



VISHAL JUNNAR SEVA MANDAL'S
**VISHAL INSTITUTE OF PHARMACEUTICAL
EDUCATION & RESEARCH**

Dr. S. L. Jadhav
Principal

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P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers uses ICT-enabled tools including online resources for effective teaching and learning process





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1. EXPERIMENTAL LEARNING

1.1. PRACTICAL/ASSIGNMENT AND LABORATORY MANUAL





ज्ञानमया करोषी

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**1.1.1. LABORATORY RECORD
(B. PHARM)**



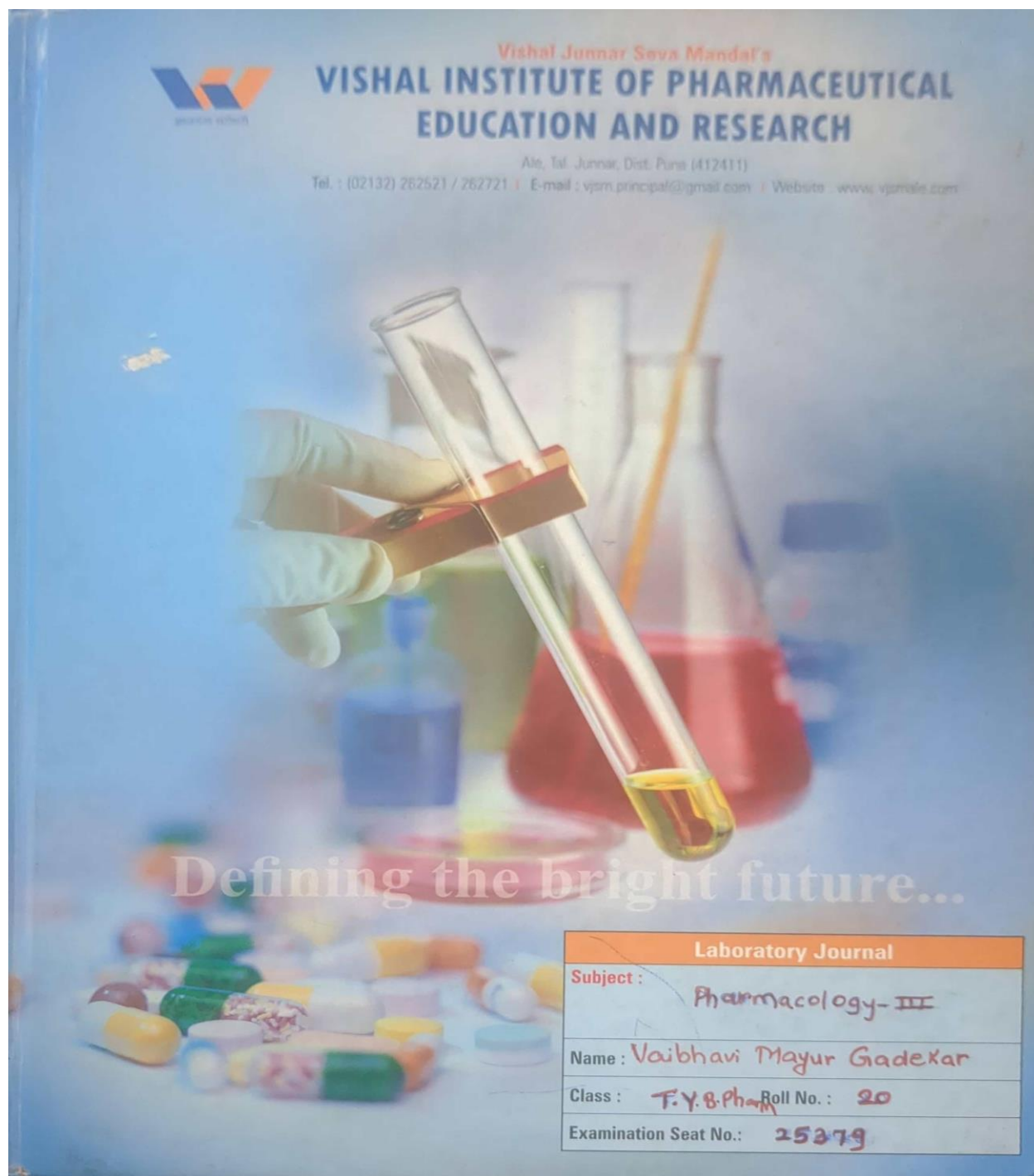


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Vishal Junnar Seva Mandal's VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH

At- Ale, Tal - Junnar, Dist - Pune Maharashtra - 412411

ADM/DI/00	Department :	Academic Year: 2023-24
RIV : 00	Pharmacology	
DATE : 30/04/2024	Lab Manual	

Sr. No.	Particulars
1	Certificate
2	General Instructions
3	Index
4	Experimentation





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ज्ञानं गन्तव्यं

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Vishal Institute of Pharmaceutical Education & Research, Ale					
Name : Vaibhavi Gadekar.		Class: T.Y		Roll No.: 20	
Examination Seat No.: 25399		Year : 2023-24			
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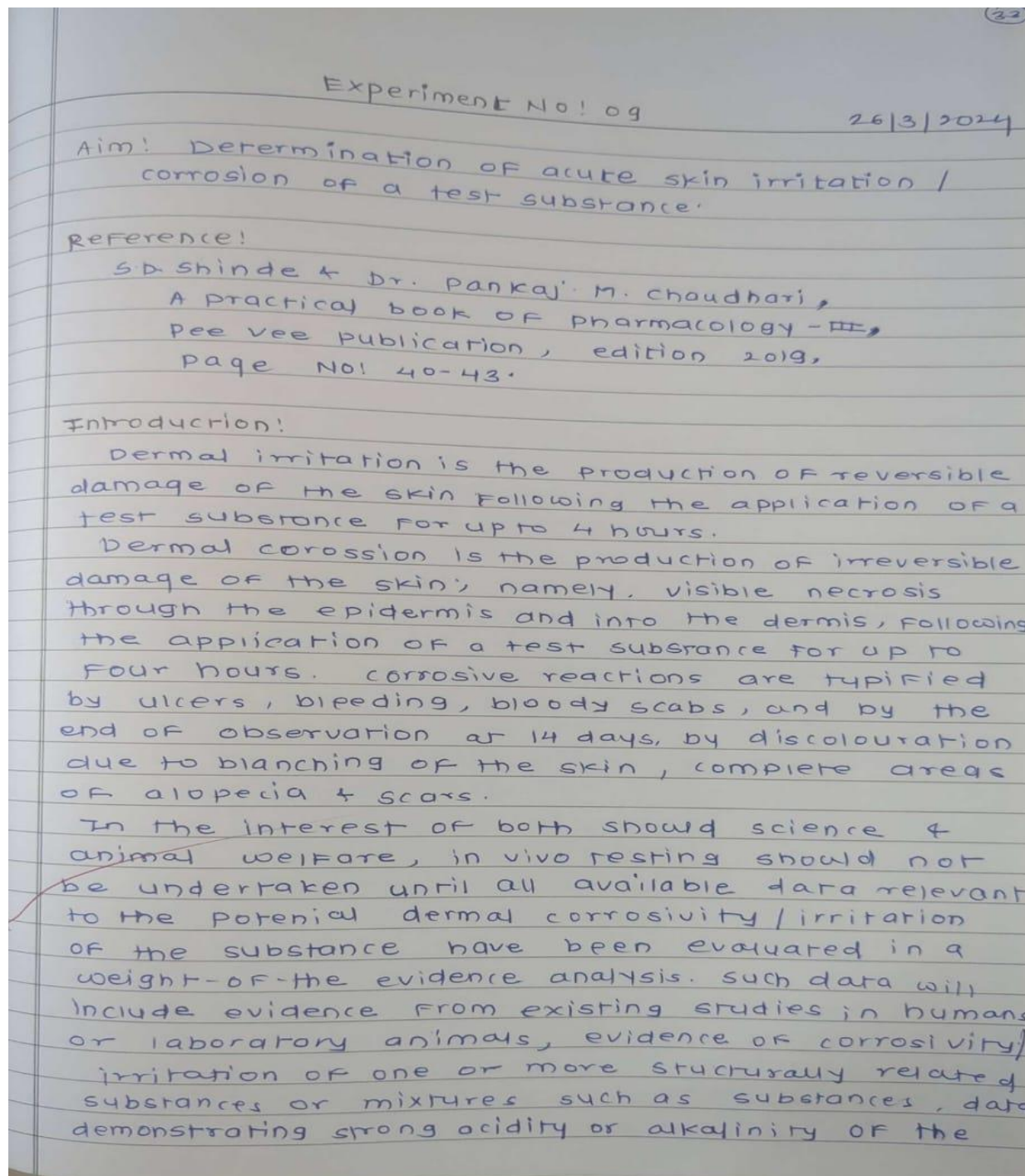


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substance and results from validated and accepted in vitro or ex vivo tests.

procedure!

As per OECD guidelines no 404.

preparations for the in vivo test -

- selection of animal species -
The albino rabbit is the preferable laboratory animal, and healthy young adult rabbits are used. A rationale for using other species should be provided.
- preparation of the animals -
Approximately 24 hrs before the test, fur should be removed by closely clipping the dorsal area of the trunk of the animals. care should be taken to avoid abrading the skin, and only animals with healthy, intact skin should be used. Such areas of dense hair growth should not be used as test sites.
- Housing and Feeding conditions -
Animals should be individually housed. The temperature of the experimental animal room should be 20°C ($\pm 3^{\circ}\text{C}$) for rabbits. Although the relative humidity should be at least 30% and preferably not exceed 70%, other than during room cleaning, the atm should be 50-60%.
Lighting should be applied in sequence being 12 hours dark.



