHIKHALE	Various Approaches Towards Enhancement of Bioavailability of Curcumin- A Potent Phytochemical	Dr. M. M. Bodhankar
58	VILESH GOVARDHAN JADHAV	A review on Green Chemistry	Mrs. A. N. Mungle
59	YOGESHWAR RISPAL RODGE	A Review on Antiepileptic Drug: Current Scenario and Future Prospects.	Mrs. B. A. Jacob


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4. Projects undertaken by students in year 2017-18

4.1 Pharmaceutics (CGBS) 2017-18

Sr. No	Name of Student	Thesis Title	Name of Guide
1	KARAN SOHANDANI	Formulation and Development of A Novel Technology For Multilayered Tablets.	Dr. Mrs. Vinita.V. Kale
2	ANKUSH SEN	Optimization and Validation of Spray Dried Gelatine Composite For Rapidly Disintegrating Preparations.	Dr. Mrs. Vinita.V. Kale
3	HARSHITA JAIN	Formulation and Development of Multiparticulate Pellets For GERD (Gastroesophageal Reflux Disease)	Dr. Mrs. Vinita.V. Kale
4	KALYANI KHUNE	Nanomaterial From Agricultural Waste: Formulation and Evaluation As Film Former.	Dr. Mrs. Vinita.V. Kale
5	AMRAPALI BHAGAT	Development of Formulation For Mouth Ulcer Using Guava Leaves Extract	Dr. Mrs. V. A. Kilor
6	PAYAL MENDHE	Development of Drug Loaded Printing Inks Suitable For 2D Printing of Medicines on Edible Substrate Like Oral Thin Films	Dr. Mrs. V. A. Kilor
7	VIDYA BAHEKAR	"Studies on Solubility Enhancement of Tadalafil"	Dr. Mrs. V. A. Kilor
8	SHUBHANGI T. RANGANKAR	"Studies on cocrystallization of poorly water soluble drug for solubility enhancement."	Dr. Mrs. V. A. Kilor
9	AZHAR IQBAL	"Studies On Stability Of Spray Dried Taste Masked API"	Dr. Mrs. V.A Kilor
10	DEEPA SINGH	Development of Gel Formulation Containing Salicylic Acid and Herb Used For Skin Disease.	Dr. A. M. Ittadwar
11	ANKUSH	Formulation and Development of Fast Disintegrating	


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	KHAPARDE	Tablets of Spray Dried Herbal Extract (Triphala).	Dr. A. M. Ittadwar
12	PAYAL CHAUHAN	Formulation and Evaluation Of Microparticulate Drug Delivery System of <i>Cymbopogon citratis</i> Oil (Lemon Grass Oil)	Mr. A. H. Deshpande
13	SHUBHAM.S.DH OTARAKAR	Development and Optimization of Topical Formulation containing spray dried <i>Aloevera</i>	Dr. Mr. S. K. Tiloo
14	SHRUTI UKEY	Formulation and Evaluation of Tablets Using DrumStick Polysaccharide as an Excipient	Dr. Mr. S. B. Waikar

4.2 Pharmaceutical Quality Assurance (CGBS) 2017-18

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	KALYANI THOMBRE	Development and Validation of Stability indicating Assay Method for the Estimation of Sofosbuvir in Pharmaceutical Dosage Form.	Dr. S. R. Walde
2	SHRADDHA TAJNE	To study the Anthelmintic Activity of Isopelletrine Alkaloid Present in Punica Grantum & Formulate Pharmaceutical Preparation.	Dr. S. R. Walde
3	PRERNA PARDHI	Preparation and Characterization of Multi Vitamines Microemulsion Based on Pseudo Ternary Phase Diagram.	Dr. S. R. Walde
4	ASHWINI NAGPUR	Formulation and Evaluation of Immediate Release Sprinkle Capsule.	Dr. S. R. Walde
5	AMANDEEPKAUR DHILLON	Development and Validation of Analytical Methods for the Estimation of Amisulpride.	Dr. S. P. Padmane

4.3 Pharmaceutical chemistry (CGBS) 2017-18

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	NIDHI S. JAISWAL	Synthesis and Evaluation of Ionic Liquids of Some Drug Molecules.	Dr. N.P.Sapkal
2	PAYAL M.	Isolation and Evaluation of the Bioactives from psidium	Dr.


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	SHAHU	guajava leaves for healing of mouth ulcer.	N.P.Sapkal
3.	TRUPTI R. WAGHMARE	Stability Implication of Drug Excipients Interaction.	Dr. N.P.Sapkal

4.4 Under graduate projects (CGBS) 2017-18

Sr. No.	Name of Student	Title of Project	Name of Supervisor
01	ANKITA GANGARAM MADRANI	Synthesis of 1, 3, 4, -thiadiazole derivatives.	Mr. G. A. Gurunani
02	ANKITA KRISHNADEO SONI	Application of Pharmacogenomics in Pharmacy: A review article	Mrs. A. N. Mungle
03	ANKITA PURUSHOTTAMRAO ROKDE	Evaluation of fixed oil from the fruits of <i>Celastrus Paniculatus</i>	Dr. S. B. Waikar
04	ANUJA SATISHRAO DEULKAR	Design & evaluation of lipid base formulation of essential oil	Mr. A.H Deshpande
05	ASAWARI DILIP NAVGHARE	Formulation and Evaluation of Ondansetron Orally Disintegrating Strips	Mr. A.H. Deshpande
06	ASHWINI AWADHUT KHODATKAR	Review on emergency Medical Treatment.	Mr. S. R. Yende
07	BHAVIKA SURESH MUKHI	A study on prevalence, risk factors and treatment for varicose veins in Nagpur region.	Mr. V.B. Pande
08	DIMPAL GANGADHAR MOTGHARE	Review of targeted delivery system for acne cream cosmetic formulation	Dr. A. M. Ittadwar
09	FARHEEN BANO ABDUL HALEEM KHAN	Placebo therapy: The emerging newer therapy.	Dr. S. P. Padmane
10	HARMANDEEP RASHPAL MANTRI	A Review on ethno medical studies on <i>Leonotis nepetifolia</i> family <i>Lamiaceae</i>	Dr. S. K. Tilloo
11	HARSHALI NIRANJAN SHENDE	Adhesive For Pharmaceutical Formulations	Mr. K.B. Bhelkar
12	HEMLATA DNYANESHWAR	Formulation & Evaluation of cream containing extract of <i>Tephrosia purpurea</i>	Mr. T.M. Rasala

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	RAROKAR		
13	JAYSHREE SHRIRAM SHAMKULE	Beneficial effects of green tea: Review	Dr. S. K. Arora
14	KALYANI VIVEK BHANDARKAR	Formulation & Evaluation of gel containing extract of <i>Curcuma longa Linn.</i>	Dr. S. B. Waikar
15	KANCHAN JAY DHOLE	To Formulate & Evaluate fenugreek anti dandruff lotion	Mr. K. S. Moharir
16	KOMAL SUNIL GUPTA	Formulation and Evaluation of Herbal Hand Wash	Dr. M.M. Bodhankar
17	LUKESHA VIJAYJI ZADE	Formulation and Evaluation of lotion bar	Dr. M.M. Bodhankar
18	MAYURI BAMBADWAR	Pharmacognostic studies on of <i>Chrozophora prostata Dalz</i>	Dr. S. B. Waikar
19	MEGHATAI BALAKDAS BHAVSAGAR	A literature survey of Pharmacological activities of Thespesia Populnea family <i>Malvaceae.</i>	Dr. S.K. Tiloo
20	MOHINI VILASRAO WARJURKAR	Review of literature on radiation effect of mobiles on life	Mrs. M.K. Bhurchandi
21	MONIKA SHRIRAM KHERADE	Involvement Of Nuclear Factor Kappa B In Inflammatory Disorders: Review	Dr. S. K. Arora
22	MRUNALI KISHORRAO CHOUDHARY	Review on Pathophysiology & treatment of nail psoriasis	Dr. V. A. Killor
23	NILAM NASHIK KHOBRADE	Formulation of Gel containing Extract of Rubia Cordifolia (Manjistha)	Dr. S. B. Waikar
24	NISHIGANDHA SANJAY PAWAR	Organic chemical waste management in chemistry laboratory by effective disposal for better environment & society	Mr. G. K. Lohiya
25	POONAM DIWAKAR NAGRALE	Study on prescribing pattern of recent antidiabetic drugs	Mr. D. P. Dharkar
26	PRIYA DEEPAK DALWANI	Review on alginate Nano particles used as anti-tubercular drug	Mrs. A. N. Mungle


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27	PRIYA HEMRAJ PAUNIKAR	A review on cellulose nanocryocrystals & its derivatives in pharmaceuticals & medical field.	Mr. K. S. Moharir
28	PRIYA VIJAYKUMAR VASWANI	Study on common hazards of steroids used in clinical therapy	Mr. D. P. Dharkar
29	RAVLEEN KAUR HARPAL SUNGH SANDHU	Electromagnetic waves influence of mobile radiation on human body & life	Mrs. M.K. Bhurchandi
30	RENUKA RAJSINGH CHAUDHARY	Review on anti-cancer agents from plant sources	Dr. S. B. Waikar
31	RINA ASHOK BAWANKULE	Formulation & evaluation of floor cleaning solution	Mr. K. S. Moharir
32	SMITA PATIL	Review article on disorder of septicemia	Mrs. A. N. Mungle
33	SHABNAM FIRDOUS SHAKEEL AHMAD	Micro-synthesis: Effective tool for organic chemistry practicals.	Mr. G. K. Lohiya
34	SHITAL ARUNRAO AGASHE	Survey on obesity	Ms. P. G. Gondane
35	SHIVANI DILIP HELCHEL	Review on Ebola virus	Mr. S. R. Yende
36	SHRUTIKA SANJAY CHANDANKHEDE	Recent advancements in herbal drugs used in skin disorder	Mr. D. P. Dharkar
37	SONAKSHI RABINDRA SINGH	A review on screening models for anti-psoriatic activity	Mr. V.B. Pande
38	SUPRIYA KHIVARAJ BHAGAT	Drumstick polysaccharides as multifunctional excipients : A review	Mr. T.M. Rasala
39	TARANPREET KAUR JAGJIT SINGH BAMRAH	Foam granulation v/s wet granulation: The effect of granulation techniques on granule size distribution	Mr. T.M. Rasala
40	UMMIYAH ABDUL HABIB -	Isolation and Evaluation of fixed oil from the fruits of <i>Acacia catechu</i> (khadir)	Dr. S. B. Waikar
41	YOGITA MUKESH JAIN	Neuroscience help to improve aromatherapy: Review	Mrs. B.A. Jacob
42	AKSHAY SUMEDH	To Prepare and Evaluate hair removal soap	Mr. A. H.


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	KAMDE		Despande
43	AMIT ARUNRAO NAXINE	A Review on Pro-drug concept	Mrs. B. A. Jacob
44	AMMARUDDIN ZULFIQUARUDDIN SYED	A Review Aromatherapy	Mrs. B. A. Jacob
45	HARSHPAL SINGH MANJEET SINGH WAHI	Clean & sterile bed-sheet & utensils in hospitals: Need of hour	Mr. G. K. Lohiya
46	JASH UMESH PARIKH	Comparison of specification of some drugs in context of the IR monograph which are official in IP, BP, USP.	Dr. S. R. Walde
47	JUNAIDWASI IRFAN AHMAD ANSARI	Pharmaceutical uses of seaweeds	Dr. M. M. Bodhankar
48	KRISHNAKANT RAMESH CHHANGANI	Nanoparticles used in treatment of diabetics mellitus A Review.	Mr. S. R. Manapure
49	KUNDAN JAIISHWAR SINGH	Bioactive peptides from marine origin	Dr. M. M. Bodhankar
50	MAYUR RAVISHANKAR PATIL	TLC profile of <i>Enicostemma littorale</i> .	Mr. S. R. Manapure
51	MOHD MUJAHID ANSARI MOHD SAYEED ANSARI	Formulation, Development & Evaluation of in-situ buccal gel using guava leaf extract	Dr. N. P. Sapkal
52	NARESH GURMUKHDAS KHILWANI	A Review on Evaluation models for Anthelmintic activity	Mr. V.B. Pande
53	NAVEEN RAJENDRA KAWADKAR	Drug interaction between prescription drugs & street drugs	Mr. G. A. Gurnani
54	NIHAL SUNIL LANDGE	Formulation and evaluation of muco-adhesive buccal tablet from guava leaves extract to treat mouth ulcer	Dr. N.P. Sapkal
55	PARAS PRASHANT KOTHARI	Survey on swine flu	Ms. P. G. Gondane
56	PAVAN NAGESH WASULE	Evidence based Phyto-pharmacological activities of <i>Anisomelles indica</i> family	Dr. S. K. Tiloo

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		Lamiaceae A Review.	
57	PRANAV PRAMOD KULKARNI	Irrational drug combinations: An excuse of better patient compliance	Dr. S.P. Padmane
58	PRATEEK MANOHAR NAOLE	Antibiotic resistance: A great global challenge	Dr. S.P. Padmane
59	PRAVIN PANDURANG JOSHI	Literature survey on influence of mobile waves on rats	Mrs. M.K. Bhurchandi
60	RAHUL RAJKUMAR LANGDE	Analgesic activity of Padina Tetrastromatica.	Mr. S.R. Yende
61	ROSHAN A. GANGAN	Herbal health for helnerthiasis.	Dr. S.K. Arora
62	SAINATH BALAJI LOKEWAR	A review on Phytochemical & pharmacological activities of curculigo orchoids, Family- Amaryllidaceae	Dr. S.K. Tiloo
63	SAMEER AKHADU HEDA00	Advantages of natural diuretics over synthetic diuretics as a part of treatment	Dr. M. M. Bodhankar
64	SANJAY PRAKASH JAIN	Evidence based phytochemical and pharmacology activities of Leucas aspera Family-Labiatae A review	Dr. S.K. Tiloo
65	SATYAM YADORAO HATWAR	Survey on dengue disease	Ms. P.P. Gondane
66	SHABBIR ABDUL HUSAIN ZARIWALA	Active Pharmaceutical Ingredients In Surgical Dressings: A Review	Mr. K.B. Bhelkar
67	SHANTANU KURZADKAR	Comparison of sales of different healthcare systems in Nagpur region	Dr. A. M. Itadwar
68	SHUBHAM HARISH LACHHWANI	Animal Models for Evaluation of Topical Formulation	Mr. K.B. Bhelkar
69	SHUBHAM NILKANTH KALBANDE	A review on therapeutics potential of Bioactives in the plant <i>Colebrookea oppositifolia</i> family <i>Lamiaceae</i>	Dr. S.K. Tiloo
70	SHUBHAM SHIVPUJAN GUPTA	To check the label claim of tablet in combination by simultaneous estimation method	Mr. G.A. Gurnani