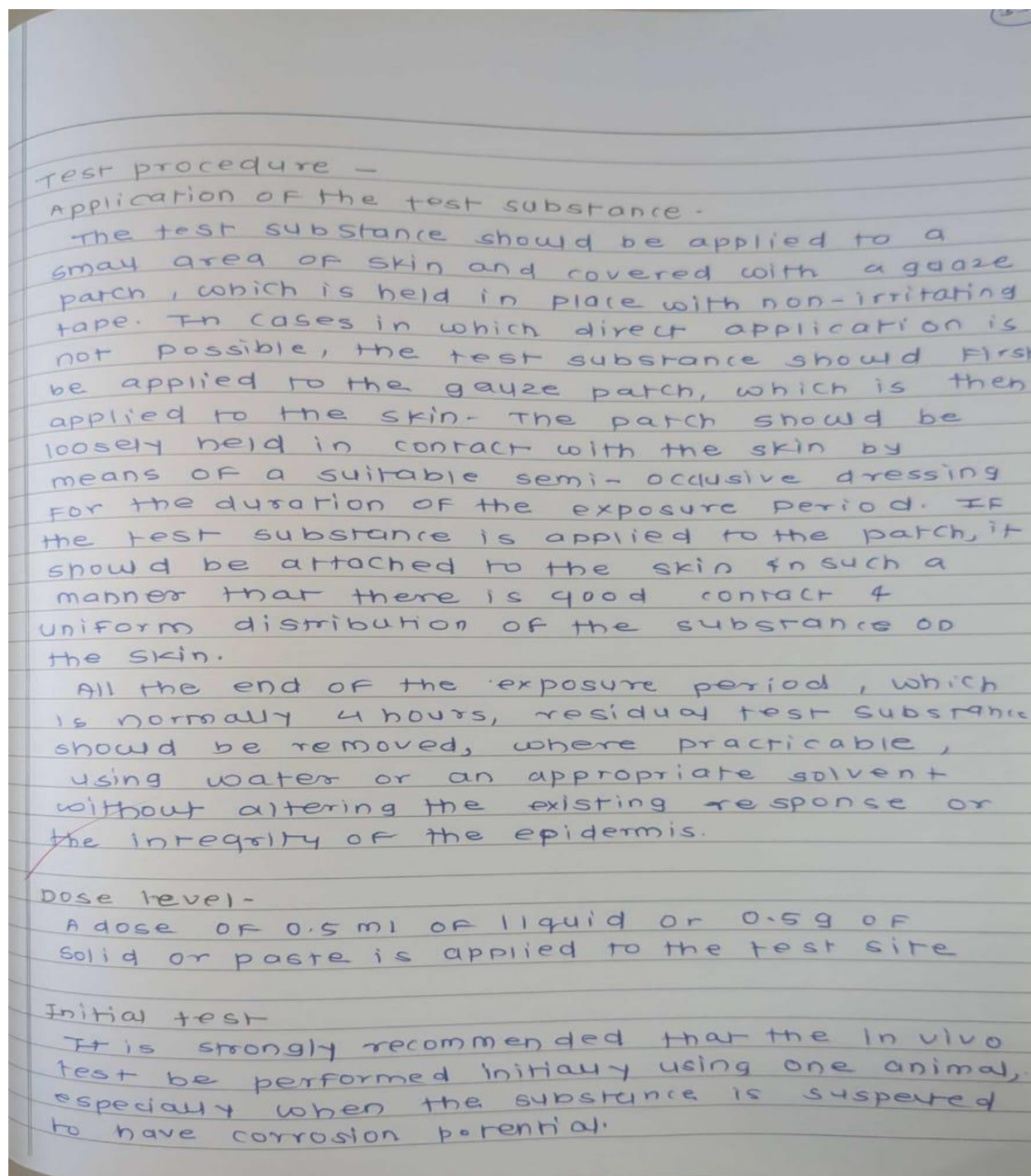


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When a substance has been judged to be corrosive on the basis of a weight of - the evidence analysis, no further animal testing is needed. For most substances suspected of being corrosive, further in vivo testing is normally not necessary. However, in those cases where additional data are felt warranted because of insufficient evidence, limited animal testing may be carried out using the following approach.

If a corrosive effect is observed after any of the three sequential exposures, the test is immediately terminated. If a corrosive effect is not observed after the last patch is removed, the animal is observed for 14 days, unless corrosion develops at an earlier time point.

Confirmatory test

If a corrosive effect is not observed in the initial test, the confirmatory test may be confirmed using upto 2 additional animals, each with one patch, for an exposure period of 4 hrs.

If irritant effect is observed in initial test, the confirmatory test may be conducted in sequential manner, or by exposing 2 additional animals. When 2 animals are used, if both exhibit same response, no further testing is needed.

Observation Table:- To determine reversibility of effects the animals should be observed up to 14 days after removal of patches. If reversibility is seen before 14 days, experiment should be terminated





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Grading and skin reaction.

Sr. No.	skin reaction	Grade
1.	No Erythema	0
2.	Very slight erythema	1
3.	Well defined erythema	2
4.	Moderate to severe erythema	3
5.	severe erythema (redness) to eschar formation preventing grading of erythema	4

Erythema & Eschar Formation.

Sr. No.	skin Reaction	Grade
1.	No oedema	0
2.	very slight oedema	1
3.	slight oedema (edges of area well defined by definite raising)	2
4.	Moderate oedema (raised approximately 1mm)	3
5.	severe oedema (raised more than 1mm & extending beyond area of exposure)	





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at time.

clinical observation & grading of skin reaction –
All animals, should be examined for signs of erythema & edema, & response record at 60 min, & then at 24, 48 & 72 hrs after patch removal. Damage skin cannot be irritation at 72 hrs, observation – until day 14 to determine. observation of irritation, local toxic effects such as defatting skin, & systemic adverse effects are recorded.

The grading of skin responses is necessarily subjected. The personnel performing observation need to be trained in scoring system used.

Evaluation of results –
The dermal irritation scores should be evaluated in combination with the nature of severity of lesions, & their reversibility or lack of reversibility. The individual scores do not represent an absolute standard for irritant properties of material, as other effect of test material are also evaluated. Instead individual scores should be viewed as reference which needs to be evaluated in combination with all other observation from the study.

Reversibility of dermal lesion response when considered in evaluating, irritant response such as alopecia limited area, hyperkeratosis, hyperplasia & scaling, continue to end of the in day observation period, The test chemical should be considered as irritant.



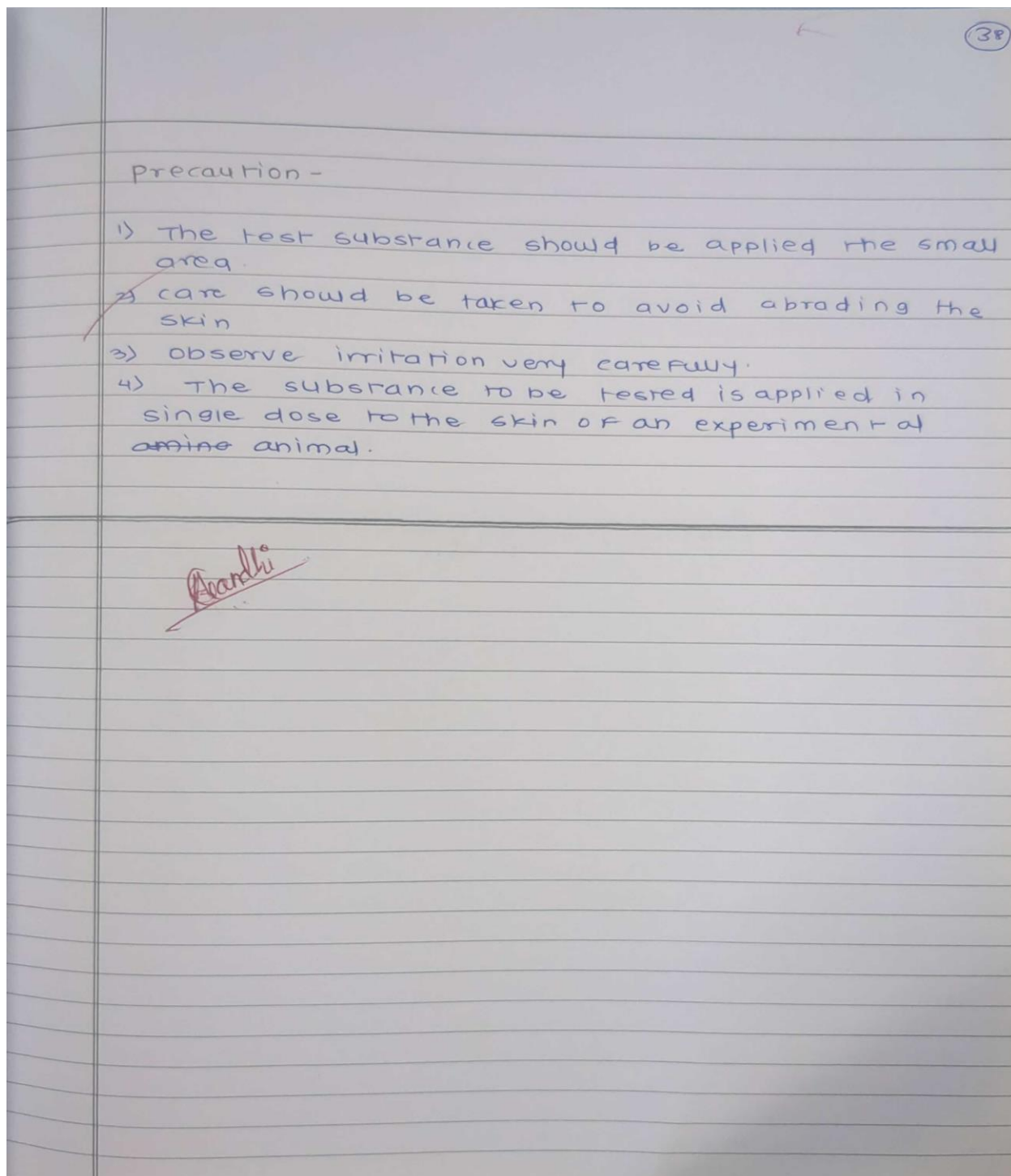


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ज्ञानं गंगा धरोवरौ

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**1.1.2. LABORATORY RECORD
(M. PHARM)**



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Defining the bright future...

Laboratory Journal	
Subject : Pharmaceutical Quality Assurance Practical - I	
Name : Abhang Pranali krushna	
Class : 1 st yr m ph	Roll No. : 01
Examination Seat No.: C 454	





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At- Ale, Tal - Junnar, Dist - Pune Maharashtra - 412411

ADM/DI/00	Department : Pharmaceutical Quality Assurance Practical -I.	Academic Year: 2023-24
RIV : 00		
DATE :	Lab Manual	

Sr. No.	Particulars
1	Certificate
2	General Instructions
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4	Experimentation





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Vishal Institute of Pharmaceutical Education & Research

Ale, Tal.: Junnar, Dist.: Pune - 412 411.

(Degree Course)

Certificate

*This is to certify that,
Mr. / Mrs. / Miss Abhang pranali krushna
Exam Seat No. 6454) has satisfactorily carried out the required
practical work, prescribed by University of Pune, for First / Second / Third
/ Final year B. Pharmacy Course in the subject Pharmaceutical Quality Assurance
during academic year 2023 - 2024 and this journal represents his / her work with
in the four walls of this Institute.*

Date: 23 / 01 / 2024

Student
Photo

Subject In Charge

Examiner

Principal





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GENERAL INSTRUCTIONS: DO'S AND DON'T'S

- Before commencing work, make sure of what is to be done and how it is to be done.
- Mind your own work and carry it out quietly and diligently. Stay on with your work and do not wander
- Handle only the piece of apparatus or equipment authorised for your use. Unauthorised use of equipments/instruments will cause embarrassment.
- Plan your work in advance and provide yourself with the required items such as fractional weight box, tool box, duster cloth/ observation note book and journal.
- Pay attention to the following while in the laboratory.
 - Care should be exercised while working with chemicals-liquid or solid. No chemical need to be touched with hand or brought in to contact with body.
 - Water taps and gas taps should be kept open only when they are in use.
 - Laboratory waster such as broken pieces of glass, used filter sheets and solid or liquid wastes must be disposed off as instructed, in suitable waste bins.
 - Report any accidents immediately to the teacher in -charge.
 - When the day's work is completed, make sure to clean any apparatus used and the work -table When a locker is provided, have your apparatus secured in it.
- On completion of the work, have observations checked and reviewed by the teacher in - charge
- When experiments are completed, make a neat record of the details in your journal and submit them as instructed

USE OF CHEMICAL BALANCE

- For the better accuracy maintain cleanliness of balances.
- Before using the balance, check whether.
 - The level as indicated by plum-line is correct.
 - The needle moves freely and equally to the sides on release.
 - The object to be weighed is at room temperature.
- Report any defects noticed in the working of the balance or loss proper weights in the weight box.
- The correct procedure to weight to place the object in the left pan and the counterpoising weight in the right pan, keeping the weight box at the right (for a right hander, of course !)
- Lift the weights to and from the weight always in your observation note book (not in your plan or a slip) The exact weights acn be noted by check- ing the weight on the pan double checked from the empties in the weight box, This will help organise the weights back in their proper place.