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71	SNEHAL JAIPRAKASH SHRIVASTAV	Role of nanotechnology in anticancer drug A Review.	Mr. S.R. Manapure
72	TARUN KISHANCHAND NATHANI	Comparison of specification of some drugs in context of their Various quality parameter which are official in I.P, BP & USP	Dr. S. R. Walde

5. Projects undertaken by students in year 2016-17

5.1 Pharmaceutics (CGBS) 2016-17

Sr. No	Name of Student	Thesis Title	Name of Guide
1	Amrapali Dongre	Formulation and Evaluation of Transdermal Formulation for Treatment of Oral Infections.	Mr. A. H. Deshpande
2	Ashutosh Khadtdkar	Preparation and Evaluation of Taste Mask AIP'S.	Dr. Mrs. V. A. Kilor
3	Ashish Zanwar	Development and Evaluation of Spray Dried Chitosan-Gelatin Composite as Excipient for sustain release.	Dr. Mrs. Vinita.V. Kale
4	Archana Pal	Design and Development of Orally Disintegrating Film containing Probiotics.	Dr. Mrs. V. A. Kilor
5	Monika Ramgadiya	Formulation of Acid/Alkali Cleaner and its Application for Cleaning Validation of Semisolid and Powder Formulation.	Dr. Mrs. Vinita.V. Kale
6	Neha Makde	Formulation and Evaluation of Soft Rupturable Beads containing Eucalyptus Oil.	Dr. A. M. Itadwar
7	Charulata Chetule	"Development and Evaluation of Formulation containing Herbal And/or Silver Nanoparticles	Dr. Mrs. Vinita.V. Kale

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		suitable for Vaginal Health.	
8	Pooja Hemane	Formulation and Evaluation of Antiseptic Film forming Liquid for Skin Injury.	Dr. Mrs. V. A. Kilor
9	Pooja Yadav	Formulation and Evaluation of Soft Chewable Lozenges of Caffeine.	Dr. A. M. Ittadwar
10	Pooja Gour	Comparative Evaluation of Some Penetration of Enhancers from Natural origin on Transdermal delivery of Flavonoid Rich Fraction of Curcum Longa, Family Zingiberaceae.	Mr. A. H. Deshpande

5.2 Pharmaceutical Quality Assurance (CGBS) 2016-17

Sr. No.	Name of Student	Thesis Title	Name of Guide
1	Aditi Mool	Formulation and Development of Oral Tablets of Chlorogenic Acid.	Dr. S.R. Walde
2	Anmol Kalantri	Development and Validation of Stability Indicating Assay Method for the Estimation of Canagliflozin in Pharmaceutical Dosage Form.	Mr. S. P. Padmane
3	Mansi Aglawe	Formulation and Evaluation of Modified release tablet	Mr. S. P. Padmane
4	Pornima Kodape	Simultaneous Chromatographic Analysis Of Selected Polyphenols and Polyphenolic Acids Using HPLC-DAD Techniques; Application of Hypercarb (100% PGC)	Dr. S. R. Walde
5	Priti Wanjari	An Investigation Of Antioxidant Potency Of Drugs And Natural Products Against In-Vitro Developed Free Radical Reactions	Dr. S. R. Walde
6	Priyanka Bakane	Development of Novel Analytical Techniques for the Separation of Stereo Isomers of Gossypol and its Analogues Using Chiral HPLC	Mr. S. P. Padmane
7	Shraddha Tajne	Simultaneous Chromatographic Analysis of Selected Antidepressants Using HPLC-DAD Techniques; Application of Hypercarb (100% PGC)	Dr. S. R. Walde


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5.3 Under graduate projects (CGBS) 2016-17

Sr. No.	Name of Student	Title of Project	Name of Supervisor
01	AAYUSHREE RAMESH RAUT	PHYTOCHEMICAL & THERAPEUTIC USES OF GENUS HELIOTROPIUM & TRICHODESMA FROM NAGPUR DIST. : A REVIEW	Dr. S. K. Tiloo
02	ANKITA ASHOK SOMKUWAR	ANALYSIS OF SOME MARKETED EDIBLE BUTTERS	Mr. D. P. Dharkar
03	ARCHNA BALCHGAND PATRE	FORMULATION OF FACE PACK CONTAINING EXTRACT OF RUBIA CORDIFOLIA (MANJISHTA)	Dr. S. B. Waikar
04	ASMITA MANOHAR BHAKARE	PHARMACEUTICAL APPLICATION OF NEAR INFRARED SPECTROSCOPY	Dr. N. P. Sapkal
05	AYUSHI GHANSHYAM SHAHU	STEM CELL THERAPY – A REVIEW	Mr. K. S. Moharir
06	DEEPALI NAMDEO TAPRE	FORMULATION OF ALOE VERA GEL AND COMPARE WITH MARKETED PREPARATION.	Mr. G.K.Lohiya
07	DEEPTI OMPRAKASH BHAGCHANDANI	LITERATURE SURVEY ON ORPHAN DRUGS	Mrs. M.K.Bhurchandani
08	DIPIKA VINAYAK RATHOD	ISOLATION AND EVALUATION OF FIXED OIL FROM LEAVES OF BRIDEIA RETUSA	Dr. S. B. Waikar
09	IRSHANA PADMAKAR UKEY	METHODS TO DETECT ANTICANCER ACTIVITY OF ACTIVE PHARMACEUTICAL INGREDIENTS – PAST, PRESENT & FUTURE	Mr. A.H. Deshpande
10	KAJOL VINOD GUPTA	ROLE OF DASAMOLARISHTA AND ASTAVARGA PLANTS IN IMMUNOMODULATION : A REVIEW	Mrs. A. N. Mungle
11	KALYANI SATISH KALE	EVALUATION OF ANTIMICROBIAL ACTIVITY OF FLAVONOID RICH FRACTION OF SPHAERANTHUS INDICUS	Mr. G. A. Gurunani


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12	MAHIMA PRALHAD KALE	TO EVALUATE MINIMUM INHIBITORY CONCENTRATION OF ANY TWO ANTIBIOTICS (TWO MOST IMPORTANT ANTIBIOTICS RECENTLY IN THE MARKET)	Mrs. B. A. Jacob
13	MONALI WAMANRAO FUKAT	DESIGNING OF DISINTEGRATION TEST FOR ORAL THIN FILMS	Dr. N. P. Sapkal
14	NAJISH KAUSAR YUNUS QURESHI	HERBAL WEALTH FOR DIABETES MELLITUS : A REVIEW	Dr. S. K. Arora
15	NEHA MAHENDRA MATE	COMPARATIVE EVALUATION OF SOME NATURAL EMOLLIENT	Mr. A. H.Deshpande
16	NIDHI RAMESH SAHU	LINE OF TREATMENT & MEDICATION FOR POST MANAGEMENT OF STROKE-“ STROKE IN THE YOUNG AND ADULT”	Dr. V.V. Kale
17	NIKHAT ZAHEER AHMAD	EVALUATION OF SUSPENDING PROPERTIES OF DRUM STICK POLYSACCHARIDE FROM MORINGA PTERYGOSPERMA	Dr. S. B. Waikar
18	POONAM RAMBHAU PATIL	ISOLATION AND EVALUATION OF FIXED OIL FORM THE SEEDS OF CASSIA AURICULATA	Dr. S. B. Waikar
19	PRANITA RAMCHANDRA KALE	EVIDENCE BASED ETHANOPHARMACOLOGICAL USES OF EVOLVULUS ALSINAIDES – A REVIEW	Dr. S. K. Tiloo
20	PRIYANKA RAJUJI WADHAI	REVIEW ON IRON SUPPLEMENT CONCERNING ITS EFFICACY AND IMPLICATION	Mr. S. R. Manapure
21	PRIYANKA SUBHASH BOBDE	ORANGE BOOK AND GENERIC DRUGS	Dr. M.M. Bodhankar
22	PRIYANKA TULSHIRAM BHAI SARE	FORMULATION OF A COMPOSITION DESIGN FOR HAIR FALL TREATMENT	Mr. G.K.Lohiya
23	RAKHI MAHENDRA SARPATE	STUDY ON BIOWASTE (AGROWASTE) AS POTENTIAL SOURCE OF THERAPEUTICS	Mrs. S. A.Ubgade


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24	ROHINI MORESHWAR RAKSHAK	HERBAL THERAPY IN SKIN DISEASES	Mr. S. R.Yende
25	SHALAKHA GOPICHAND SAHARE	DESIGNING OF PROTOCOLS FOR TASTE EVALUATION STUDIES OF PHARMACEUTICAL FORMULATIONS	Dr. N. P. Sapkal
26	SHITAL RAMKRUSHNA NIKHAR	STUDY ON NATURAL INGREDIENT OTHER THAN NICOTINE AS AN ALTERNATIVE TO NICOTINE REPLACEMENT THERAPY	Mrs. S. A.Ubgade
27	SHIVANI UMESH DANI	HYDROGEL AND ITS APPLICATION IN PHARMACEUTICALS	Mr. K.B. Bhelkar
28	SHRADDHA RAMSWAROOP SHAHU	INDUCTION MODELS FOR HEPATOTOXICITY	Mr. V.B. Pande
29	SHRUTI SHYAM MOTWANI	RECENT GROWTH OF NUTRACEUTICALS IN REGIONAL MARKET	Dr. S.R. Walde
30	SHRUTIKA SUNIL JAIN	PHYTOCHEMICAL SCREENING OF SOME MEMBERS OF GENUS BLUMEA FAMILY ASTERACEAE – A REVIEW	Dr. S. K. Tiloo
31	SIMRAN RAJENDRA PAL	COLOPHONY AS FILM FORMING AGENT IN FORMULATION AND DEVELOPMENTS OF FILM	Mr. T.M.Rasala
32	SIMRAN RATAN KUKREJA	FORMULATION OF LIPOSOMES	Dr. A. M. Ittadwar
33	SNEHA GANESH BORKAR	EMERGING THERAPIES OF DENGUE	Mrs. M. K. Bhurchandi
34	SNEHA OMPRAKASH RAUT	RECENT REGULATORY AMENDMENTS IN SCHEDULE Y – IMPLICATION ON CLINICAL TRIAL	Dr. V. A. Kilor
35	SNEHA RAMESH DUPARE	TARGETED DRUG DELIVERY SYSTEM IN THE TREATMENT OF TUBERCULOSIS	Dr. S. P. Padmane
36	SNEHA SHANKARRAO HEDAU	HERBAL BIOACTIVES AS ANTIMYCOBACTERIUM AGENTS	Dr. S. P. Padmane
37	SUHASINI SUKHDEV	TO CHECK MICROBIAL ASSAY ACTIVITY OF	Mrs. B. A. Jacob


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38	TRUSHNA NARENDRA JAMGADE	AN AYURVEDIC OUTLOOK TO HEAL CANCER : A REVIEW	Mrs. A. N. Mungle
39	ABHISHEKH BRIJESH SHARMA	PHYTOCHEMICAL SCREENING OF SOME MEMBERS OF GENUS CYPERUS, FAMILY CYPERACEAE: A REVIEW	Dr. S. K. Tiloo
40	AKSHAYKUMAR SANJAY PISE	DISADVANTAGES OF ANT DIABETIC TREATMENT	Mr. S. R. Yende
41	ASHISH PANDHARINATH TEMBHURDE	THE ROLE OF THE PARTICLE SIZE IN FORMULATION DEVELOPMENT	Mr. T.M.Rasala
42	ATHARVA RAJENDRA BHIDE	PHYTOCHEMICAL INVESTIGATION OF HYDROALCOHOLIC EXTRACT OF COMMELINA SPECIES	Mr. V.B. Pande
43	HIMANSHU SANJEEV SHAHU	A SYSTEMATIC APPROACH IN THE USE OF NATURAL, SYNTHETIC AND SEMI-SYNTHETIC AGENTS IN MULTI- DRUG RESISTANT TUBERCULOSIS	Dr. S. P. Padmane
44	MANJEETSINGH KULWANTSINGH RAMGADIYA	SOLUBILITY ENHANCEMENT OF POORLY SOLUBLE OF LOXACIN USING NATURAL SURFACTANT FROM ACACIA CONCINNA	Dr. S. B. Waikar
45	MANOJ VITHOBA DHOKE	COMPUTER APPLICATION IN PHARMACY AND BIOINFORMATICS	Dr. M.M. Bodhankar
46	MOHAMMAD ATHAR MOHAMMAD IQBAL ANSARI	INVESTIGATION OF COMPLIANCE OF MARKETED FORMULATION TO GUIDELINES FOR BREAK LINE / SCORED TABLET	Dr. N. P. Sapkal
47	MUJAHID UL KHAIR ABUL HASAN ZAHID	STUDENTS PRESPECTIVE ON ALCOHOL CONSUMPTION : SURVEY	Ms. P.G. Gondane
48	NIKHIL AMAR CHAWLA	PHYTOCHEMICAL AND PHARMACOLOGICAL USES OF ELPHANTPOUS SCABER – A	Dr. S. K. Tiloo

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49	RAHUL GHANSHYAMDAS KRIPLANI	EVALUATION METHODS OF PHARMACEUTICAL BANDAGES	Mr. K.B. Bhelkar
50	RAJAT SURESH PAHWA	ANALYSIS OF DRUG PRESCRIBING PATTERNS FOR INFECTIOUS DISEASES IN NAGPUR CITY	Dr. N. P. Sapkal
51	SACHIN MAHESH ASNANI	SOLUBILITY ENHANCEMENT OF POORLY SOLUBLE OFLOXACIN DRUG USING NATURAL SURFACTANT	Mr. G. A. Gurunani
52	SATNAMSINGH PARVINDERSINGH KHOKHAR	ISOLATION AND EVALUATION OF ANTHELMINTIC ACTIVITY OF FLAVONOID RICH FRACTION OF RHIZOMES OF CURCUMA LONGO	Dr. S. B. Waikar
53	SATYAJEET GAUTAM SANKADE	REVIEW ON FILARIASIS	Mr. S. R. Manapure
54	SIMRANPREET GURPREET SINGH BAJAJ	EVALUATION OF SOME MARKETED PREPARATIONS OF SOYABEAN OIL	Mr. D. P. Dharkar
55	SWAPNIL ARUNRAO DESHMUKH	COMPARATIVE STUDY BETWEEN CONVENTIONAL SYNTHESIS AND MICROWAVE ASSISTED SYNTHESIS	Mr. K. S. Moharir
56	TUSHAR SURESH PATHAK	STUDENT'S PERSPECTIVE ON JUNK FOOD : SURVEY	Ms. P.G Gondane
57	VAISHNAV VIJAY BORKAR	SOFT SKILLS AND PROFESSIONAL COMMUNICATION IN PHARMACY	Dr. M.M. Bodhankar
58	ZAHAN AKBAR PANJWANI	HERBAL WEALTH FOR RHEUMATOID ARTHRITIS : A REVIEW	Dr. S. K. Arora


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6. Participative Learning and Problem solving methodology

Flipped classroom and TPS activity are used by faculties to encourage participative learning.

Students are taking part in content creation and content delivery:

Representative videos link:

6.1 Participative Learning

6.1.1 Video Content creation:

1. <https://youtu.be/fLeRQXbaXPc>
2. <https://youtu.be/6MnuqjoC83A>
3. <https://youtu.be/dlFWxaZPA2Y>
4. <https://youtu.be/HUcSYbGKTHc>
5. <https://youtu.be/tYAZ4xZcUg8>
6. <https://youtu.be/QBJmC8y-XwM>
7. <https://youtu.be/rVPwePI9oIQ>
8. https://youtu.be/M600_rXPhUE
9. <https://youtu.be/kdEUXf6Aji8>
10. https://youtu.be/Ast3ZP_91xQ
11. <https://youtu.be/bv26WxRHxGs>
12. <https://youtu.be/GTuxfCjEzRA>


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6.1.2 Activities Learning by doing:

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Physical Pharmaceutics I (20-21)
III semester

Return 100 points

All students

Sort by status

Handed in

Student Name	Submission Status
Afsha Naaz	___/100
Akanksha Madavi	___/100
Alkaar Raza "Done sir!!"	___/100 Done late
Alwin Kalambe	___/100 Done late
Arfiya Anam	___/100
asema razi "Group members: Arpan Gupta..."	___/100 Done late
Ash Mohaneni	___/100

Submission Grid:

- Arfiya Anam: food packaging.pdf Handed in
- asema razi: Concept paper.docx Handed in late
- Ash Mohaneni: No attachments Handed in late
- Ayesha Ansari: No attachments Handed in
- Ayush Jain: GURUNANAK COLLEG... Handed in
- Bhavesh Rughwani: No attachments Handed in
- Chaitali Lonare: No attachments Handed in
- Darshan Khapekar: GURUNANAK COLLEG... Handed in
- Divya Jethani: No attachments Handed in
- Gyan Jhambia: No attachments Handed in
- kalyani Itankar: No attachments Handed in
- Komal Mendhe: No attachments Handed in

Taskbar: Statue-of-Unity.jpg, main-qimg-7f93cd...jpg, Feed back form Ce...zip, WhatsApp Image...jpeg, Show all

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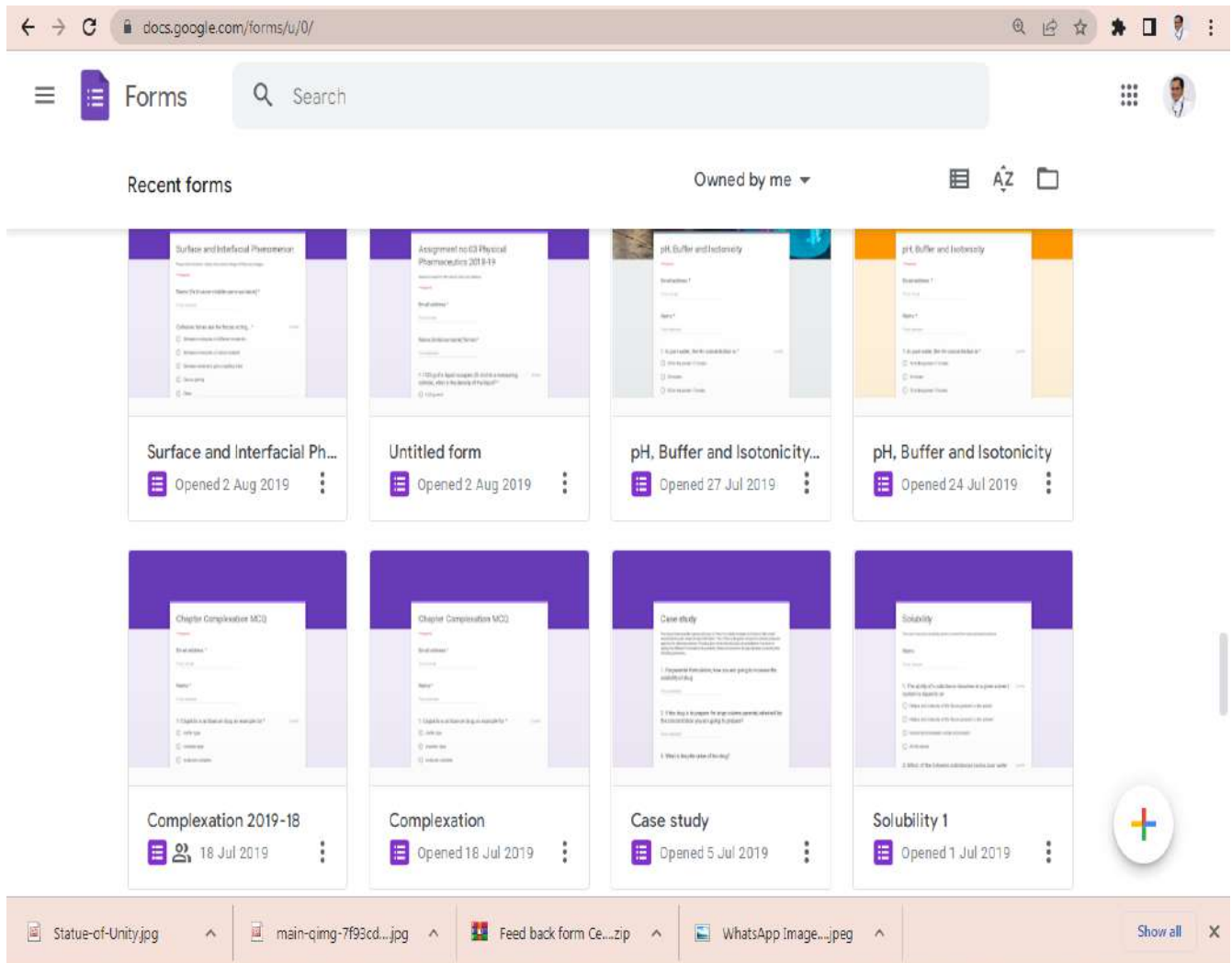
Web Address: www.gncp.edu.in

6.2 Problem solving methodologies:

To develop problem solving approach assignments (different from regular theory assignment) are given to students (representative copy attached)

6.2.1: Google forms test:

Google form test conducted much before lockdown to prepare students for MCQ and Tests:



Signature

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The screenshot shows the Google Forms interface. At the top, there is a navigation bar with the 'Forms' logo and a search bar. Below this, there are filters for 'Recent forms' and 'Owned by me'. The main area displays a grid of form thumbnails. The first row contains four forms: 'B.Pharm I semester Students Information', 'B.Pharm II semester (Direct admitted) Students Information', 'Assignment no 02', and 'MCQ on evaporation, crystallization and Drying'. The second row contains one form: 'Untitled form'. At the bottom of the screenshot, there is a taskbar with several open files: 'Statue-of-Unity.jpg', 'main-qimg-7f93cd...jpg', 'Feed back form Ce...zip', and 'WhatsApp Image...jpg'. A 'Show all' button is visible on the right side of the taskbar.

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Gurunanak College of Pharmacy, Nagpur
 Mentor/ Instructor name: Dr. Govind K. Lohiya
 19th June 2021
Instructor Resources

6.3. Think-Pair-Create-Share Activity constructor

Resource – <i>Think-Pair-Create-Share Activity constructor</i>	June 2021
--	------------------

Domain: Pharmacy

Topic: Emulsion

Target: B. Pharm IV Semester Students

Think phase:

<ol style="list-style-type: none"> 1. What are the different factors to be considered during emulsion formulation? 2. In home do we have some edible emulsion formulation available (Like mayonnaise)? 3. Can we formulate this (home available emulsion formulation) with modification like some flavor addition and some colour change? YES/NO 4. What is the need of market? Can we fulfill the need by doing modification existing formulation? YES/NO 	Duration 12 hrs Today night up to 10:00pm
Students to think and search about it and write an individual answer.	
Deliverable from this Phase: Students will know about different emulsion concept and parameters to be consider for emulsion formulation, problem analysis.	

Pair phase:

By today evening after 10pm individual student can post the answer in our college whatsapp group about home available edible emulsion formulation. Whether it is possible to formulate this at home or not? Those having similar formulation answer and suitability can be included in one group	Duration 10 min only (to post the answers in group)
Make a group of 5-6 students to discuss about the further practical consideration part.	
Students need to do: Pairs up with classmate, check other person answers and discuss your answers with other person in your group and note down it in individual notebook.	
Deliverable from this Phase: Students can link between formulation consideration about emulsion and stability parameters.	

Create phase:

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<p>Those groups having YES answer in above think phase Q. 3 can now design a concept paper. (group activity divide your task as per suitability)</p> <p>Concept paper must include:</p> <ol style="list-style-type: none"> 1. Title of your project (Must be like a brand name which you would like to give your product) 2. Requirements: 3. Procurement: (Vendor qualification) 4. Detailed procedure and what modification you are going to make with reason. 5. Prepare check list before experimental setup. 6. Start the preparation step by step and record IPQC (in process quality control) if any applicable at home. (not necessary to use sophisticated lab instrument whatever available at home you can use) 7. Like optical measurement with I phone having zoom gadget can be used for texture and globule size analysis. 8. Fill into final container and prepare a label comparable to already available marketed formulation. 	<p>Duration 12 hrs Sunday morning 9:00 am to 9:00pm</p>
<p>Students can link between theoretical and practical aspect, market search, product design and even some marketing aspect.</p>	

Share phase:

<p>Be ready with presentation and one presenter from your group. Consider this as opportunity and you are going to present your work in front of investor (who are willing to invest in this project and only one project will be selected from entire students groups of our class). Present your work only in 3 minute (no extra second will be provided above three minute). Presentation include Title, Group member, Mentor name, Procedure, Modification, advantages or reason to modify existing formulation, Proposed retail price (MRP) and cost to company. Also give the profit margin per 100 unit sell.</p>	<p>Duration :Tuesday morning (up to 9:10 am) We will go with presentation in our lecture timing</p>
<p>Deliverable from this Phase: This is the most critical phase at it deals with investor, presentation skills, market search and market potential.</p>	

Activity Output:

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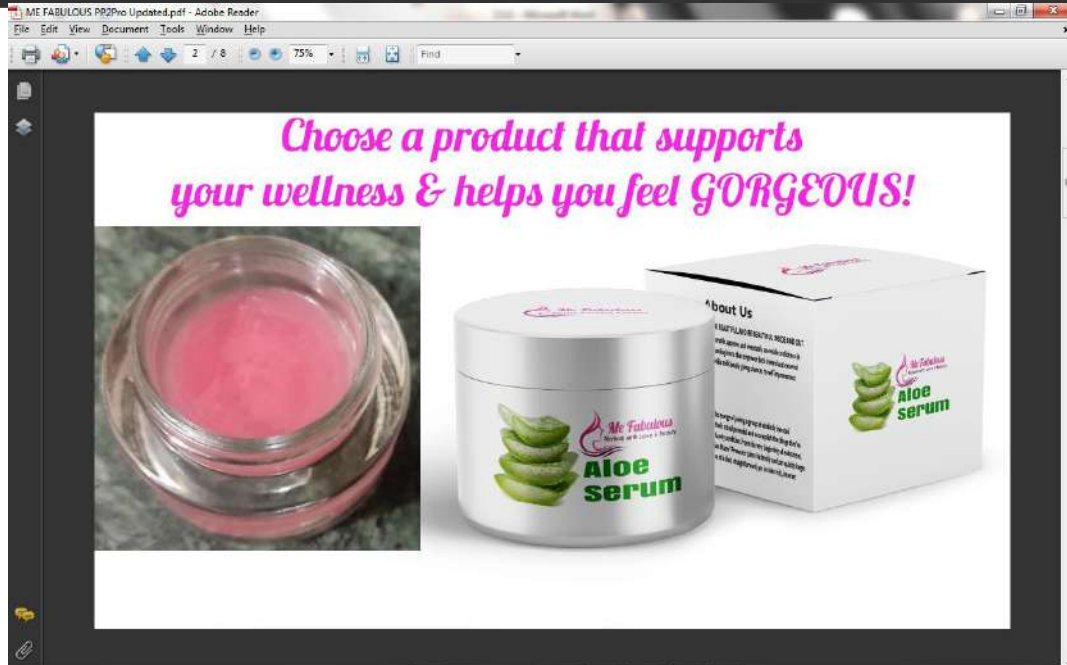
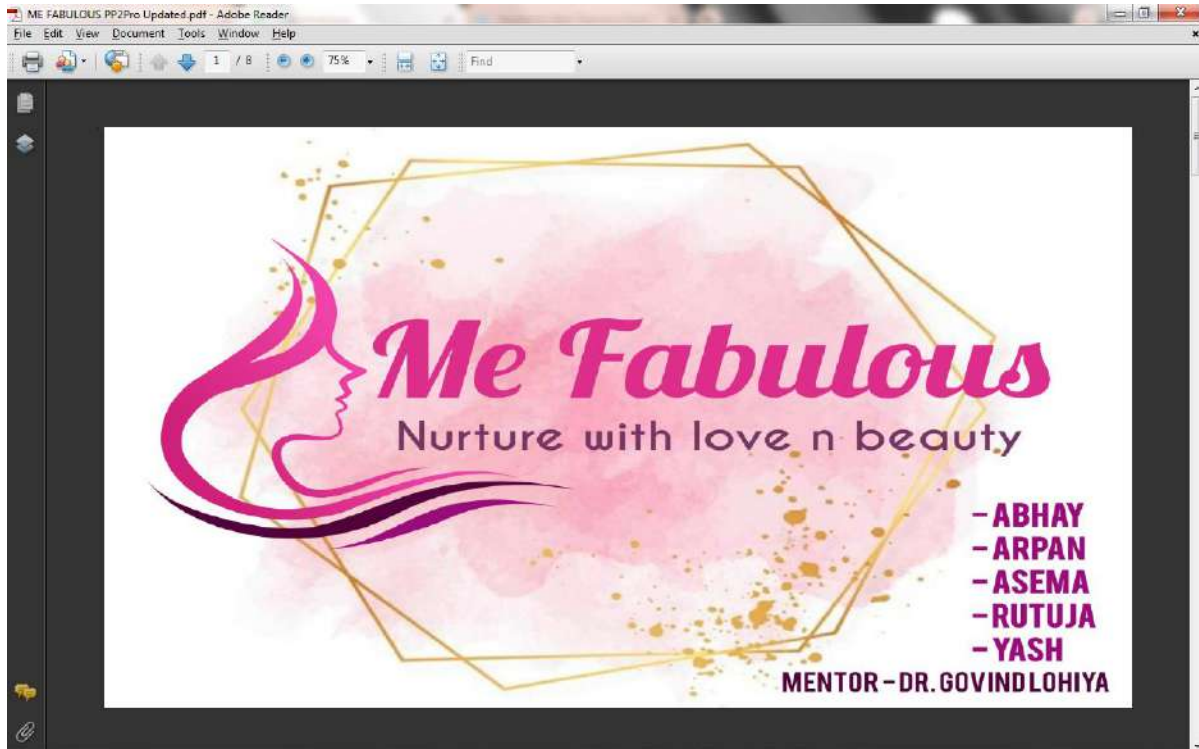


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FOR EACH 30ML :

INGREDIENTS	QUANTITY	BENEFITS
1. Aloe vera gel	19 ml	Cooling properties, anti-inflammatory properties, provides moisture, heals and reduces blemishes.
2. Glycerine	4ml	Humectant and a best natural preservative.
3. Almond oil	3ml	Rich in vitamin E.
4. Tea tree oil	1ml	Prevents skin infections, acne.
5. Rose water	2ml	Anti-bacterial properties and gives a sweet natural odour.
6. Beet root juice	1ml	Lightens the skin, rich in vitamins and gives a beautiful colour and texture to the product .

DESCRIPTION

- Aloe serum, with the power of aloe vera and tea tree oil, helps you achieve a radiant glow, reduce acne and gives immense nourishment to the face.
- The face serum is free from harmful chemicals such as parabens, silicones, etc. It is a pure natural product prepared with beauty of nature.

How to use :

- Take a little amount of serum on your fingertip.
- Gently apply all over the face and neck and massage in a upward circular motion until completely absorbed.
- For the best results, apply twice a day.

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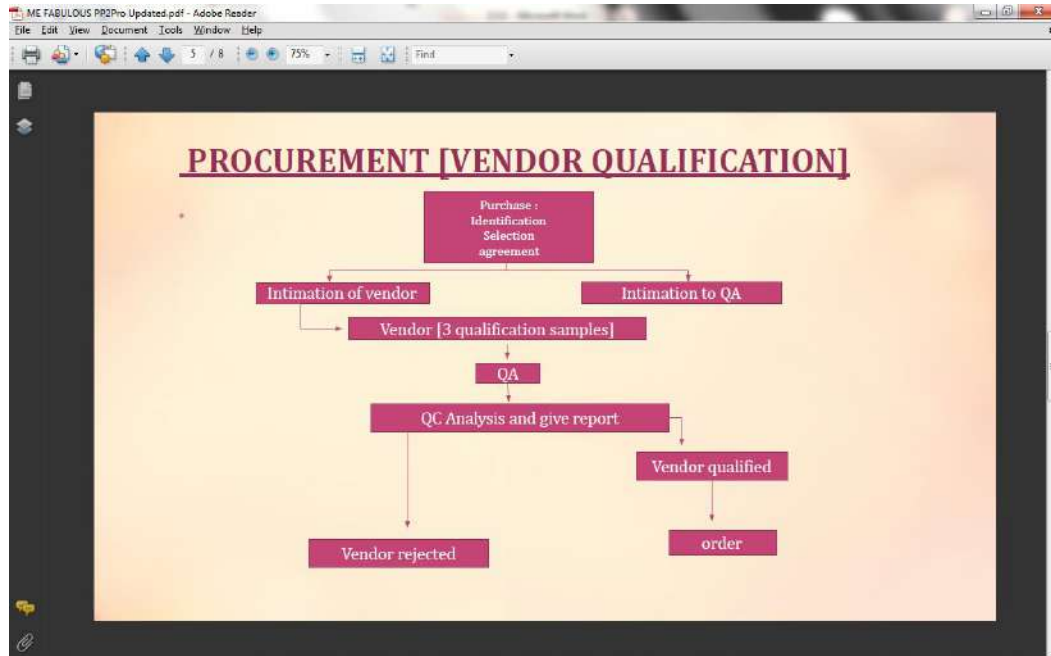


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<u>PROCEDURE</u>	<u>MODIFICATION</u>
<p>1. Take the below ingredients</p> <p>ALOEVERA GEL [19ML] GLYCERINE [4ML] ALMOND OIL [3ML] ROSE WATER [2ML] TEA TREE OIL [1ML] BEET ROOT JUICE [1ML]</p> <p>2. In a bowl mix all the above ingredient and with the help of grinder machine prepare an emulsion.</p> <p>3. Transfer it into a container.</p>	<ul style="list-style-type: none">• What is modified?• A standard natural aloe vera gel is modified into an aloe serum [emulsion].• Reason : [advantages]• To enhance its properties• Adding almond oil make it rich in vitamin E• Adding rose water and tea tree oil make it anti-bacterial, help in preventing skin infection and also give odour to the product.• Adding beet root juice helps lighten up the skin and gives a nice texture and colour to the product.



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ME FABULOUS PP2Pro Updated.pdf - Adobe Reader

File Edit View Document Tools Window Help

7 / 8 75% Find

COST TO THE COMPANY

FOR EACH 30 ML:			RETAIL PRICE:	
Ingredients	Qty	Cost	Total Manufacturing Cost	76.02₹ 51.02% (manufacturing cost - 72.27₹ + labour, electricity, package, storage and others - 3.75₹)
Aloevera gel	19ml	24.7/-	Profit	31.26₹ 20.79%
Glycerine	4ml	4.5/-	GST	41.72₹ 28%
Almond oil	3ml	12.75/-	Maximum Retail Price	149/-
Rose water	2ml	6/-	For 100 products	100 x 31.26
Tea tree oil	1ml	23.32/-	Profit	3,126/-
Beet root juice	1ml	1.0/-		
Total	30ml	72.27/-		

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6.4 Activities designed for student for participative learning:

 GURUNANAK COLLEGE OF PHARMACY Mauza Nari, Kh. No. 81/1, Kamgar Nagar, Nari, Nagpur – 440026. under the aegis of THE SIKH EDUCATION SOCIETY, BEZONBAGH, NAGPUR – 440004			
<u>STUDENT ACTIVITY</u>			
Year/Semester	B. Pharm II III Semester	Name of Course	Pharmaceutical Organic Chemistry-II
Course Code	BP301T	Activity Date	Refer Table above
Length	1Hr. or 30 Min. (01 Class Session)		
Aim	To encourage students to participate in quiz to enhanced application based knowledge.		
Key Skill	Group Work, Time Management, Listening & communication Skill, Logical Thinking Skill. Problem solving skill in groups.		
Assessment	Leadership & communication skills, problem solving ability.		
Type of Activity	Quiz (Multiple Choice Questions)		

Design:- This activity contributes to whole Syllabus of course Pharmaceutical Organic Chemistry-II. Topics were already covered in theory lectures. After the completion of lectures, students had given home assignment on above mentioned topics. Scheduled date for Quiz has been informed to students. Questions are asked to individual students by two students. After completion of quiz, Multiple Choice Questions are summarized with answers.

Multiple Choice Questions with answers (Sample Copy)are attached to this report.

GNCPU/UG/AMC/Student Activity

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Sample Copy

12/12/2018

BENZENE
Prepared by: Deepa Sahu
Dipti Pirwani
Multiple Choice Questions

3. With respect to the electrophilic aromatic substitution of benzene which of the following is not true:

- a) A non-aromatic intermediate is formed
- b) Benzene acts as an electrophile
- c) A proton is lost in the final step
- d) Resonance forms are important

1. Which statement about benzene is incorrect?

- a) The C-C π -bonding is delocalized.
- b) The C_6 ring is planar.
- c) Each C atom is sp^2 hybridized.
- d) The reactivity of the benzene reflects the presence of carbon-carbon double bonds.

4. π -Bonds in benzene spread over all six carbons, hence they are called

- a) Spectators
- b) Delocalised
- c) Invaders
- d) Inhibitors

2. When considering electrophilic aromatic substitution reactions electron withdrawing substituents (e.g. nitro) are described as—

- a) Ortho/para directing and deactivating
- b) Ortho/para directing and activating
- c) Meta directing and activating
- d) Meta directing and deactivating

5. How many resonance structures are there for phenanthrene?

- a) 6
- b) 5
- c) 4
- d) 3

12/12/2018

4. Which of the following is aromatic?

- a)
- b)
- c)
- d)

9. What is the correct name of the following molecule?

- a) 3,5-difluorobenzene
- b) Difluoromethoxybenzene
- c) 1,5-difluoro-3-methoxybenzene
- d) 1,3-difluoro-5-methyl-O-benzene

7. Which one of the following describes the mechanism of the reaction of aqueous NaOH with 2,4,6-trinitrochlorobenzene to form picric acid?

- a) Electrophilic substitution
- b) Addition and elimination
- c) Nucleophilic substitution
- d) Electrophilic addition

10. Which statement about the reaction of benzene with Cl_2 in the presence of $AlCl_3$ is incorrect?

- a) The mechanism goes via an intermediate cation
- b) The mechanism is electrophilic addition
- c) $AlCl_3$ is a catalyst
- d) None of the above

8. Which of the following is not a Hückel ($4n + 2$) aromatic system?

- a) Cyclooctatetraene (C_8H_8)
- b) Benzene (C_6H_6)
- c) Cyclopentadienyl anion ($C_5H_5^-$)
- d) Both a) and b)

11. Which of the following compounds is *p*-chlorotoluene?

- a)
- b)
- c)
- d)

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12/12/2018

12. With which one of the following reagents does phenol react at 298 K and form a salt?

a) aqueous HNO_3
b) aqueous Br_2
c) NaHCO_3
d) NaOH

13. The reaction of benzene with MeCl under Friedel-Crafts conditions leads to which of the following?

a) Methylbenzene and 1,2-dimethylbenzene as the only products.
b) A mixture of methylbenzene, 1,2-dimethylbenzene and 1,4-dimethylbenzene
c) Methylbenzene (toluene) as the only product
d) 1,2-dimethylbenzene and 1,4-dimethylbenzene as the only products.

14. Which statement about nitrobenzene (PhNO_2) is incorrect?

a) In the IR spectrum of PhNO_2 , stretching modes of the NO_2 group give rise to strong absorptions at $1500-1600 \text{ cm}^{-1}$.
b) PhNO_2 is toxic.
c) The NO_2 group is deactivating, and reaction conditions for nitration are harsher than for bromination of benzene.
d) PhNO_2 can be reduced to aniline by treatment with Fe and aqueous HCl , followed by aqueous NaOH .

15. Which statement about aniline (PhNH_2) is incorrect?

a) Reaction of PhNH_2 with EtCOCl gives the amide PhNHCOEt .
b) PhNH_2 is a liquid at 298 K.
c) Aniline is a primary amine
d) Treatment of PhNH_2 with NaNO_2 and aqueous HCl in an ice bath gives an azo compound.

16. Which statement about the reactivity of toluene is incorrect?

a) Treatment of toluene with HNO_3 and H_2SO_4 gives nitrotoluene
b) Reaction of toluene with Br_2 in the presence of FeBr_3 gives 2- and 4-bromotoluene
c) Oxidation of toluene with aqueous KMnO_4 gives benzoic acid.
d) Photolysis of toluene with Cl_2 leads to radical substitution in the methyl group.

17. Match the substituent to the stated orientation and activation effects. Which set is incorrect?

a) Cl ; activating; o- and p-directing.
b) Me ; activating; o- and p-directing.
c) OH ; activating; o- and p-directing.
d) NO_2 ; deactivating; m-directing.