IN CASE OF AN ACCIDENT

A) Burns

1. Burns caused by dry heat (e.g. by flames, hot objects etc.)

For slight burns in which the skin is not burnt, apply Burnol. For mor sever burns call for medical aid.

2. Acid on the skin:

Wash immediately and thoroughly with liberal quantity of water, then with saturated sodium bicarbonate solution and finally with water.

3. Alkali on skin:

Wash immediately with a large volume of water, then with 1% acetic, and finally with water.

4. Bromine on the skin (Serious):

Wash the affected part immediately with cloth / cotton sponge spaked in light petroleum and then rub glycerine well in to the skin. After a little while, remove the superficial glycerine and apply Burnol.

(Turn over)





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5. Sodium on the skin:

If any small fragment of sodium can still be seen, remove it carefully with forceps. Wash Thoroughly with water, then with 1% acetic acid, and finally with water.

6. Organic substances of the skin.

Wash with cotton / cloth soaked in rectified spirit, then with soap and warm water.

B) Cuts.

If the cut is only a minor one, allow it to bleed for a few seconds, make sure that no glass particles remain. Apply a disinfectant (rectified spirit or Dettol) and bandage.

For serious cuts, send for a doctor at once, meanwhile, wash disinfectant and check bleeding by applying pressure immediately above the cut. Continuous pressure should not be maintained for more than five minutes

C) Eye Accidents.

In all cases, the patient must see a doctor, if the accident appears serious, medical aid should be summoned immediately while first aid is applied.

1. Acid in the eyes, if the acid is dilute.

Wash the eye repeatedly with 1% sodium bicarbonate solution in the eye cup.

If the acid is concentrated.

first wash the eye with a large amount of water and then continue with bicarbonate solution

2. Caustic alkali in the eye. (Serious)

Proceed as for acid in the eyes, but wash with 1% boric acid solution in place bicarbonate solution do not neglect. Consult a physician.

3. Bromine in the eye. (Serious)

Wash thoroughly with water and then immediately with 1% sodium bicarbonate solution.

4. Glass in the eye.

Remove loose glass very gently with forceps or by washing with water in an eye cup. Call for a doctor immediately.

D) Fire.

Inflammable solvents should handled carefully.

1. Carbon tetrachloride should not be used if sodium or potassium is present as violent explosions may result.
2. The laboratory must be ventilated immediately and well.
3. For burning oil or organic solvents, do not use water as it will spread the fire, Mixture of sand and sodium bicarbonate is very effective. Dry Powder Extinguisher is available in laboratory.

E) Poisons.

Solids or liquids.

1. In the mouth but not swallowed: Spit out at once and wash repeatedly with water.
2. If swallowed: call a doctor immediately. In the meanwhile, give an antidote according to the Nature of the poison
- A) Acid (including oxalic acid) Dilute by drinking much water, followed by lime water or milk Of magnesia.
- B) Caustic alkalis: Dilute by drinking much water, followed by vinegar, lemon or orange juice, or solution of lactic acid or citric acid, Milk may then be given but no emetics.
- C) Salts of heavy metals: Give milk or white of an egg.
- D) Arsenic of mercury compound: give an emetic immediately, e.g. one teaspoonful of mustard, or one teaspoonful of salt or zinc sulphate, in a cup of warm water.

F) Gas :

Remove the victim to the open air loosen clothing at neck. T counter act chlorine or bromine fumes if inhaled in only small amounts, inhale ammonia vapour or gargle with sodium bicarbonate solution. Afterwards, the patient should suck eucalyptus oil soaked cotton swabs or drink warm dilute peppermint or cinnamon essence to then the throat and lungs If breathing has stopped, apply artificial respiration, call medical aid immediately





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Name : Pranali Krishna Abhang Class: F.Ymph Roll No.: 01
Examination Seat No.: 6454 Year : 2023-2024

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13.	To determine the conc. of potassium Ion in ORS powder Formul ⁿ by flame photometer.	05/12/23	76	19	
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Serial No.	Title of the Experiment	Date	Page No.	Marks	Signature of Staff
16.	In-process Quality Control of Capsules.	09/12/2023	86	19	<i>[Signature]</i>
Completed <i>[Signature]</i> 23/10/23					





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Experiment No:- 01

29/09/2023

Aim :- Introduction and specification of UV
Visible spectrophotometer (Shimadzu
UV 1800)

Specifications :-

Sr. No.	Parameters	Specifications
1.	Wavelength range	190nm ~ 1100nm
2.	Spectral band width	2.0 nm (Fixed)
3.	Resolution	2.0 nm
4.	Display of wavelength	0.1 nm increment
5.	Setting of wavelength	The start wavelength & end wavelength in scanning can be set in increment of 1nm. With the Go to Wl Commands. Wl can be set in increment of 0.1 nm.
6.	Wavelength Accuracy.	+/- 0.3 nm (486.0 nm, 656.1nm Deuterium lamp) Automatic Wl calibration is possible.
7.	Wavelength repeatability	+/- 0.3 nm





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Specifications :-		
Sr. No.	parameters	Specifications
8.	Wavelength Scanning Speed	In case of WL setting by Go to WL Command Ca. 6000nm/min Fast Ca. 2800nm/min (i 2nm Samp. interval) Fast ca. 1700 nm/min (T auto. Samp. interval) middle Ca. 500nm/min Slow Ca. 300 nm/min Very slow ca. 200nm/min
9.	Sampling Interval	0.1, 0.2, 0.5, 1.0, 2.0, Auto (Auto. The interval is automatically calculated & rounded to a value nearest to the other five intervals available.)
10.	Switching of light Source	The light sources switch automatically in conjunction to WL scanning. The WL at which the light sources are selectable in range of 295 nm to 355 nm in 0.1 nm increment.





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<u>Specifications :-</u>		
<u>Sl. No.</u>	<u>parameters</u>	<u>Specifications</u>
11.	Stray Light	Less than 0.05%. (220nm NaI log 11. H ₂ O) Less than 0.05%. (340nm UV-3g filter)
12.	Photometric System	Double beam Configuration.
13.	Photometric Range	Absorbance - 0.5 ~ 3.99 Abs Transmittance - 0 ~ 300.0 T%
14.	Recording Range	Absorbance - 3.99 ~ 3.99 Abs. (0.001 Abs of full scale in max. expansion.) Transmittance - 3.99 ~ 3.99 T%.
15.	Photometric Accuracy	+/- 0.002 Abs. at 0.5 Abs. these are determined. +/- 0.004 Abs. at 1.0 Abs using the NIST reference filter SRMg 30 D.
16.	Photometric Repeatability	+/- 0.001 Abs at 0.5 Abs +/- 0.002 Abs at 1.0 Abs





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<u>Specifications :-</u>		
<u>Sr. No.</u>	<u>parameters</u>	<u>Specifications.</u>
17.	Automatic zero setting function	One touch setting is available & auto-zero command.
18.	Difference of baseline	Less than 0.001 Abs/h (after 2 hrs warmup)
19.	Detector	SiPD - Silicon photodiode
20.	Baseline flatness	$\pm 1 - 0.002$ Abs. except shock noise.
21.	Light source	50w Halogen lamp (long life type 2000H) Deuterium lamp (socket type). Automatic position alignment for position maximum sensitivity.
22.	Monochromator	Aberration collection Concave blazed holographic grating is used.
23.	Sample Compartment	Dimension : 110 H x 230 D x 165 H mm Beam separation : 100 nm maximum available path length for cell : 100 nm. Beam size 14*10 mm at the center.





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<u>Specifications :-</u>		
<u>Sr. No.</u>	<u>parameters</u>	<u>Specifications.</u>
24.	Ambient temperature	15° - 35°C
25.	Ambient humidity	45% - 80% (less than 70% at temp. higher than 30°C)
26.	Power requirement	AC 100V, 120V, 220V, 230V, 240V, 50/60Hz
27.	Dimension	(Optical beam) photometer unit (550H x 470D x 200H mm)
28.	Weight	photometer unit - 17 kg
29.	Basic Instrument methods	Spectrum, kinetic (including time course), photometric (including quantitative), film thickness (optional software)
30.	File function	Open / save / save as. ASCII Export / Import (spectrum only)
31.	Data processing	Arithmetic calculation of spectrum & const. value Arithmetic calculation betn two spectra Smoothing. Differential 1 st - 4 th order





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<u>Specifications :-</u>	
<u>Sr. No.</u>	<u>parameters</u>
31.	Data processing
	1/y Calculation Long Calculation A $\longleftrightarrow$ T % Energy $\longleftrightarrow$ T % Kubelka - Munk (for R%) Blank Subtract Data print pick peak point peak peak Area Crop Scan Average Working Curve Activity Calculat ⁿ (Kinetics)

Result:- Introduction to UV visible Spectrophotometer was done.

<u>Sr. No.</u>	<u>Attendance</u>	<u>Performance</u>	<u>Result</u>	<u>Viva</u>	<u>Total</u>
Marks Given	05	05	05	05	20
Marks obtained	05	04	04	05	18





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1.1.3. ASSIGNMENT (B.PHARM)





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Name: Dere Aditi Anil.
Roll No: 14.
Pharmaceutical Quality Assurance

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Date _____

Q1 Solve any Five.

1) Write Objective of quality Control.

It is system of maintaining Standard in Manufactured product by testing a sample of Output against the Specification.

Objective of Quality Control →

- 1) To establish the desired quality Standard which are acceptable to Customer and Consumer
- 2) To make a plan for execution, the economical production of high quality product at the quality level the Customer want.
- 3) It accelerate the Sale of good by Supplying Only the quality good.
- 4) To analyze the trend and extent of quality deviation in Manufacturing process.
- 5) increase employee motivation.
- 6) promote team work in group.

1.2) Write Responsibility of quality assurance.

Responsibility of Quality Assurance -

- 1) Check properly Manufacturing process
- 2) Take batch record review.
- 3) It also responsible For making the master plan of entire process
- 4) It is also responsible For Stability testing & Shelf life evaluation
- 5) During process deviation & recorded, investigation Recorded.





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4) arrangement are made for manufacturing supply and Used of correct starting & Packing material.

1.3) Differentiate between QA and QC-

Quality Control.	Quality assurance
It focus on finding defect in finished product	It focuses on process to prevent defect
QC is product Oriented.	QA is process Oriented
QC is Corrective tool	QA is managerial tool.
It find and eliminate Source of quality defect using tools & equipment	It set up a good quality mangement system & assessment of its adequacy.
ex: Validation software testing	Verification.

1.4) Write the Objective of QBD.

- 1) To acheive the quality of product
- 2) Reduce error
- 3) Cost reduction.
- 4) Increase manufacturing efficacy
- 5) To ensure positive performance of testing.



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6) Ensure combination of product and process knowledge gained during development.

1.5) Write the Function of CDSCO -

Function of CDSCO are as follows.

- 1) Approval of new drug
- 2) Import registration and licensing
- 3) Banning of Drug
- 4) Testing of Drug by Central lab
- 5) Publication of Indian Pharmacology
- 6) Monitoring of adverse Drug reaction
- 7) Change to drug and Cosmetic rules.
- 8) Guidance on technical matter.

1.6) Which point are Considered in selection of equipment.

- equipment must be designed Constructed and Maintain in Such a way that it Suits the Operations to be Carryout.
- The layout and design of equipment must aim to minimize the risk of errors and permit effective Cleaning.
- maintenance of equipment is necessary in order to avoid Contamination
- production equipment Should be thoroughly Cleaned on Schedule basis
- Laboratory equipment and instrument should be Suited to testing procedure Undertaken





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- washing, cleaning and equipment should be choosen used so as not to be a source of Contamination.
- Balance and other measuring equipment should be calibrated.
- Fixed pipe work should be clearly labeled to indicate the content and where applicable, the direction of flow.
- all service piping & device should be adequately marked.

1.7) write factors in Purchase Specification-

The Purchase of Starting material is an important operation that should involve staff who has a knowledge of products and suppliers.

- Starting material should be purchased only from approved suppliers.
- Specification established by the manufacture for starting material should be discussed with Supplier & Manufacture.
- For each consignment, the container should be checked for at least integrity of package & seal.
- All incoming material should be checked to ensure that consignment to ensure the correspond to the order.
- Container should be cleaned & label with prescribed information.
- additional label are attached to container will not destroy or lose original information of label.





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- Damage or any other problem to the Container will affect the Quality of a material that should be Recorded & Reported to Quality Control department & investigated.
- Starting material in the Storage area should be appropriately label.
- If One delivery of material is made up of different batches then each batch must be Considered as Separate for Sampling, testing & Refuse.

Que-2 Solve Any One-

2.1) Write in brief about Responsibility of Various department heads.

There are mainly 3 key personnell

- ① head of Production
- ② head of Quality Assurance
- ③ head of Quality Control.

Responsibility of Personnell -

- Individual Responsibility should be Clearly defined & Understood by person Concerned and Record as written description.
- all personnell should aware about principle of GMP that effect them & Recieve initial & Continwing training hygiene instruction
- all personnell should be motivated to support the establishment & maintaince of highly quality Standard.





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-Step should be prevent Unauthorized people From entering in production, Storage & Qc area.

Responsibility of Head of Production Department:-

- to ensure the products are produced & Stored in accordance with appropriate documentation in order to obtain quality product.
- To approve the instruction Related production Operation & Strict implementation is ensure
- To ensure that product Records are evaluated and Signed by designated person.
- To check the maintenance of department premises & equipment.
- To ensure the appropriate process Validation & Calibration of Control equipment are performed & Reported is made available.
- To ensure the Required initial training of product perssonnel is Carried Out & adapted according to need.

Responsibilities of head of Quality assurance

- 1) Development GMP Quality System & implement then properly monitor and audit should Properly maintain
- 2) GMP compliant document Control are properly developed & Control
- 3) Regulatory agency Visit the industry & perssonnel & other document should be Ready





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4) SOP For department mainly developed by Head of Quality assurance department

5) Approve all raw material and packing material after QC Result is Responsibility QA head.

Responsibility of Head of Quality Control Department.

- 1) Quality control test For all raw material, bulk product to be performed and Result data maintain and provide to QA department For approval.
- 2) evaluation of batch of product
- 3) evaluation of testing are carried Out is to be ensure by QC department.
- 4) To approve and monitor analyse carried Out Contract

Joint Responsibility of Department:

- 1) authorization of written procedure and other document including amendment
- 2) monitoring & Control of manufacturing environment.
- 3) Plant hygiene.
- 4) Process Validation & Calibration analytical apparatus.
- 5) training, including the application and principle of QA.
- 6) approval and monitoring of Suppliers of Material
- 7) approval & monitoring of Contract Manufacture.



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2.2) What are premises & write in detail about how to maintain sterile area and explain in details about Control of Contamination.

→ Premises.

- In Industry manufacturing Operation must Carried out Under Clean & hygienic Condition. Special Care take to avoid Contamination. Therefore, (location, design, Construction & layout) of premise Vital Part of GMP regulation.
- Premises refers to building of facilities where Pharmaceutical processing done

Design & Construction:

- 1) Design, Construction & maintainence of building Should be in manner allow the production in hygienic Condition
- 2) An adequate area for Placement of material, equipment & movement of personnel.
- 3) It protected from Birds, Animal, Pest.
- 4) Smooth, water proof, Crack Free walls & Flooring to allow easy cleaning, Painting, disinfection & Surface must not shed particle
- 5) Adequate lighting, proper Ventillation, Air handling system to maintain temp. & humidity
- 6) proper water system.
- 7) location Should be good Free From the Contamin-ation (Dust & Smoke).



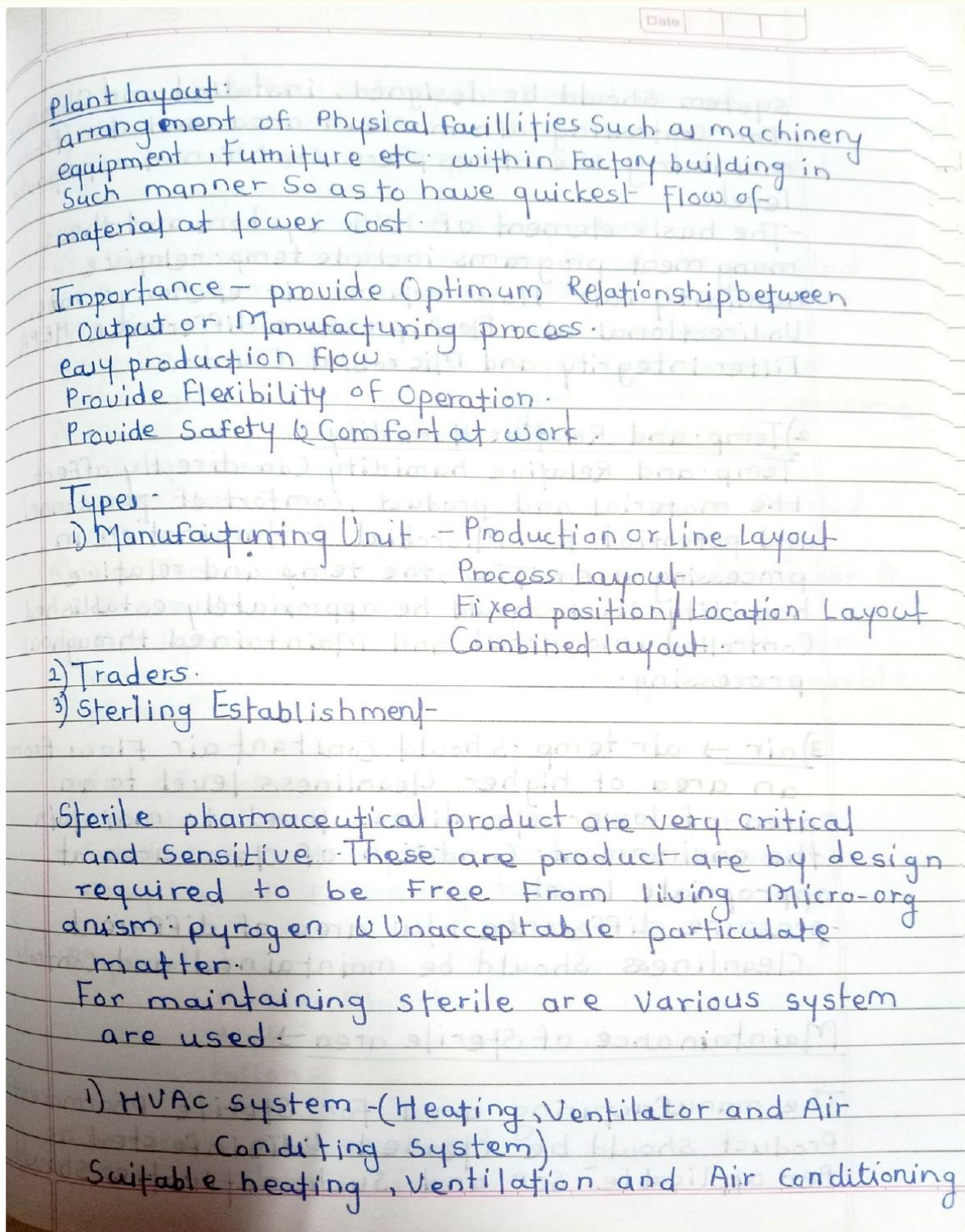


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System should be designed, installed and Observed
For Controlling air in clean area and also from
maintaining the atmosphere Condition at appropriate
level.

-The basic element of HVAC system and these
management programs include temp. relative
humidity, air Flow volume air exchange rate,
Unidirectional air Flow, pressure difference HEPA
Filter integrity and Microbial Count.

2) Temp. and Relative Humidity

Temp. and Relative humidity Can directly affect
the material and product, comfort of perssnnel
and potential for Microbial Contamination in
processing area. Thus, the temp and relative
humidity level should be approximately established
Controlled, monitored and Maintained throughout
processing.

3) air → air temp. should constant air Flow from
an area of higher Cleanliness level to an
area of lower Cleanliness level to maintain
the environment. Condition of clean area at
appropriate level.

-pressure difference b/w area of different
Cleanliness should be maintained and Control.

Maintainance of Sterile area →

The manufacturing area for Sterile Pharmaceutical
Product should be cleaned & disinfected as
Per applicable SOP and Such activities should.





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be recorded in writing & retained in archive.

- 2) Clean room should have minimum personnel
- 3) All personnel working in this area should have regular training
- 4) Personnel - hygiene is important
- 5) Clean room of sterile area should be provided of Filtration air exchanges & positive pressure Order to maintain Clean environment
- 6) Sterile area should be clean Frequently & thoroughly with air approval written programme
- 7) Monitoring should be regular to detect Contamination
- 8) Appropriate cleaning Validation should be Carried Out
- 9) Disinfect and detergents used should be Grade A & B are should be Sterile before Use.
- 10) Fumigation of Clean area may be useful for reducing microbial Contamination in inaccessible place.

Control of Contamination

- contamination is the presence of any Foreign Substance in the product and Contamination may be of following type.

Physical - hair
Foreign Object
dirt
Pollens.