12/12/2018

18. Which of the following cations is aromatic?

a) b, d
b) D
c) a, b, d
d) b, c, d

19. Which of the following structures are aromatic according to Hückel's rule?

a) a and c
b) a, c, and d
c) b and d
d) b, d, and e

20. Consider the following molecular orbitals of benzene. Which of these molecular orbitals has the highest energy?

a) orbital I
b) orbital II & IV
c) orbital III
d) orbital VI

21. Which of the following compounds gives off the LEAST heat per double bond when hydrogenated to cyclohexane?

a)
b)
c)
d)

22. Under photolytic conditions, toluene reacts with Cl_2 in which one of the following types of reactions?

a) Radical substitution.
b) Electrophilic addition
c) Radical addition.
d) Electrophilic substitution.

23. What is the expected product of following reaction: $\text{C}_6\text{H}_6 + \text{C}_2\text{H}_5\text{N}_2 \xrightarrow{\text{hv}}$

a) $\text{A} = \text{Na}_2\text{SnO}_3$; $\text{B} = \text{C}_6\text{H}_5\text{NH}_2$
b) $\text{A} = \text{NaNO}_2$, HCl ; $\text{B} = \text{C}_6\text{H}_5\text{NH}_2$
c) $\text{A} = \text{NaOH}$; $\text{B} = \text{C}_6\text{H}_5\text{NO}_2$
d) $\text{A} = \text{H}_2\text{SO}_4$; $\text{B} = \text{C}_6\text{H}_5\text{N}_2^+\text{HSO}_4^-$

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Gurunanak College of Pharmacy, Nagpur
M.Pharm Sem I Drug Regulatory Affairs

Student Activity: 01 Quiz Competition
Topic: The Pharmacy Act 1948
All the students will be preparing two objective type questions each. The question can be either multiple choice, fill in the blank, match the pair, true/false etc.
The statement framed for the question should be clear
Each student will ask question to the next student and will get marks out of 10 for asking good quality question and will get 10 marks for answering correctly to the question asked to him.
There will be two rounds for this quiz.
Evaluation for the correct answer will be done by student only.

Deliverables:

1. Knowledge on the topic.
2. Formation of appropriate questions.
3. Evaluation Skill
4. Presentation Skill

30/08/2016

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GURUNANAK COLLEGE OF PHARMACY

Nari Nagpur

M. Pharm I Year 2016-17

Student Activity: 02 Quiz Competition

Topic: The Drugs & Magic Remedies Act 1954

Sr. No.	Name of Student	Quality of Question/10	Answer/10	Total
1.	Amrapali Bhagat	07	00	07
2.	Ankush Sen	06	10	16
3.	Ankush Khaparde	06	10	16
4.	Apurva Pokale	07	00	07
5.	Azhar Iqbal	07	10	17
6.	Deepa Singh	00	10	10
7.	Hurshita Jain	08	10	18
8.	Kalyani Khune	08	10	18
9.	Karan Sohandani	08	00	08
10.	Payal Chauhan	07	10	17
11.	Payal Mendhe	06	10	16
12.	Rohit Kumar	07	10	17
13.	Shruti Ukey	06	10	16
14.	Shubham Dhotkar	06	10	16
15.	Shubhangi Dahale	—	—	—
16.	Shubhangi Ranganekar	—	—	—
17.	Vidya Bahekar	05	10	15
18.	Prerna Pardhi	07	00	07
19.	Amandeep Dhillon	—	—	—
20.	Kalyani Thombre	06	00	06
21.	Ashwini Nagpure	02	00	02
22.	Yogita Khade	07	10	17
23.	Nidhi Jaiswal	07	10	17
24.	Payal Shahu	04	10	14
25.	Trupti Waghmare	02	10	12

Remarks: Each student asks a question and gets marks out of 10 by teacher.
Each student also answers a question and gets evaluated by the student asking question.

Signature
31/08/2016

Signature
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Gurunank College of Pharmacy, Nagpur
M. Pharm Sem I Drug Regulatory Affairs

Student Activity : 01 Quiz Competition
Topic: The Pharmacy Act: 1948
All the students will be preparing two objective type questions each. The question can be either multiple choice, fill in the blank, match the pair, true/false etc.
The statement framed for the question should be clear.
Each student will ask question to the next student and will get marks out of 10 for asking good quality question and will get 10 marks for answering correctly to the question asked to him.
There will be two seconds for this quiz.
Evaluation for the correct answer will be done by student only.

Deliverables:

1. Knowledge on the topic.
2. Formation of appropriate questions.
3. Evaluation skill
4. Presentation skill

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Evaluation Sheet

	Quality of ans. 0	Answers	Total
1. Amrapali	06	0	06 4
2. Ankush Sen	05	0	05 3
3. Ankush Khaparde	—	—	—
4. Apurva Pokale	—	—	20 12
5. Ashaz	10	10	10 7
6. Deepa	—	10	15 9
7. Harshita Jain	05	10	06 4
8. Kalyani	06	0	02 2
9. Karan	02	—	12 8
10. Payal	02	10	18 11
11. Payal Mendhe	08	10	—
12. Rohit Kumar	—	—	08 6
13. Shrut Ukey	08	0	10 7
14. Shubham Chotekar	—	10	07 5
15. Shubhangi	07	0	15 9
16. Shubhangi	05	10	15 9
17. Vidya	05	10	16 10
18. Prema	06	10	15 9
19. Amandeep	05	10	18 11
20. Kalyani Thombre	08	10	—
21. Ashwini	—	—	—
22. Pradip	—	—	0 1
23. Nidhi	—	0	10 7
24. Payal Shahu	—	10	06 4
25. Trupti Waghmare	06	0	—

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	Quality of ans.	Answers	Total
1. Amrapali	06	0	06 4
2. Ankush Sen	06	0	05 3
3. Ankush Kharparde	05	0	—
4. Apurva Pokale	—	—	20 12
5. Azharz	10	10	10 7
6. Deepa	—	10	15 9
7. Harshita Jain	05	10	06 4
8. Kalyani	06	0	02 2
9. Kason	02	—	12 8
10. Payal	02	10	18 11
11. Payal Mendhe	08	10	—
12. Rohit Kumar	—	—	08 6
13. Shreuti Ukey	08	0	10 7
14. Shubham Dhotarkar	—	10	07 5
15. Shubhangi	07	0	15 9
16. Shubhangi	05	10	15 9
17. Vidya	05	10	16 10
18. Preema	06	10	15 9
19. Amandeep	05	10	18 11
20. Kalyani Thombze	08	10	—
21. Ashwini	—	—	—
22. Pradip	—	—	0 1
23. Nidhi	—	0	10 7
24. Payal Shahar	—	10	06 4
25. Truph Waghmare	06	0	—

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2019-20

M.Pharm. Sem - I

Student Activity - I

Title: Drafting of questions based on "New drug discovery and development" topic & asking to each other

Name	Grade	Remarks
Bhavana	B	Many questions were subjective
Karishma	B ⁻	Most were subjective, not in proper format, only one was good
Zaveriya	A ⁻	Question quality was better, can be improved
Gunjan	B ⁻	Subjective questions
Charushreea	A ⁻	Good quality questions. need to work on language
Kavita	B	Many were subjective, one was better
Kalyani	B ⁻	Subjective & obvious questions.

[Signature]
24/08/2019

[Signature]
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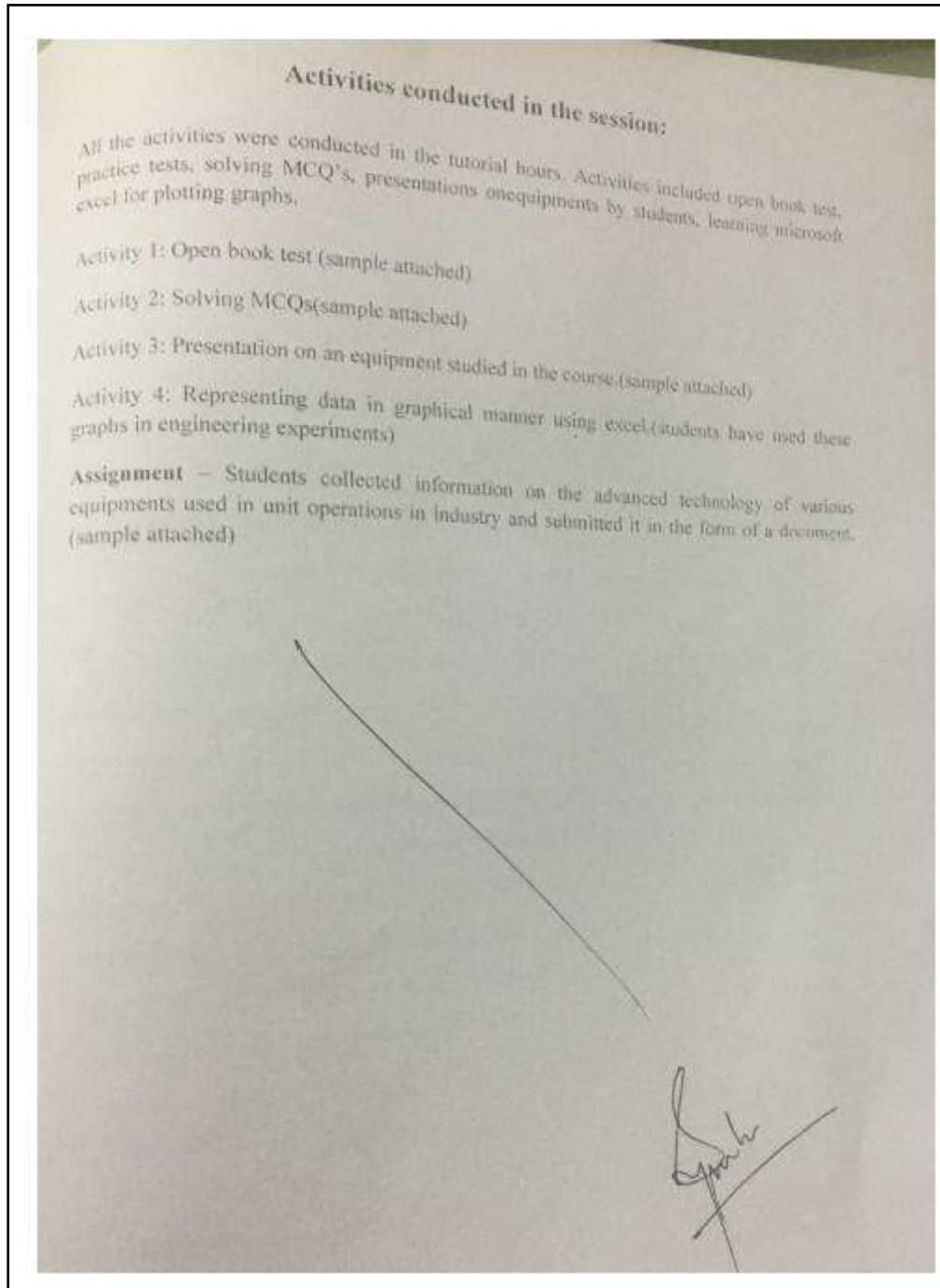


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Activity 3: Seminars by students on Equipments

All the students delivered their seminars using chalk and board. Their presentation was evaluated on the basis of the content and language skills.

Sr. No.	Name of student	Equipment	Marks obtained	Signature
1.	Adiba khan	Double cone blender	7	
2.	Aishwaryashahu	Twin shell blender	7.5	Aishwaryashahu
3.	Amrutalakhe	Ribbon blender	7	Amrutalakhe
4.	Ankushashahu	Sigma blade mixer	5	Ankushashahu
5.	Ashwini dhakne	Planetary mixer	7	Ashwini dhakne
6.	Bhagyashribhure	Energy losses	7	Bhagyashribhure
7.	Bhairavignawande	Rotameter	5	
8.	Chetanushelote	Impellers	9	Chetanushelote
9.	Dimple sahare	Turbines	8	Dimple sahare
10.	Diptipirwani	-----	absent	Diptipirwani
11.	Diptinasaram	padilles	7	Diptinasaram
12.	Dishapatel	Silverson emulsifier	9	Dishapatel
13.	Divyaatram	Filter press	9	Divyaatram
14.	Ektatiwari	Filter leaf	9	Ektatiwari
15.	Harshalichonde	Rotary drum filter	7.5	Harshalichonde
16.	Kajalbhed	Meta filter	8.5	Kajalbhed
17.	Kajalkesare	Cartridge filter	8	Kajalkesare
18.	Kalyanithakre	Membrane filter	7	Kalyanithakre
19.	Kanchankuralkar	Seitz filter	8	
20.	Khushbusharma	Factors affecting filtration	7	Khushbusharma
21.	Mahekgupta	Factors affecting mixing	8.5	Mahekgupta
22.	Manalibarai	Fluid energy mill	8	Manalibarai
23.	Monalijeekar	-----	Absent	

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24	Nikita korbade	Edge runner mill	7	Nikita
25	Nikita pal	Manometer types	7	Nikita
26	Prachi rode	Ball mill	7	Prachi
27	Prajaktharode	Horizontal continuous centrifuge	6	Prachi
28	Prathamatupkar	Hammer mill	5	Prachi
29	Pyatibhaktodwate	Super centrifuge	5	Prachi
30	Pratikshabhajikhaye	Püret tube	6	Prachi
31	Pratikshadenikar	Ball mill	8	Prachi
32	Pratikshabrambe	Cyclone separator	7	Prachi
33	Radhagulhane	Perforated basket centrifuge	5	Prachi
34	Renukaganikwad	Roller mill	7	Prachi
35	Sakshirathi	Edge runner mill	9	Prachi
36	Sana shaikh	Bag filter	8	Prachi
37	Shivanihevar	Hammer mill	7	Prachi
38	Shrutikawle	Perforated basket centrifuge	8	Prachi
39	Shrutikabawankar	Air separator	9	Prachi
40	Sudipabose	Non Perforated basket centrifuge	10	Prachi
41	Sumbullatma	Sieve shaker	9	Prachi
42	Tabassumahmed	Bag filter	8	Prachi
43	Tejaswinichandekar	Bernoulli's theorem	8	Prachi
44	Umra Ansari	Steam distillation	8	Prachi
45	Urjachopkar	Drum dryer	8.5	Prachi
46	Urjatawri	Manometers	8	Prachi
47	Vidhidugar	Vacuum distillation	9	Prachi
48	Yashikapatil	Spray dryer	8.5	Prachi
49	Zahara khan	-----	absent	
50	Amitlaskari	Radiation mechanism	8	Prachi

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51	Avesh sheikh	Multiple effect evaporator	7.5	
52	Deveshpelagade	Horizontal tube evaporator	7.5	
53	Gauravjaiswal	Fluidised bed dryer	6.5	
54	Gauravparmal	Flash distillation	7	
55	Kapildholwani	Fractional distillation	9	
56	Kaustubhjoshi	Reynold's experiment	9	
57	Mahesh pimpalkar	Falling film molecular still	5	
58	Ninadbarkhande	Tray dryer	7	
59	Ahteshamraza	Falling film evaporator	7	
60	Pritamgovardhan	Climbing film evaporator	7.5	
61	Rajdeepghadge	Jacketed evaporator	9	
62	Sahilmeshram	Vacuum dryer	7	
63	Sandeshpurohit	Fourier's law	9	
64	Shivambhelau	Orifice meter	7	
65	Sumit pranjal	Freeze dryer	8	

Signature of the teacher

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2 year IV sem 2017-18

Topic: To Create Globally Competent Pharmacist

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Assignment work- book of Maiiya Hussain
 Topic: Evaporation

Q.1. Did you understand the topic evaporation? Yes No

Q.2. If no, then what part of the topic was difficult to understand and what was the reason behind it? (if yes which topic you like most and why?)
 Equipments of evaporation. It was interesting to know construction and working of various equip evaporators. It was interesting to know how these work on large scale.