Chemical - cleaning agent
lubrication



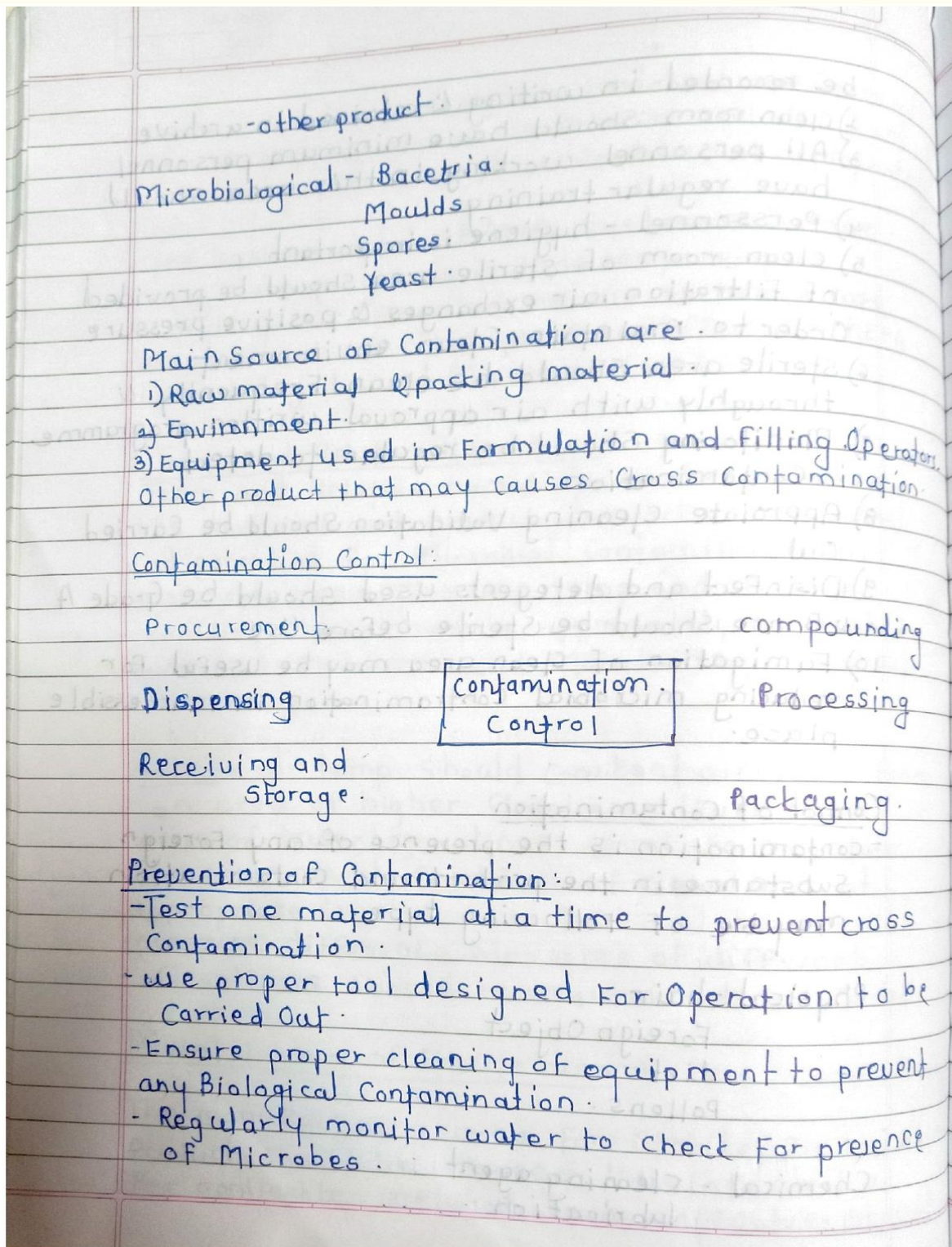


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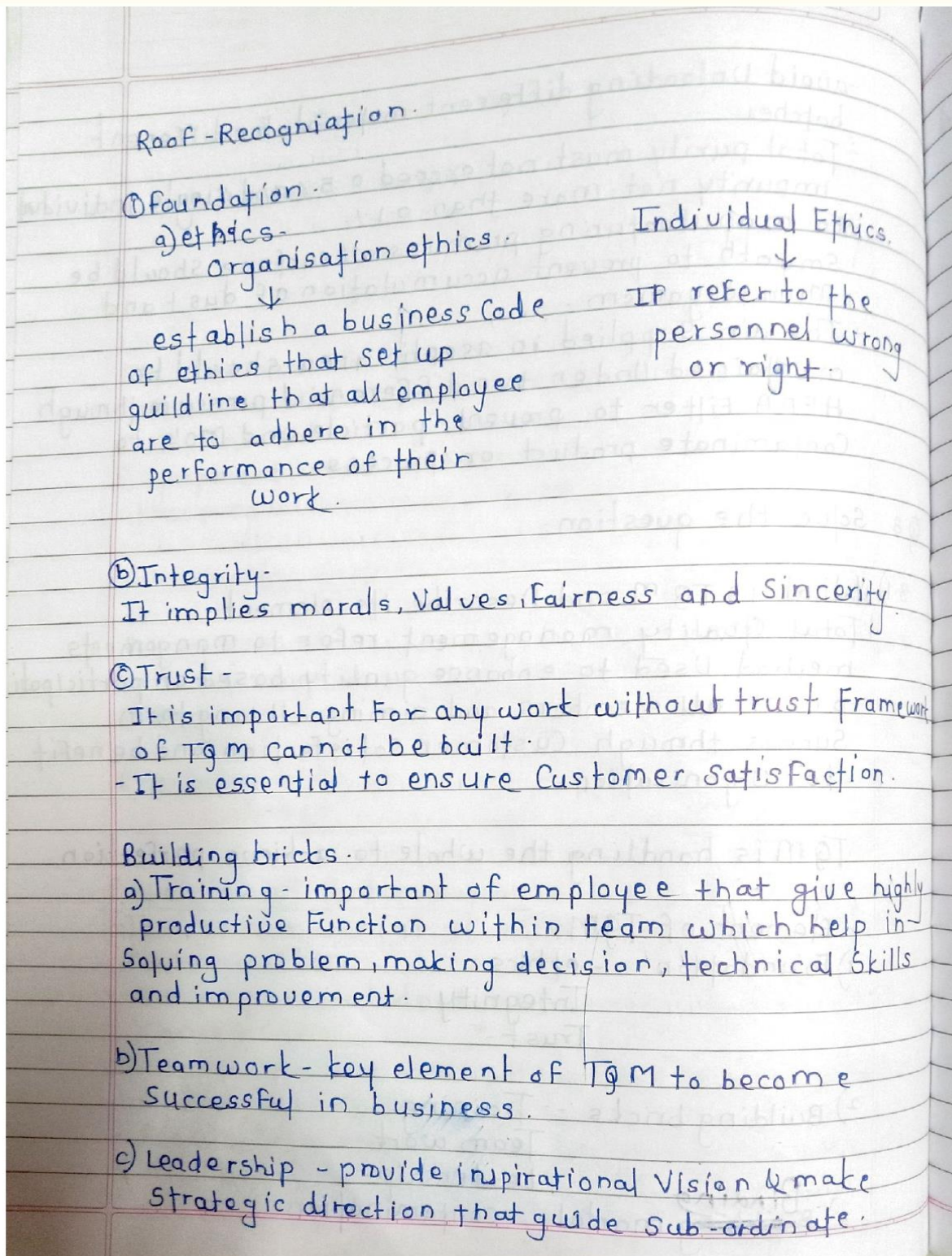


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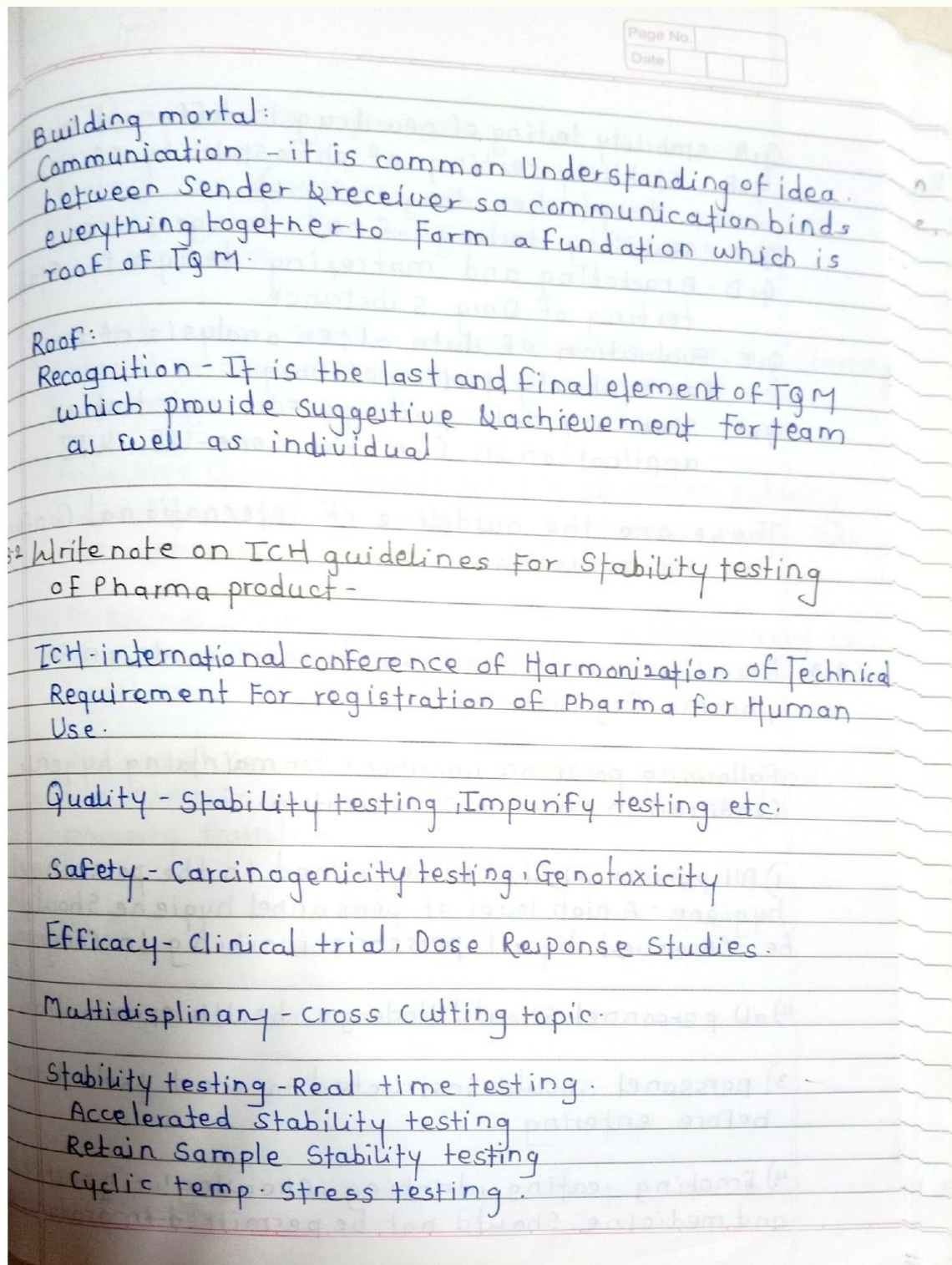


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- Q1A - stability testing of new drug in different environment
 Q1B - stability testing of photostability of New drug (when drug in light)
 Q1C - stability testing of new dosage form.
 Q1D - Bracketing and matrixing design for stability testing of Drug substance.
 Q1E - Evaluation of data after analysis of Drug for stability testing of Drug.
 Q1F - stability data package for registration application in Climatic zone - III & IV.

These are the guideline of international Conference on Harmonization.

- 3.3) Describe how to maintain 'hygienic condition in pharma Organization

Following point are important for maintaining hygienic Condition in Pharma - Organization.

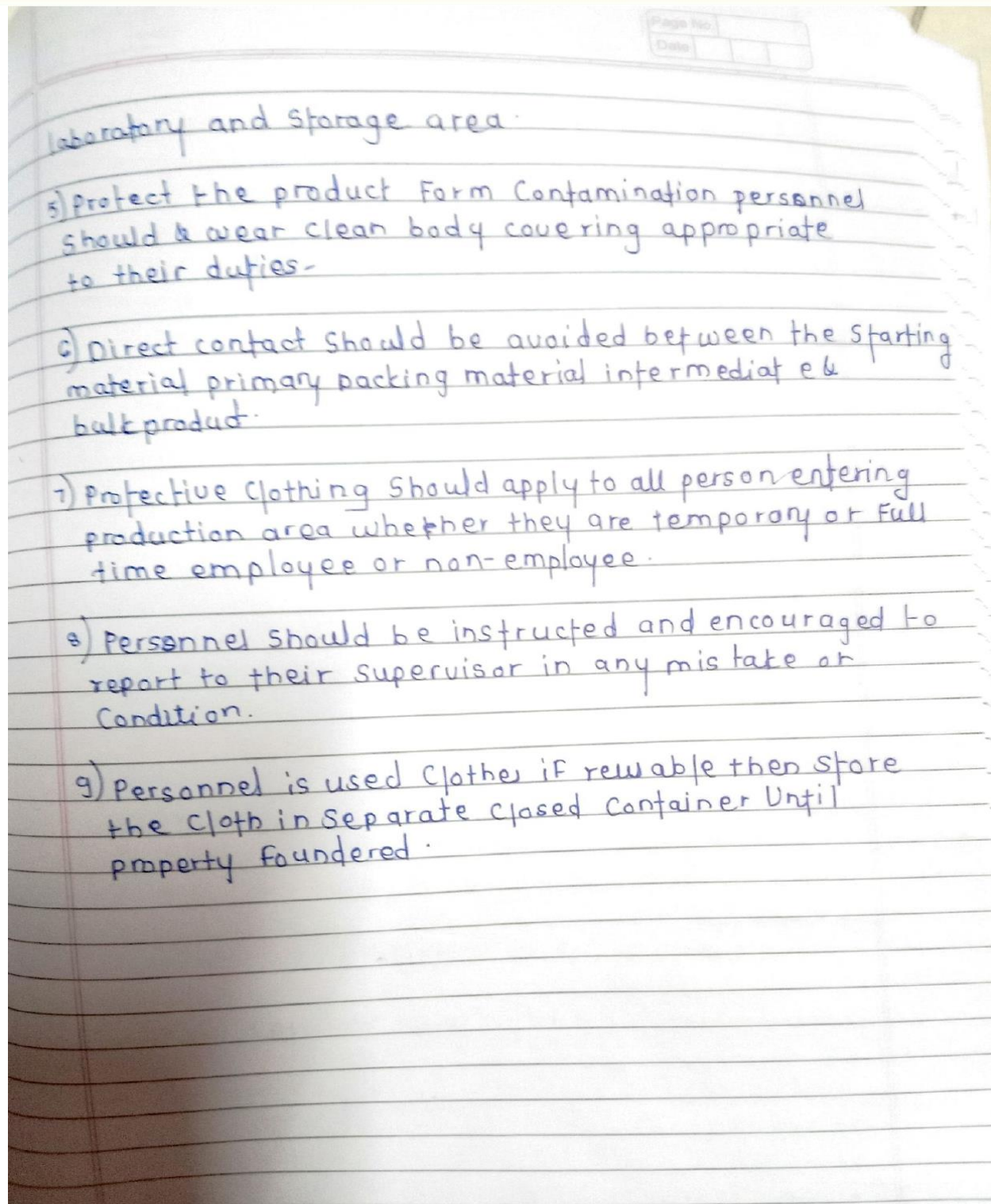
- 1) All personnel should be trained in the personnel hygiene - A high level of personnel hygiene should be observed by all personnel working in Company.
- 2) all personnel should Undergo health examination
- 3) personnel should instructed to wash their hand before entering
- 4) Smoking, eating, drinking, chewing, cigarettes and medicine should not be permitted in production



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1.1.4. ASSIGNMENT (M.PHARM)



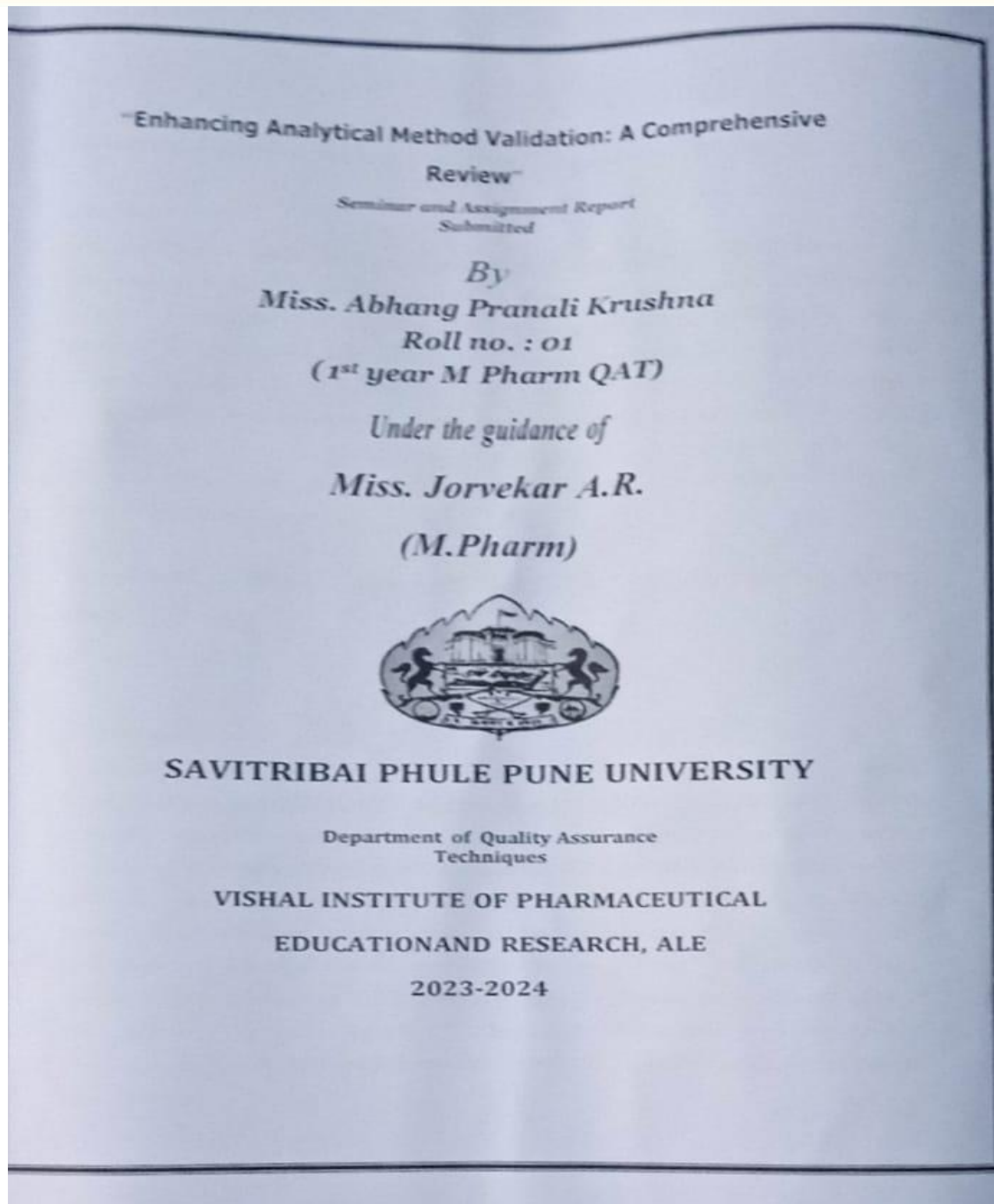


VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

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Enhancing Analytical Method Validation: A Comprehensive Review

Abstract

Analytical method validation is a critical process in ensuring the reliability, accuracy, and consistency of analytical procedures used in laboratories. This study presents a comprehensive validation approach for a new analytical method, adhering to regulatory guidelines and industry standards. Key parameters such as accuracy, precision, specificity, linearity, range, limit of detection (LOD), limit of quantitation (LOQ), robustness, and system suitability were systematically evaluated. The method demonstrated excellent performance across all validation parameters, confirming its suitability for routine application in the targeted analytical context. The results affirm the method's capability to produce reliable data, ensuring the quality and safety of the analyzed products.

Key words: Accuracy, Linearity, LOD, Method validation, Precision, System suitability studies

Introduction:

Validation is the documented act of proving that any procedure, process, equipment, material, activity or system actually leads to the expected result. Analytical method validation is a process of documenting/proving that an analytical method provides analytical data acceptable for the intended use. A pharmaceutical drug product must meet all its specifications throughout its shelf-life. The primary objective of analytical method validation is to ensure that an analytical procedure is suitable for its intended purpose, providing reliable, accurate, and consistent results. This involves confirming that the method can accurately identify and quantify specific substances within a sample, and that it performs consistently across different conditions and over time. Analytical method validation is a fundamental requirement applicable to both pharmacopeial and non pharmacopeial methods to ensure their reliability and suitability for their intended use.





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IMPORTANCE OF VALIDATION

- | | |
|--|--|
| 1. Assurance of quality | 11. Reduced testing in process and in finished goods. |
| 2. Time bound | 12. More rapid and reliable start-up of new equipment's |
| 3. Process optimization | 13. Easier scale-up from development work |
| 4. Reduction of quality cost | 14. Easier maintenance of equipment |
| 5. Nominal mix-ups, and bottle necks | 15. Improved employee awareness of processes. |
| 6. Minimal batch failures, improved efficiently and productivity | 16. More rapid automation. |
| 7. Reduction in rejections. | 17. Government regulation (Compliance with validation requirements is necessary for obtaining approval to manufacture and to introduce new products) |
| 8. Increased output | |
| 9. Avoidance of capital expenditures | |
| 10. Fewer complaints about process related failures. | |

Steps in Method Validation:

1. Develop a validation protocol or operating procedure for the Validation
2. Define the application, purpose and scope of the method
3. Define the performance parameters and acceptance criteria
4. Define validation experiments
5. Verify relevant performance characteristics of equipment
6. Qualify materials, e.g. standards and reagents
7. Perform pre-validation experiments





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8. Adjust method parameters or/and acceptance criteria if necessary
9. Perform full internal (and external) validation experiments
10. Develop SOPs for executing the method in the routine
11. Define criteria for revalidation
12. Define type and frequency of system suitability tests and/or analytical quality control (AQC) checks for the routine
13. Document validation experiments and results in the validation

Types of analytical method to be validated:

Pharmaceutical analytical methods are characterized into 4 general types

1. Identification tests
2. Quantitative tests for impurities content
3. Limit tests for the control of impurities
4. Quantitative tests of the active moiety in samples of drug

Validation parameters as per USP and ICH:

☐ USP

- Specificity
- Linearity or Range
- Accuracy
- Precision (repeatability and reproducibility)
- Limit of detection (LOD)
- Limit of Quantitation (LOQ)
- Ruggedness
- Robustness

- System suitability studies

☐ ICH

- Specificity
- Linearity
- Range
- Accuracy
- Precision
- Limit of detection (LOD)





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• Limit of Quantitation (LOQ)

• Robustness

1. **Accuracy:** The degree of closeness between the values that are accepted either as conventional true values or an accepted reference value and the value found. Accuracy is assessed by 9 determinations over a minimum 3 concentration levels covering a specified range. It is reported as the percent recovery by the assay of known added amount of the analyte in the sample.

i. **For Drug Substance:** Accuracy of the recovery is expected to be about 99-101%

ii. **For Drug Product:** Accuracy of the recovery is expected to be about 98-102%

2. **Precision:** The closeness of agreement (degree of scatter) between a series of measurements obtained from multiple sampling of the same homogeneous sample

Precision Includes

- Repeatability
- Intermediate precision
- Reproducibility
- **Repeatability**

Repeatability expresses the precision under the same operating conditions over a short interval of time.

Repeatability should be assessed using a minimum of 9 determinations covering the specified range.