Q.3. Can you able to enlist the factors affecting evaporation with formula and as per your thinking some other factors which are not incorporated in book?
 Formula: $M = \frac{K_s}{P} (b-b')$
 Temperature, vapour pressure, surface area, moisture content of the feed, Type of product required, time of evaporation, film and deposits, economic factors, wind speed, nature of sample (liquid), motion of air, intermolecular forces, viscosity.

Q.4. Can you able to identify and enlist evaporation processes in day to day life
 • clothes dry under a fan
 • evaporation of petrol
 • pressure cooker
 • Drying hair with a hair dryer
 • Evaporative coolers
 • sweating (sweat evaporation)
 • evaporation of water (water cycle)

Q.5. What are the major factors to be considered while designing the industrial evaporator?
 surface area (heating surface), material for construction, number of tube, length, thickness, energy required, capacity, entry of steam/vapour jacket, various factors affecting evaporation (vapour inlet) and outlet of pipe, condensate (inlet, outlet), Top cone height, evaporating chamber area etc., cleaning, economic

Q.6. Classify the evaporator with example

Evaporators

- ① Evaporators with heating medium in jacket i.e. steam jacketed evaporator
- ② vapour heated evaporators with tubular heating surface
- ③ Evaporators with tube placed horizontally i.e. horizontal tube evaporator
- ④ Evaporators with tubes placed vertically
 - ① single effect evaporator i.e. short tube vertical evaporator
 - ② multiple effect evaporator i.e. Triple effect evaporator
 - ③ Evaporators with long tube
 - ① Evaporators with natural circulation i.e. climbing film i.e. forced circulation evaporator
 - ② Evaporator with forced circulation i.e. forced circulation evaporator

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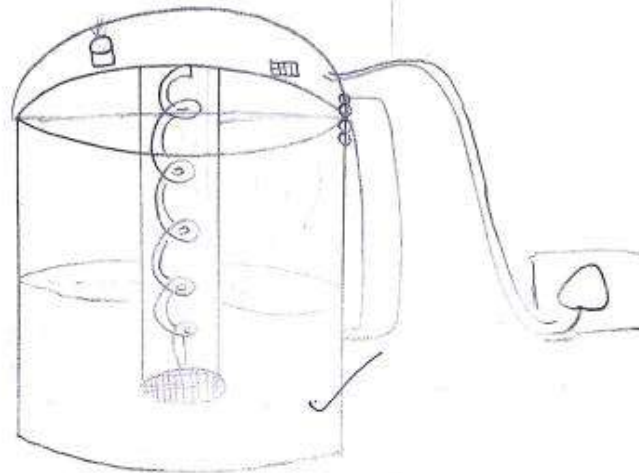
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Visior: To Create Globally Competent Pharmacist

Q.7. Is it possible for you to conceptualize the evaporator on the basis of factors : d design given in book (if yes give schematic representation of your design)

or any suggestions in regarding modification in the existing evaporator.



⊙ i.e. single effect falling film evaporators
a mechanical re-compression device ^{vapour} where low pressure steam/vapour is not continuously available. re-compression and re-use of the steam/vapour produced from liquid itself, used as the heat source to drive the evaporation process or as a starting stream.
⊙ mist eliminators

Q.8 Any further suggestions or comments / Request
one day industrial tour in any pharmaceutical plant or industry at nagpur or near to nagpur.

Note=99

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GURUNANAK COLLEGE OF PHARMACY, NAGPUR

Details of Activities Conducted

Subject: Environmental Studies

B.Pharm II Semester 2018:19

Activity I: Students delivered presentations, awareness talk and presented skits and mono-act on various topics from the syllabus in groups.

Activity I details:

S.No.	Group	Topic	Delivery mode	Date
1	Sahil Wadhvani Chirag Moryani Krishna Patel Radha Kavgate Ashwini Wasake	Water Pollution: <ul style="list-style-type: none">• Causes and hazardous effects• Prevention and• Role of individual in controlling and prevention water pollution	Skit	15 March 2019
2.	Jay Gadge Atharva Thite Chinmay Thatte Abhijeet Shinde Abhishek Joshi Amitesh Bobade	Water Resources: Types Problems Solutions to problems	Powerpoint presentation	15 March 2019
3.	Prasad Narad Nayan Ghime Akshay Ramteke	Food Resources: Problems Solutions to problems	Powerpoint presentation	15 March 2019
4.	Narayani Sachdev Vaishnavi Dharne Pratik Rusia	Soil Pollution : Causes, Effects and prevention	Powerpoint presentation	27 March 2019

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5.	Pratik Ambekar Aman Fulwani Uzair Parekh Afraz Lalani Ujjwal Tekani	Energy resources: Types Associated problems Solution to the problems	Skit presentation and	22 March 2019
6.	Steffi George Meenal Watkar Ayushi Choudhary Rutuja Tijare Dhanashri Pendam Siddhi Wargantiwar	Role of an individual in conservation of natural resources	Role-Play and mono act	27 march 2019
7.	Prachi Khobragade Apoorva Mirche Priyanka Pendam Meenal Raut Shireen Fatema	Air Pollution: Causes, hazardous effects and Prevention	Powerpoint presentation	29 march 2019
8.	Isha Sharma Priyanka Soni Samiksha Tapre Deepali shastri	Forest Resources Associated Problems and prevention	Powerpoint presentation	29 March 2019

Activity 2: Students who failed to participate in activity 1 prepared and submitted a printed report on the topic "Ecofriendly nature of Nagpur metro." (Sample attached)

Signature of the teacher

Shobha Ubgade

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Sample of report on "Ecofriendly nature of Nagpur metro."

NAME - Anshu, J. Bhatnagar
CLASS - B.Pharm 2nd year Roll No. 57
SUB - Environmental Education (Assignment)
TOPIC - Environment friendly Metro in Nagpur

The NMRC (Nagpur Metro Rail Corporation Limited) has taken completely green initiative by introducing solar power generation, bio-digestion and Green buildings in the project. Mission of NMRC is to develop and manage efficient, environment friendly, mass rapid transit system using maximum energy from the renewable sources.

Solar PV panels -
NMRC plans to install solar PV panels in two phases. In the first phase solar PV panels will be installed on the rooftops of stations and covered walkways in the depot area. Solar panels having total capacity of 16.5 MW would be installed in the first phase. After completion of phase I, NMRC plans to install solar PV panels on depot and track boundary walls and the viaduct structures under phase II. The total capacity of solar panels which is likely to harness is about 21.1 MW after completion of phase II. NMRC has also planned to install solar panels on the roof of Metro station with a capacity of 260 kW and 1000 units/day. This green initiative will reduce the load on conventional sources for power production and also reduce carbon emissions.

Bio-digesters -
NMRC will install an ecofriendly Biogas treatment and development Establishment (BRDE)

Rajesh

Rajesh
Principal

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Proof of the activity:

Seminar on
(SA Study)

15 th March	20 th March	27 th March
<ul style="list-style-type: none"> Water pollution Sahil Chirag Kushna Rudha Ashwini 	<ul style="list-style-type: none"> Soil pollution Norayani Vaishnavi Norayani Pratik Rusa 	<ul style="list-style-type: none"> Mineral Piya Shangalpa Rishi Pratik Asmita
<ul style="list-style-type: none"> Water Resources Jay Ashwini Chinmay Abhishek Amitesh 	<ul style="list-style-type: none"> Energy Pratik Anubhava Anam Ugais Abhishek Ujjwal 	
<ul style="list-style-type: none"> Food Resources Prasad Nayan Ashwini Mahesh Shivam Lokesh Sagar 	<ul style="list-style-type: none"> Role of individual Steffi meenal wankar ayushi Aditya Dhanashree Siddhi 	
	<ul style="list-style-type: none"> air Pratik Aparna Bhyanika Bendam meenal Raut Sheerin fatema Shivani 	
	<ul style="list-style-type: none"> Forest : Ishak Jyoti Rishi Samiksha Deepali, Bhyanika Soni 	

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7. Industrial visit and filed visit for observational and experiential learning:

7.1 During year 2019-2020

Industrial Visit at Nisha Herbals Pvt. Ltd., Nagpur



The industry visit at Nisha Herbals Pvt. Ltd., MIDC Hingna, Nagpur has been organised on 25th January 2020.

All the students got hands on exposure to Good Manufacturing Practices in various department of Herbal Industry. The team at Industry guided the students about operations of various machines, analytical instruments, utilities and different aspects of production, quality assurance, quality control and packaging.

12 M. Pharm students and 3 Faculty Members Dr. V. V. Kale, Dr. S. B. Waikar and Mr. T. M. Rasala visited the premises.

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Educational Tour to Goa



An educational tour to Goa and industrial visit was organized for the students on 30th Jan – 6th Feb, 2019.

In this tour students visited various scenic places in Mumbai, Goa and Kamataka like Nariman Point, Gate way of India and Siddhivinayak Temple in Mumbai, Calangute Beach, Baga Beach, Aguada Fort, Mangeshi Temple, Old Goa Church, Colva Beach, Dona Paula Beach, Miramar Beach, Anjuna Beach, Vagator Beach in Goa and DoodhSagar Waterfall in Kamataka. Students enjoyed various cultural function along with cruise ride in the river Mandavi at Panaji.

In this tour students visited Pfizer Pharma Ltd., Verna Goa which is the production unit of oral and topical solid and semisolid formulations.

In this 75 students of B. Pharm were escorted by the faculty members Mr. G. A. Gurunani, Dr. SheelpriyaWalde and Mrs. M. K. Bhurchandi.

Personality Development Tour to Odisha and Sikkim



Personality development tour to Odisha and Sikkim was organized on 31st Dec, 2019 to 11th Feb, 2019 for M. Pharm students. In this tour students visited various places in the state of Odisha including Jagannath Temple, and Golden Beach at Puri, Sun Temple at Konark, Pipili Village, Lingraj Temple, Nandankanan Zoological Park, Udaygiri and Khandgiri Caves at Bhubaneshwar. Students also visited various places in Sikkim and West Bengal including Deolo Hills and MangalDhamPranami Temple at Kalimpong (West Bengal), Wishing Lake and Sky Walk at Pelling, TathagataTsal (Buddha Park) at Revangala, Ganesh Tok and Gonjang Monastery at Gangtok, Snow Point on Lachung – Yumthang Road and Char Dham at Namchi.

Students also visited the formulation plant of Alkem Laboratories Pvt Ltd, Kumrek, Sikkim. A group of 25 students of M. Pharm was accompanied by Mr. K. B. Bhelkar and Dr. V. V. Kale.

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7.2 During year 2018-19

Educational Visit to Aura Park



One day educational visit was organized to the Aura Park, Katlabodi, Amravati Road, Nagpur for the students of B. Pharm I year on 23rd Jan, 2019. In this event Mr.AmbarishGhatate and Mr.MukundSherekar shared the information about various medicinal plants (Traditional and Ayurvedic) and biodiversity with the students. 36 students under the guidance of Dr. S. B. Waikar and Mrs. S. A. Ubgade enjoyed the visit

Industrial Visit to Oniosome Healthcare Pvt. Ltd., Mohali



Training and placement cell, Gurunank College of Pharmacy arranged one day industrial visit followed by training was arranged for the students of B. Pharm III Yr on 14th of May, 2019 to OniosomeHealthcare Pvt. Ltd., Mohali. In this students received training and handled various sophisticated analytical instruments. Students also visited National Institute of Pharmaceutical Education and Research, Mohali. 18 students participated in this event. Dr. V. V. Kale and Dr. S. B. Waikar took efforts and coordinated the industrial visit.

(Photo Courtesy: Mr.Punit Verma, B. Pharm III Yr.)

Hospital visit to Ashwini Kidney and Dialysis Center



Hospital visit for the students of M. Pharm was arranged on _____ to Ashwini Kidney and Dialysis Center situated at Dhantoli, Nagpur. In this visit students gained the first hand information about the patients undergoing dialysis and understood the pharmacists' role in clinical practice or hospital set up. The outcome of the visit was students could understand the line of treatment, psychof of the patient, type of medication prescribed the diet plan and analysis of pathophysiological readings of pre and post dialysis.

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E-mail : gncp2004@yahoo.com

Web Address: www.gncp.edu.in

7.3 During year 2017-18

Educational Tour to Uttarakhand



An educational tour to the state called 'Devbhumi' – Uttarakhand was arranged for the B. Pharm students of GNCP between 21-30 Jan, 2018. In this tour students visited various scenic places in Delhi, Rishikesh, Joshimath, Auli, Nainital, Jim Corbett and Haridwar. Students enjoyed River Rafting in The Ganges River, sunset and camp stay at Rishikesh, Ropeway Journey to Auli, thrilling Jungle Safari at Jim Corbett National Park. In this they also visited Shankaracharya Temple in Joshimath. 51 students accompanied by the faculty member Mr. G. A. Gurunani attended the tour.