➤ **Intermediate Precision**

Intermediate precision expresses variations within laboratories, different days, different analysts, different equipment, etc.

➤ **Reproducibility**

Reproducibility expresses the precision between laboratories.

Recommended Data The standard deviation and relative standard deviation (coefficient of variation) should be reported for each type of precision investigated.

3. **Limit of detection (LOD):** The lowest amount of analyte in a sample which can be detected but not necessarily quantitated as an exact value.





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$$LOD = 3.3 \sigma / S$$

Where, σ = the standard deviation of the response, S = the slope of the calibration curve.

Method:

- Based on visual examination
- Based on standard deviation of response and slope
- Signal to noise ratio 2:1 or 3:1

4. **Limit of Quantitation (LOQ)** The lowest amount of analyte in a sample which can be quantitatively determined with suitable precision and accuracy.

$$LOQ = 10\sigma / S$$

Where, σ = the standard deviation of the response, S = the slope of the calibration curve

Method:

- Based on visual examination
- Based on standard deviation of response and slope
- Signal to noise ratio 10:1

5. **Specificity** The ability to assess unequivocally the analyte in the presence of components which may be expected to be present. Typically these might include impurities, degradants, matrix, etc.

Determination:

Identification tests

Assay and impurity test

Impurities are available

Impurities are not available

6. **Linearity** :

The linearity of an analytical procedure is its ability (within a given range) to obtain test results which are directly proportional to the concentration (amount) of analyte in the sample.





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Method: Dilution of stock solutions
Minimum 5 concentrations are used.

7. Range

The interval between the upper and lower concentration of analyte in the sample for which it has been demonstrated that the analytical procedure has a suitable level of precision, accuracy and linearity.

The following minimum specified ranges should be considered

Assay: Normally from 80 to 120% of the test concentration

Content uniformity: 70 to 130 % of the test concentration

Dissolution Testing: 20% to 120%

Impurities reporting level: 120% of specification limit

8. Ruggedness

Ruggedness of an analytical method is degree of reproducibility of test results obtained by the analysis of the same samples under a variety of conditions, such as different laboratories, analysts, instruments, reagents, temperature, time etc.

Certain may include:

- Source
- Column temperature
- Heating rate
- Humidity

9. Robustness

The robustness of an analytical procedure is a measure of its capacity to remain unaffected by small, but deliberate variations in method parameters and provides an indication of its reliability during normal usage. The evaluation of robustness should be considered during the development phase and depends on the type of procedure under study.





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Examples of typical variations are: Stability of analytical solutions, Extraction time, etc.
In the case of liquid chromatography, examples of typical variations are:

- Influence of variations of pH in a mobile phase
- Influence of variations in mobile phase composition
- Different columns (different lots and/or suppliers);
- Temperature, Flow rate.

In the case of gas-chromatography, examples of typical variations are:

- Different columns (different lots and/or suppliers);
- Temperature, flow rate.

10. System Suitability Studies :

System suitability testing is an integral part of many analytical procedures. The tests are based on the concept that the equipment, electronics, analytical operations and samples to be analyzed constitute an integral system that can be evaluated as such. System suitability test parameters to be established for a particular procedure depend on the type of procedure being validated. System suitability studies has been recommended by USP in HPLC procedures.

Key Parameters

Precision: Evaluate the reproducibility of the system by performing multiple injections of a standard solution and assessing the consistency of the results.

Accuracy: Verify that the system can produce results close to the true value using known standards.

Resolution: Determine the ability of the system to separate different compounds effectively, often assessed by the separation of two closely eluting peaks.

Retention Time: Ensure consistent retention times for the analyte(s), confirming stable system performance.





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Theoretical Plates (Efficiency): Assess the efficiency of the chromatographic column, reflecting the system's ability to produce narrow peaks.

Tailing Factor: Measure peak symmetry to ensure that peaks are symmetrical and do not tail excessively.

Signal-to-Noise Ratio: Confirm that the analyte signal is distinguishable from background noise, crucial for detecting low concentrations.

Conclusion:

Analytical method validation is a fundamental process that ensures the accuracy, reliability, and consistency of analytical procedures in pharmaceutical analysis. By rigorously evaluating critical performance parameters such as accuracy, precision, specificity, and robustness, validation confirms that methods are suitable for their intended use. This process supports regulatory compliance, maintains high-quality standards, and ensures the safety and efficacy of pharmaceutical products, thereby safeguarding public health. The purpose of this article is to offer straightforward methods supported by sound scientific principles to enhance the quality of the analytical method development and validation process.



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7. Ravichandran V, Shalini S, Sundram K.M. and Harish Rajak; Validation of analytical methods – strategies & importance International Journal of Pharmacy and Pharmaceutical Sciences 2010; vol 2, suppl 3,
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9. International Conference on Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Use ICH Harmonized tripartite guideline Validation of analytical procedures: Text and Methodology Q2 (R1) 6 November 1996.
10. Aleem H, Zhao Y, Lord S, McCarthy T and Sharratt P; Pharmaceutical process validation: an overview, J Proc Mech Eng 2003; 217, 141-151
11. ANALYTICAL METHOD VALIDATION: AN UPDATED REVIEW G. Lavanya, M. Sumi, M.M. Eswarudu*, M. Chinna Eswaraiah, K. Harisudha and B. Naga Spandana Department of Pharmaceutical Analysis, Anurag Pharmacy College, Ananthagiri (V), Kodad (M)- 508206, Nalgonda (Dt), Andhra Pradesh, India





ज्ञानं गन्तां परीक्षते

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1.1.4. LAB MANUAL (B.PHARM)





ज्ञानं गन्ता परीक्षते

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Pharmaceutics I Lab Manual

Faculty: Ms. Chinchawade A. B.

VJSM's VISHAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND
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9. Gargles and Mouthwashes

- a) Iodine gargle
- b) Chlorhexidine mouthwash

Recommended Books:

1. H.C. Ansel et al., Pharmaceutical Dosage Form and Drug Delivery System, Lippincott Williams and Walkins, New Delhi.
2. Carter S.J., Cooper and Gunn's-Dispensing for Pharmaceutical Students, CBS publishers, New Delhi.
3. M.E. Aulton, Pharmaceutics, The Science& Dosage Form Design, Churchill Livingstone, Edinburgh.
4. Indian pharmacopoeia.
5. British pharmacopoeia.
6. Lachmann. Theory and Practice of Industrial Pharmacy, Lea& Febiger Publisher, The University of Michigan.
7. Alfonso R. Gennaro Remington. The Science and Practice of Pharmacy, Lippincott Williams, New Delhi.
8. Carter S.J., Cooper and Gunn's. Tutorial Pharmacy, CBS Publications, New Delhi.
9. E.A. Rawlins, Bentley's Text Book of Pharmaceutics, English Language Book Society, Elsevier Health Sciences, USA.
10. Isaac Ghebre Sellassie: Pharmaceutical Pelletization Technology, Marcel Dekker, INC, New York.
11. Dilip M. Parikh: Handbook of Pharmaceutical Granulation Technology, Marcel Dekker, INC, New York.
12. Francoise Nieloud and Gilberte Marti-Mestres: Pharmaceutical Emulsions and Suspensions, Marcel Dekker, INC, New York.





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BP109F: PHARMACEUTICS - I (Practical)

4 Hours / week

1. Syrups

- a) Syrup IP

- b) Compound syrup of Ferrous phosphate BPC

2. Elixirs

- a) Piperazine citrate elixir

- b) Paracetamol pediatric elixir

3. Linctus

- a) Terpin hydrate linctus IP

- b) Iodine Throat Paint (Mandle's paint)**

4. Solutions

- a) Strong solution of ammonium acetate b) Cresol with soap solution c) Lugol's Solution

- b) Cresol with soap solution c) Lugol's Solution

- ### c) Lugol's Solution

5. Suspensions

- a) Calamine lotion

- b) Magnesium Hydroxide mixture

- c) Aluminum hydroxide gel

6. Emulsions

- ### a) Turpentine Liniment

- b) Liquid paraffin emulsion

7. Powders and Granules

- a) ORS powder (WHO)

- b) Effervescent granules

- c) Dusting powder

- d) Divided powder

8. Suppositories

- a) Glycero gelatin suppository

- b) Cocoa butter suppository c) Zinc oxide suppository

- c) Zinc oxide suppository

9. Semisolids

- a) Sulphur ointment

- b) Non staining iodine ointment with methyl salicylate**

- c) Carbopol gel

10. Gargles and Mouthwashes

- a) Iodine gargle

- b) Chlorhexidine mouthwash

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SYRUPS – INTRODUCTION

Definition: Syrups are defined as oral liquids, which are sweet and viscous and then often contain added flavoring and coloring agents into which medicaments are incorporated. Syrups as such do not have any medicinal value, but used as vehicle for dispensing the drug.

According to I.P. the concentration of sugar in syrup is 66.7% w/w.

According to USP the concentration of sugar in syrup is 85% w/v.

Formulatory ingredients used in the preparation of Syrups are

- 1) Vehicle – E.g.: water, glycerin
- 2) Coloring agents – E.g.: Amaranth, tartrazine
- 3) Preservatives – E.g.: sodium benzoate, Methyl paraben, propyl paraben
- 4) Flavoring agents - E.g.: - Tincture of lemon, Tincture of ginger
- 5) Stabilizers – E.g.: Glycerin, sorbitol

Classification of Syrups:

Syrups are classified into two types namely 'Medicinal' and 'Flavored syrups'

Medicinal syrups: Pure drugs and extracts are added to the syrup

E.g.: Paracetamol syrup (I.P)

E.g.: Ephedrine hydrochloride syrup (N.F.)

Flavored syrups: Aromatic or flavored substances are added to the syrup

Eg: Orange syrup (B.P.),

Lemon syrup (B.P.C)

Preparation of Syrups:

They are prepared by two methods

- 1) Solution method. E.g.: Simple syrup
- 2) Extraction method. E.g.: Tolu syrup



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Advantages:

- Syrups retard oxidation of drugs; because sucrose itself gets hydrolyzed to laevulose and dextrose which are reducing sugars.
- They are sweet in taste. Therefore bitter taste of drugs can be reduced.
- Syrups prevent microbial decomposition of many vegetable drugs.

Disadvantages:

- On continuous intake syrups promote dental decay and cause gingivitis because it is a very good supplement for bacterial growth
- Syrups are not suitable for diabetic patients and patients who are on a restricted caloric intake.
- Aluminum salts cannot be included in syrups as these are incompatible with sucrose
- Syrups are not suitable for acidic drugs as they promote crystallization of sucrose.





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1. SIMPLE SYRUP

Aim: To prepare and submit 10ml of simple syrup.

Apparatus: Beakers, Glass rod, Measuring cylinder, funnel and spatula

Category: Sweetening agent.

Formula:

S. No	Ingredients	Official Formula(I.P.)
1	Sucrose	66.7 gm
2	Purified water	q. s. to 100 ml

Principle: Simple syrup (IP) is a concentrated or nearly saturated solution of sucrose in purified water. According to IP the concentration of sucrose is 66.7% w/w. The solubility of sugar in water is slow; at such a high concentration. Therefore the solution is heated to increase the rate of dissolution. If necessary, Methyl paraben at a concentration not higher than 0.15% may be used as preservative. Simple syrup is sweet in taste and used as vehicle in formulations containing nauseous bitter substances. Simple syrup as such does not have any medicinal value but used as vehicle for dispensing the drugs. Sucrose is a disaccharide, which partially hydrolyzed in to monosaccharide as glucose and fructose. These monosaccharides are called as invert sugars and reaction is called as inversion.