Committed to Quality
Principal

Dr. A. M. Itadwar
Principal

Gurunank College of Pharmacy
Nari, Near Dixit Nagar, Behind C.P. Foundry
Kamptee Road, Nagpur-440 026



The Sikh Education Society's
Gurunanak College of Pharmacy

MAUZA NARI, KH.NO.81/1, KAMGAR NAGAR, NAGPUR-440026

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Educational Tour to Kerala



An Educational tour to the 'God's Own Country' Kerala was organized for students of B. Pharm from 22-31st Jan, 2018. In this tour students visited Ernakulum, Waterfall at Tekkedi, Backwaters at Aleppy, Rose Garden, Tea Garden and Eco Point at Munnar and Padmanabham Temple, Kovalum Beach at Thiruvananthapuram. Students also visited the hub of potential medicinal plant garden 'Spice Garden' and enjoyed wild life sanctuary. The students were accompanied by Dr. S. P. Padmane, Dr. S. R. Walde and Dr. S. B. Waikar.

7.4 During year 2016-17

Educational Tour to Himachal Pradesh and Punjab



An Educational tour and Industrial visit to Himachal Pradesh and Punjab was organized for the students of B. Pharm between 29 Jan -7 Feb, 2017. In this, students visited Solang Vally, Mall Road, Hidimba Temple, Ghatotkwacha tree, Vashista Temple at Manali, Himachal Pradesh Cricket Association Stadium, Namgyal Monastery, McLeod Ganj, Bhagsu Waterfall at Dharamshala and Golden Temple, Wagah Border at Amritsar. Students also visited Kwality Pharmaceuticals, Amritsar on 5th Feb, 2017. A team of 62 students was escorted by the faculty members Mrs. M. K. Bhurchandi, Mr. G. A. Gurunani and Mr. T. M. Rasala.

Dr. A. M. Itadwar
Principal

Dr. A. M. Itadwar
Principal

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7.5 Students undertaking project work/field work/internship

Programme name	List of students undertaking project work/field work/internship	Link to the relevant document
UG - Bachelor of Pharmacy	1 Rajdeep Ghadge 2 Sakshi Rathi 3 Gaurav Sharma 4 Pritam Wath	https://drive.google.com/file/d/1Jvpg3kWiz7RYTEQz-C8MDSQvaUnCiEJT/view?usp=sharing
UG - Bachelor of Pharmacy	5 Lakshya Udasi	
UG - Bachelor of Pharmacy	6 Manali Barai 7 Nikita Kurahde 8 Mahesh Pimpalkar 9 Kapil Dholwani 10 Zahara Khan	
UG - Bachelor of Pharmacy	11 Mrunal Giripunje	
UG - Bachelor of Pharmacy	12 Urja Chopkar 13 Sudipa Bose 14 Sumbul Khan 15 Sana Shaikh	
UG - Bachelor of Pharmacy	16 Adiba Khan 17 Ekta Tiwari 18 Nikita Pal 19 Tejaswini Chandekar 20 Shrutika Bawankar 21 Shruti Kawale 22 Prathama Tupkar 23 Dipti Pirwani 24 Kajal Kesare 25 Bhairavi Gawande 26 Chetana Shelote 27 Tabassum Ahemad 28 Kajal Bhede 29 Aishwarya Shahu	


Principal

Dr. A. M. Itadwar
Principal

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	30 Yash Dubey 31 Prajakta Harode 32 Pratiksha Deulkar 33 Umra Ansari 34 Harshali Chonde
UG - Bachelor of Pharmacy	35 Sahil Meshram 36 Yashika Patil
UG - Bachelor of Pharmacy	37 Amruta Lakhe
UG - Bachelor of Pharmacy	38 Amit Lashkari
UG - Bachelor of Pharmacy	39 Roshni Bhalekar
UG - Bachelor of Pharmacy	40 Dipti Masram
UG - Bachelor of Pharmacy	41 Kanchan Kurhalkar 42 Kalyani Thakare 43 Divya Atram 44 Sandesh Purohit
UG - Bachelor of Pharmacy	45 Pratiksha Brahme 46 Prachi Rode 47 Devesh Pelagade 48 Shivam Bhelau 49 Disha Patel
UG - Bachelor of Pharmacy	50 Sumit Pranjale 51 Pritam Govardhan 52 Ninad Burkhande 53 Rushikesh Gaikwad 54 Sanket Vasmatkar
UG - Bachelor of Pharmacy	55 Mahek Gupta 56 Khushbhoo Sharma 57 Renuka Gaikwad 58 Pratiksha Bhajikhaye 59 Avesh Shaik
UG - Bachelor of Pharmacy	60 Kaustubh Joshi 61 Gaurav Parmal 62 Gaurav Jaiswal 63 Dimpal Sahare

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Principal

Dr. A. M. Itadwar
Principal

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	64 Ahteshan Raza Khan	
UG - Bachelor of Pharmacy	65 Ashwini Dhakne	
	66 Bhagyashree Bhure	
	67 Urja Tawari	
UG - Bachelor of Pharmacy	68 Vidhi Dugar	

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Principal

Dr. A. M. Itadwar
Principal

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8. To develop participative and lifelong learning approach

Students of the institutes are always encouraged and guided to take part in certificate courses/ add on courses and also in scientific/ co-curricular events organized by parent institute as well as other institutes.

Academic Year 2018-2019



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Principal
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UC San Diego

Jun 8, 2020

Rutuja Baban Tijare

has successfully completed

Drug Development

an online non-credit course authorized by University of California San Diego and offered through Coursera

Williams Ettouati *Joseph D. Ma*

Williams Ettouati, PharmD
Managing Director, Master of Science in Drug Development & Pharmaceutical Sciences
Management
Health Sciences Associate Clinical Professor
Associate Director, Center for Drug Discovery Innovation
Director, Education Innovation Support Team
Office of the Executive Vice Chancellor
University of California San Diego,
Skaggs School of Pharmacy and Pharmaceutical Sciences

Joseph D. Ma, Pharm.D.
Associate Professor
Skaggs School of Pharmacy & Pharmaceutical Sciences
University of California, San Diego

COURSE CERTIFICATE

EDUCATION FOR EVERYONE
coursera
COURSE CERTIFICATE

Verify at coursera.org/verify/JBWJGFMXMELB
Coursera has confirmed the identity of this individual and their participation in the course.

Dr. A. M. Itadwar
Principal

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Principal
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3 Courses

- Drug Discovery
- Drug Development
- Drug Commercialization



Nov 3, 2020

Rutuja Baban Tijare

has successfully completed the online, non-credit Specialization

Drug Development Product Management

Pharmaceutical and biotech companies are spending years and millions of dollars developing drugs or promising new biologics, all with the hopes of saving or enhancing patients' lives. This specialization will provide you with a bird's-eye view of the entire process of drug discovery and development process. In the first course you will begin with learning how scientists go from selecting a drug discovery target to filing an Initial New Drug application (IND). In the second course you will then learn the intricacy of drug development from Phase 0 to Phase 3 clinical trials and filing a New Drug Application. Finally, in course three, the specialization will provide you an understanding of the complexities in launching new pharmaceutical products and ensure sales success.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Joseph D. Ma

Joseph D. Ma, Pharm.D.
Associate Professor
Skaggs School of
Pharmacy &
Pharmaceutical
Sciences
University of California,
San Diego

Williams Ettouati

Williams Ettouati,
PharmD
Managing Director,
Master of Science in
Drug Development &
Product
Management
Health Sciences
Associate Clinical
Professor
Associate Director,
Center for Drug
Discovery Innovation
Director, Education
Innovation Support
Team
Office of The Executive
Vice Chancellor
University of California
San Diego,
Skaggs School of
Pharmacy and
Pharmaceutical
Sciences

Verify this certificate at:
coursera.org/verify/specialization/WPHPVDEH5TUV

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JOHNS HOPKINS UNIVERSITY

Nov 20, 2020

Rutuja Baban Tijare

has successfully completed with honors

Introduction to the Biology of Cancer

an online non-credit course authorized by Johns Hopkins University and offered through Coursera

Kenneth J. Pienta

Kenneth J. Pienta, M.D.
The Donald S. Coffey Professor of Urology
Professor of Oncology
The James Buchanan Brady Urological Institute
The Johns Hopkins University School of Medicine

Verify at coursera.org/verify/B2CYCGTV6G2N
Coursera has confirmed the identity of this individual and their participation in the course.

This certificate does not affirm that this learner was enrolled as a student at Johns Hopkins University. It does not confer a JHU grade, course credit or degree; establish a relationship between this learner and JHU; enroll or register this learner at JHU or in any course offered by JHU; or entitle this learner to access or use resources beyond the online courses provided by Coursera.

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**Continuing
Education Certificate**

Rutuja tijare, Other, pharmacy student

has participated in the enduring material titled
**Drug Shortages: FDA Efforts, Current Challenges and Future
Goals**

on September 24, 2020

This activity was designated for 1.00 AMA/PRA Category 1 Credits™.

In support of improving patient care, FDA Center for Drug Evaluation and Research is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.



Virginia Ginzow
Giroux, Virginia, MSN, PNP-BC
Associate Director for Accreditation

FDA Center for Drug Evaluation and Research
10903 New Hampshire Avenue
Silver Spring, MD 20993



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Certificate of Completion

THIS ACKNOWLEDGES THAT

Rutuja tijare, Other,
pharmacy student

HAS SUCCESSFULLY COMPLETED

FDA DRUG TOPICS: AN OVERVIEW OF NALOXONE AND FDA'S EFFORTS TO
EXPAND ACCESS

September 29, 2020


Principal

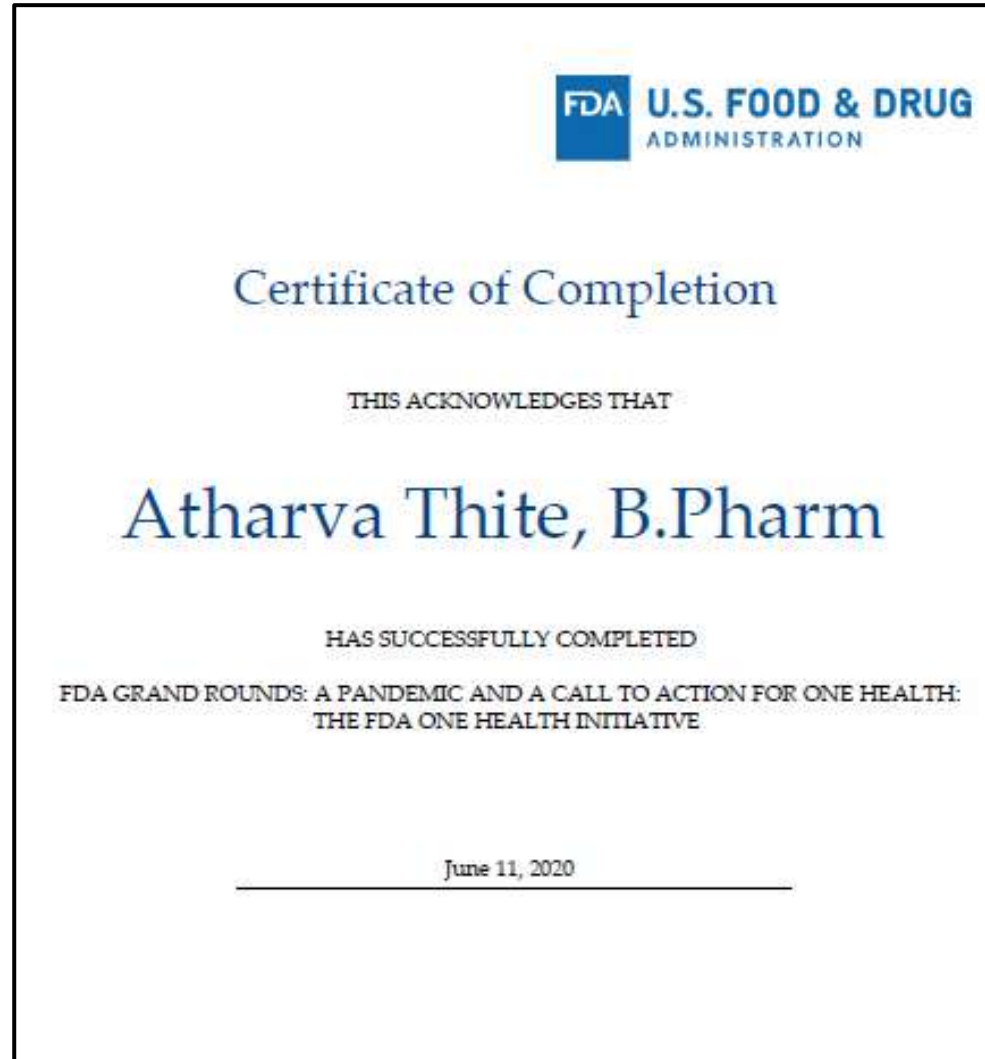
Dr. A. M. Itadwar
Principal
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**Continuing
Education Certificate**

Atharva Thite, B.Pharm

has participated in the enduring material titled
**Biosimilar and Interchangeable Biological Products: Basic
Concepts and Practical Resources**
on November 30, 2020

This activity was designated for 1.00 AMA/PRA Category 1 Credits™.

In support of improving patient care, FDA Center for Drug Evaluation and Research is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.






Karen Zawalik
Accreditation Program Administrator

FDA Center for Drug Evaluation and Research
10903 New Hampshire Avenue
Silver Spring, MD 20993




Principal
Dr. A. M. Itadwar
Principal
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4500 East-West Highway
Bethesda, MD 20814
Phone: 866-279-0681
www.ashp.org

STATEMENT OF COMPLETION
provided by
American Society of Health-System Pharmacists®

Name: Atharva Thite
ASHP Customer #: 07788861|0
Activity Date: 5/28/2020
Activity Name: Resource Utilization Oversight for Limited Supply Medications

Completion Hours: 1.000
Transcript ID: 20008A

This Statement acknowledges only the completion of this activity:
ACPE UAN #0204-0000-20-008-104-P
No credits were reported to ACPE, CPE Monitor or any other accrediting body.
This statement is for documentation of participation only.

bca#50bba3ca46c9a9e52137f2bca39-5bc3b512cf07429f6160e70884ef1771


Principal

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Miss Farheen Bano delivered a Lecture on
"Flow properties of pharmaceutical polymeric solution: Impact of Additive"
at ZIM Laboratories limited



List of Attendees

Committee
Principal
Dr. A. M. Itadwar
Principal
Gurunesak College of Pharmacy
Nari, Near Dabit Nagar, Behind C.P. Foundry
Kamptee Road, Nagpur-440 026



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ZIM LABORATORIES LIMITED B-21/22 MIDC Area, Kalmeshwar-441501 Dist. Nagpur, Maharashtra State, India.		SOP Code : ZLL/SOP-HRD-02 Rev. No. : 14 Effective Date : 01/01/2019 Next Rev. Due on : 31/12/2020	 Zim <small>For a Sustainable Future</small>
MASTER COPY Copy No. _____ Approved: _____			
STANDARD OPERATING PROCEDURE FOR TRAINING AND DEVELOPMENT OF PLANT PERSONNEL			
APPENDIX-I ZLL/SOP-HRD-02/FR-01(1/3)			
TRAINING ATTENDANCE SHEET			
Training Topic : <u>How preparation of pharmaceutical polymeric solution: Impact of additive.</u>			
Venue	: <u>QA conference</u>	Date of Training	: <u>11/02/20</u>
Timing	: <u>From 10.30 to 12.00</u>	Total Hour	: <u>1.30</u>
Trainer	: <u>Ms. Farheen Bano</u>		

S.N.	Name of the Participants	Department	Signature	Remark/ Scores
1	Mahal Bende	FNDD, ODT	<i>[Signature]</i> 11/02/2020	V. good Grade
2	Ashwini Umaredkar	FNDD, ODS	<i>[Signature]</i> 11/02/2020	good
3	Chetna Deware	FNDD, ODS	<i>[Signature]</i> 11/02/2020	V. good.
4	Chaitali Tamgadge	FNDD, ODS	<i>[Signature]</i> 11/02/2020	good.
5	Princy Davis	FNDD	<i>[Signature]</i> 11/02/2020	excellent
6	Rashi Gupta	FNDD, ODS	<i>[Signature]</i> 11/02/2020	V. Good.
7	Deepak S. Lohar	ARDL, ODS	<i>[Signature]</i> 11/02/2020	V. good
8	Shroutkam Gumberkar	FNDD	<i>[Signature]</i> 11/02/2020	V. good.
9	Sachin Dhande	FNDD - ODS	<i>[Signature]</i> 11/02/2020	Very good
10	Ram Masi	ARDL - ODS	<i>[Signature]</i> 11/02/2020	Good
11	Mangesh M. Godade	FNDD	<i>[Signature]</i> 11/02/2020	Good
12				
13				
14				

COMPANY CONFIDENTIAL
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 Copy No. 12
 02/02/2020

Page 14 of 28

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Mr. Punit Verma participated in National Level Pharma Employability Skill and has selected as Best Performer in UG Category

DPU
NATIONAL LEVEL PHARMA EMPLOYABILITY SKILL TEST
 WITH INDUSTRY PARTNERS
 Ayush Healthcare | MPlex Healthcare

SCHEDULED ON
 15 May Aptitude Test
 16 May Group Discussion
 17 May Telephonic Interview
2020

ORGANIZED BY
 TRAINING AND PLACEMENT CELL
DR. D. Y. PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH
 Pimpri, Pune-411 018 (M.M) INDIA

RESULT
BEST PERFORMERS UG CATEGORY

Congratulations

- MS. AYESHA KUBBRA**
 Shree Siddaganga College of Pharmacy
 Tumkur, Karnataka
 Department : *Clinical Research*
- MS. SHERIN JOSEPH**
 Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri
 Department : *Pharmacovigilance*
- MR. IRUDHYASAMY S.**
 Dr. M.G.R. Medical university
 Tamilnadu
 Department : *Production*
- MR. RISHIKESH PAWAR**
 Sinhgad Institute of Pharmaceutical Sciences, Lonavala
 Department : *QA / QC*
- MR. PUNIT VARMA**
 Guru Nanak College of Pharmacy
 Nagpur
 Department : *Regulatory Affairs*

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Dr. A. M. Itadwar
 Principal
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DPU

Dr. D. Y. Patil Unitech Society's
**DR. D. Y. PATIL INSTITUTE OF
 PHARMACEUTICAL SCIENCES AND RESEARCH**
 Sant Tukaram Nagar, Pimpri, Pune - 411 018 (MH) INDIA

Certificate
 OF APPRECIATION

This is to certify that, MR. PUNIT VARMA has selected as Best Performer in UG Category for Regulatory Affairs in "**National Level Pharma Employability Skill Test**" organized by Dr. D. Y. Patil Institute of Pharmaceutical Sciences and Research, Pimpri in association with industry partners AAYUSH Healthcare and MPrex Healthcare on 15th to 17th May 2020. His / Her participation is highly appreciated.

Dr. D. H. Nagore
 Founder and MD
 Mprex Healthcare

Mr. R. S. Shivtare
 Manager - R&D
 Aayush Healthcare

Dr. T. D. Nandgude
 T & P Officer

Dr. S. S. Chitlange
 Principal

Dr. A. M. Itadwar
 Principal
 Gurunanak College of Pharmacy
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Miss Ekta Tiwari and Mr. Rajdeep khadge has participated in Pharma Model Competition organised by Agnihotri College of Pharmacy, Wardha and secured fourth place.



Signature
Principal

Dr. A. M. Itadwar
Principal
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Jai Mahakali Shikshan Sanstha's

**Agnihotri College of Pharmacy
&
Agnihotri Institute of Pharmacy**

Jointly Organize
JMSS Sponsored,
National Symposium
On

EMERGING CAREER & ENTREPRENEURSHIP OPPORTUNITIES FOR PHARMA PROFESSIONALS ACROSS THE GLOBE

• **Certificate** •

This is to certify that, Dr./Mr./Ms. Kajdeep V. Ghadge
Class B. Pharma (11 yr) College Gurunanak college of Pharmacy
has participated as a Delegate/ Presented Pharma Model (Working/Non-Working) in National Symposium
held at Agnihotri College Campus, Wardha organized on 17th Jan. 2020 & secured VIIth place.

Dr. D. R. Mundhada
Convenor
A.C.P. Wardha

Dr. R. D. Bawankar
Co-ordinator
A.C.P. Wardha

Ms. K. B. Vyas
Co-ordinator
A.C.P. Wardha

Pt. Shri Shankarprasadji Agnihotri
President
Jai Mahakali Shikshan Sanstha, Wardha

Dr. A. M. Itadwar
Principal

Dr. A. M. Itadwar
Principal
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Mr. Yousuf Zaki has presented Innovative idea in
"InnoSpire 2019: A national level Competition for Rising Innovator's" organised by Rajashri Shahu College of Pharmacy.



[Signature]
Principal
Dr. A. M. Itadwar
Principal
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Mr. Yousuf Zaki has participated in
 "Avishkar: Intercollegiate Science Exhibition" organised by Priyadarshini J L College of Pharmacy.



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Academic Year 2017-2018

Mr. Kundan Singh participated in the 14th National Level Youth Parliament Competition
Sponsored by Ministry of Parliamentary Affairs Govt of India



Dr. A. M. Itadwar
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Dr. A. M. Itadwar
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Academic Year 2016-2017

Asawari Navghare completed the Distance learning Course organised by WIPO Academy.



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Harshada Hulke and others are guided for career planning and GPAT/Competitive Examinations”
Participated in State level Scholarship Examination 2017
& passed with flying colours



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Dr. A. M. Itadwar
Principal
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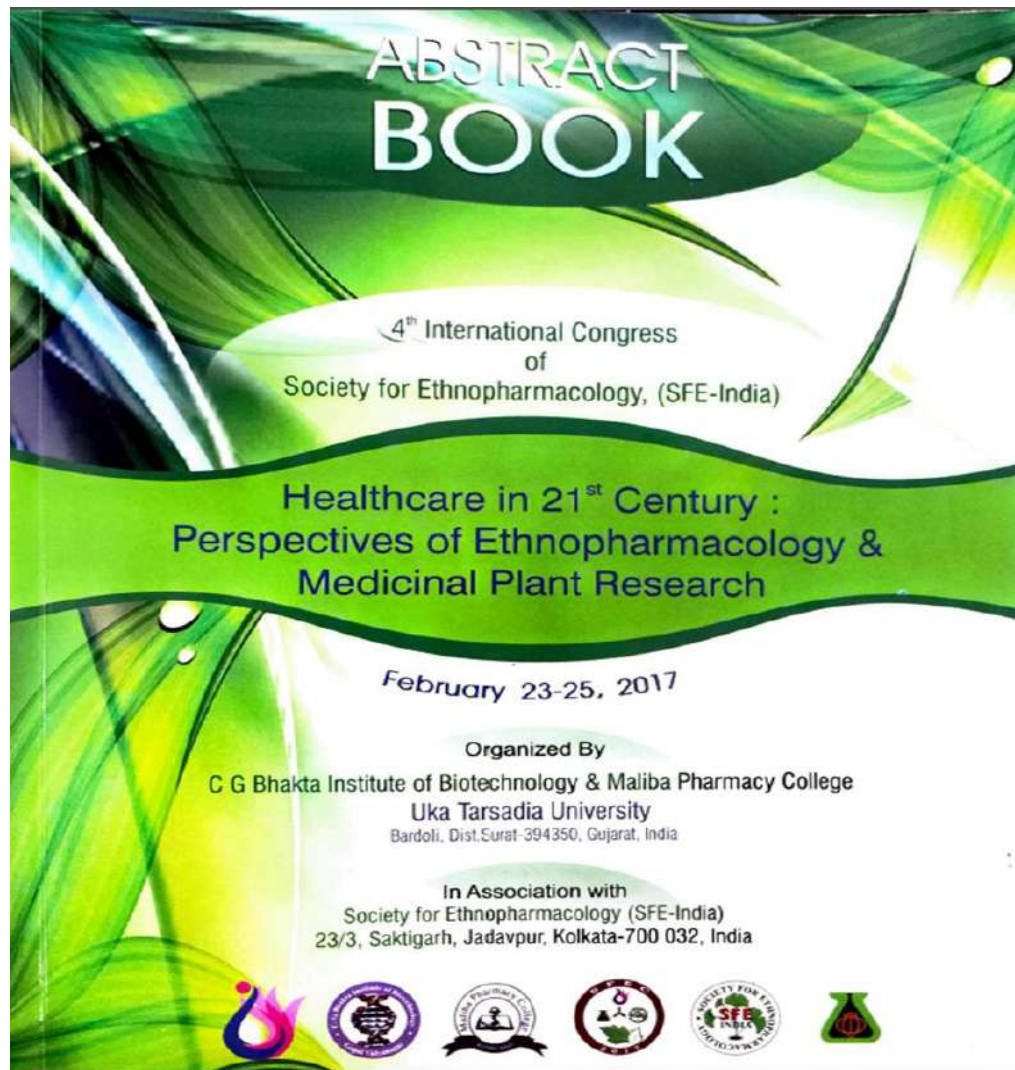


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Students are motivated to participate in the International Congress of Society for Ethnopharmacology (SFE-India)



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Abstract published in Souvenir

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**Anticonvulsant activity of *Sargassum ilicifolium*
(Brown Algae) in Mice**

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Abstract

Sargassum ilicifolium (SI) is a tropical and subtropical marine macroalgae (brown algae) found in coastal areas of India. This study investigated the anticonvulsant activity of *Sargassum ilicifolium* in maximal electroshock (MES) induced convulsion and pentylenetetrazole (PTZ) induced convulsion in mice. The result of present study indicated that chloroform extract (600 mg/kg) and ethanol extract (400 mg/kg and 600 mg/kg) of *Sargassum ilicifolium* significantly decreased the duration of tonic hind limb extension in MES model, as well as it significantly increased the latency to onset of convulsions in PTZ model. These results were comparatively similar with the effect of phenytoin (25 mg/kg) and phenobarbitone (20 mg/kg). This activity may be due to the presence of alkaloids, terpenoids, flavonoids, steroids and saponins in chloroform and ethanol extracts of *Sargassum ilicifolium*. However, further research will be necessary to investigate the exact mechanism underlying this anticonvulsant activity.

SFEC-17/PP/054A

**Ethnopharmacological Properties of *Helicteres
Isora*: A Review**

**Roshan Shahu, Minakshi Waghmare, Bhavana
Hirudkar, Roshan Ramteke and Bindu Jacob**

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Abstract

Helicteres isora Linn belonging to family Sterculiaceae, commonly called as Marorphali in Hindi, Avartani in Sanskrit. It is commonly found throughout India from Punjab to Bengal, Jammu to South India & in Pakistan, Nepal, Myanmar, Thailand, Sri Lanka. It gregariously grows in dry deciduous forest of central & western India up to 1500m on the hill slopes. *H. isora* is a rich source of antioxidants, carbohydrates, protein, fiber, calcium, phosphorus & iron. *H. isora* has been reported in traditional system of medicine, Ayurveda & folklore for its prominent medicinal properties. Numerous studies have revealed the presence of phenol, flavonoids, alkaloids, phytosterols, carotenoids, tannins, fixed oils & fats from different parts of plant. The roots and the bark are used as an expectorant, demulcent, constipating, lactifuge and useful in colic, scabies, gastropathy, diabetes, diarrhea and dysentery. The fruits are used as astringent, refrigerant, stomachic, antispasmodic, haemostatic and vermifuge. They are useful in griping of bowels.


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9. Representative photographs of lab work by students;



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