Procedure: Weigh the required quantity of sucrose and add required quantity of water. Then heat the mixture with occasional stirring. Take a precaution of not to overheat solution as it leads to crystallization of sugar. Add sufficient amount of purified water to get the final volume of the syrup. Filter if necessary, and then syrup is transferred into amber color container and labeled it.

Dispensing: Transfer the syrup to a clear or amber colored, narrow mouthed glass bottle, close it thoroughly with metallic screw cap, polish and label.

Storage: Stored in a tightly closed container in a cool place.

Auxiliary label: "STORE AT COOL TEMPERATURE, NOT EXCEEDING 25°C IN DARK PLACE.

Report:

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2018

Laboratory Manual of Cosmetic Science



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VJSM's Vishal Institute of Pharmaceutical
Education & Research, Ale, 412411
1/1/2018

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ACA/DI/43	Name of Subject	Cosmetic Science	Page	01/01
Date: 26/01/2018	No. of Practical's Plan	15	Rev	00

Department: **PHARMACEUTICS**

Sr. No.	Experiment No.	Description	Rev	Date	Location of Controlled Copy
01	--	General Instructions to Students	00	26/01/2018	
02	--	Do's And Don't	00	26/01/2018	
03	01	An Introduction to Cosmetics	00	26/01/2018	
		Prepare, Evaluate and Submit...			
04	02	Cold Cream	00	26/01/2018	
05	03	Vanishing Cream	00	26/01/2018	
06	04	Moisturizing Cream	00	26/01/2018	
07	05	Sunscreen Lotion	00	26/01/2018	
08	06	After Shave Lotion	00	26/01/2018	
09	07	Face Powder	00	26/01/2018	
10	08	Acid-Balanced Shampoo	00	26/01/2018	
11	09	Lipstick	00	26/01/2018	
12	10	Eye Shadow	00	26/01/2018	
13	11	Tooth Powder	00	26/01/2018	
14	12	Baby Powder	00	26/01/2018	
15	13	Eye Mascara	00	26/01/2018	
16	14	Eye Liner	00	26/01/2018	
17	15	Nail Lacquer	00	26/01/2018	
18	16	Face Pack	00	26/01/2018	
19	17	Shaving Cream	00	26/01/2018	

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Cosmetic Science	General Instructions to Students	Page	01/01
		Rev.: 00	Date: 01/01/2018

Students are advised to follow instructions given before they begin work in the laboratory.

1. While entering into the laboratory, everyone should ensure that they have the entire requirement. Apron, Head mask is must and should not enter without the same.
2. Before coming to perform the experiment go through the basic theory of the experiment at the home.
3. Keep your working place clean and tidy. A dirty seat leaves a poor impression about the student working there.
4. Carryout the preparation of formulation and evaluation as per the standard procedure.
5. Always carry your journal with you in the laboratory. The student without journal is as incomplete as a pen without ink.
6. The records made in the journal must be clear, concise and self-explanatory.
7. All the observations/outputs should be carefully entered in the journal.
8. Do not misplace any instrument like weighing balance, bulk density apparatus etc.
9. Always put date on which experiment is performed in the laboratory.
10. Journal should be maintained properly in all respect.
11. Avoid unnecessary gossiping, whispering, and / or moving in the laboratory.
12. It is once again emphasized that honest and regular work in laboratory is more important than good results. Those students, who try to change their observation for the sake of getting a accurate result, do not work with the true spirit of a student seeking to cultivate a scientific brain.
13. Put your bags towards the notice board.
14. Keep the chairs properly
15. Without permission of Lab In Charge do not disturb the setting of experiments
16. Please keep silence.

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Cosmetic Science	Do's And Don't	Page	01/01
		Rev.: 00	Date: 01/01/2018

Do's:

- **Before entering in the lab ensure**
 1. Dress properly during a lab activities.
 2. Wear proper apron.
 3. Long hair, dangling jewelry, loose or baggy clothing are hazardous in the lab. Long hair must be tie back, and dangling jewelry must be secured.
 4. Cut nails; shave your beard (For Gents)
 5. Wash hands with soap solution.
- Heated glassware remains very hot for a long time. They should be set aside in a designated place to cool and picked up with caution. Use tongs or heat protective gloves if necessary.
- It is mandatory to know the lab safety procedure thoroughly.
- Report any accident (Spill, breakage etc) or injury (Cut, Burn etc.) to the Lab in charge or Lab Attendant immediately, no matter how trivial it seems.
- Make sure all chemicals are clearly and correctly labeled with the substance name, concentration, date and validity.
- Keep your lab space clean and organized.
- Clean your lab bench, glassware or equipments.
- Clean up spills immediately.
- Adequate lighting is necessary in the lab to perform the activities.
- Students shall behave professionally in the lab.
- **Before coming out of the lab ensure**
 1. Switched off unnecessary instrument.
 2. Switched off Lights, Fan, exhaust fan
 3. Remove apron, cap etc.
 4. Wash hands with soap solution.

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• Don'ts:

- Don't enter in the lab when other practical is going on.
- Don't enter in the lab without permission.
- Do not bring any eatable or drinkables into the lab.
- Do not enter the lab in case of sickness.
- Contact lenses may not be worn in the lab.
- If you have lab partner is hurt, immediately (and loudly) yell out the others attention. Do not panic.
- Never return chemicals to reagent bottle.
- Do not work alone in the lab.
- Do not touch the reagents/ solvents/ standards/ drugs with bare hands.
- Do not run or rush in the lab.
- Do not leave an ongoing experiment unattended.
- Do not handle broken glass with your bare hands. Use brush or dustpan to clean up broken glass. Place broken glass in the designated glass disposal container.
- Do not shake hands while working.
- Do not heat the glassware that is cracked, chipped or scratched.

A To Z of Good Lab Practices:

Aprons
Balances
Calibration
Documentation
Entry and Exit
Fume Hood
Glassware
Health
Instrument

Justification
Knowledge
Log Book
Methods
Note Book
Observation
Procedure
Qualification
Reagents

Safety
Training
Upkeep
Validation
Weighing
Experiment
Your Lab
Zero error

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CS:	Name Of Experiment	Page	1/8
Experiment No.01	Semester-VIII	Rev:01	Date: 26/01/2018

Practical No. 01

Title of Experiment: An Introduction to Cosmetics

References:

1. Cosmetics, A Practical Manual, By Swarnlata Saraf, Shailendra Saraf, PharmaMed Press; 2007;1-12,

Cosmetic word is originated from Greek word "**Kosmetikos**" means adorn and preparation, which is used for this purpose, is known as cosmetic.

Definition:

- "Cosmetic are external preparation meant for to apply on external part of the body i.e., nails, skin, hair for coloring, covering, softening, cleaning, nourishing, waving, setting, mollification, preservation, removal and protection" etc.
- Also define it as "A cosmetic is an item intended to be rubbed, poured, sprinkled or sprayed on, introduced in to or otherwise applied to the human body or any part thereof for cleansing, beautifying, promoting attractiveness or altering the appearance".

Description:

The "**active life**" of any cosmetic preparation begins the moment it is brought in contact with the skin/hair/teeth/or nails and ends when it is removed or has evaporated. During it is active life; it has intimate reciprocal relationship, which results, cosmetic changes on the body.

The cosmetic product prevents its outmost layer from drying out, penetrate below the external layer and introduce active substances in to deep lying strata or adhere only superficially to change color or luster of areas. The cosmetic which are used for decorative purposes, i.e., eye lines, rouges, mascara, face masking preparations etc and also carries the inherent risk of desirable side effects. It may inhibit important physiological process, chemically modify certain skin constituents (e.g., in case of bleaching and coloring preparations), and contribute towards their removal or even give rise to certain allergic reactions.

Classification:

There is varieties of cosmetic preparations are used which can be classifying by various ways:

(a) According to region, where it is use:

- (i) **Skin:** Powder, Lipstick, Rouge, Creams, Lotions and Solutions etc.
- (ii) **Hairs:** Shampoo, Conditioners, Creams, Bleach, Coloring preparation etc.
- (iii) **Nails:** Nail lacquers, Lacquers removers etc.

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1. EXPERIMENTAL LEARNING

1.2. INDUSTRIAL TRAINING





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Completed Industrial Training

Program Name	Name of the course that include experimental learning through project work/ field work/internship	Year of offering	Name of the student studied course on experimental learning through project work/field work/internship
Industrial Training	Third year B. Pharm	2023-24	Ahir vijesh ramlal
			Auti Omkar vilas
			Belavate Divij Prashant
			Bhong Nishant Vijay
			Bhor Prathamesh dinesh
			Bhujbal Kartik Nitin
			Chaskar suhani mangesh
			Chaksar Nisha ramesh
			Dere Aditi Anil
			Deshmukh Sneha Satish
			Gadekar Shubham milind
			Gagare Nikhil Shrikant
			Gund Omkar Radhu
			Ichake Harshad Sandip
			Jamadar Sumer Raj Mohammad
			Jori Ankita Dattatray
			Kadale Bhagyashri Bhaskar
			Kale Rugveda Vilas
			Kashid Pratiksha Daulat
			katkar Sakshi popat
			Khade Pratibha Nana
			Korade Sneha Chandrakant
			Kurhade Shreya Pandit
			Labade Ashlesha Avinash
			Lende Adiksha Gulab
			Lohote Samruddhi Dattatray
			Nalawade Sayali Bharat
			Navale sakshi kiran



		Nawale Aryan Ravindra
		Patil Ankita
		Ramteke Nandita dhiraj
		Salunkhe Samir Krushna
		Satpute Sharayu Ashok
		Sharayu Ashok Satpute
		Shaikh Mahek ibrahim
		Shejwal Prashant Santosh
		Shelot Siddhi Satish
		Shinde Onkar Dharmraj
		Shirole Dhanshri Shirish
		Tandel Mahek salim
		Waghmare Ankita Ashok
		Wakchoure Atharv Raju
		Yadav Kiran Santosh
		Zagade Vaishnavi Bharat
		Zaware Gayatri Vishnu
		Arote Anish Santosh
		Aher kirti vilas
		Jagdale Ankita Arun
		Kuldharan Akash Balasaheb
		Labade Tejas Sandip






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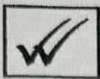
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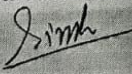
Date: _____

TO WHOMSOEVER IT MAY CONCERN

This is to verify that Mr Akash Balasaheb Kuldharan, student of Vishal Institute of Pharmaceutical Education and research, Pune has successfully completed his one month industrial training (Training period - 03rd June to 02nd July 2024) from Wintech Pharmaceutical Ltd, Sinnar Nashik, under the guidance of technical staff of the company.

During this period of industrial training Mr Akash was exposed to technical aspects of all departments within the company. We found him diligent and attentive during this training period.

We wish him every success in his life and career.

For,
Wintech Pharmaceutical Ltd,

Authorised Signature.



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1. EXPERIMENTAL LEARNING

1.3. PROJECT WORK



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List of the Students Completed Research project in industry (M.Pharm)

Sr. No.	Name of Student	Title of Work	Company	Department
1	DARSHAN VASANT ABHANG	Formulation and evaluation of immediate release tablet of anti-psychotic drug.	Pinnacle life science pvt. Ltd	Pharmaceutics
2	ABHIJEET SHAHAJI CHAVAN	Formulation and evaluation of extended release capsule of antihypertensive drug	Zenvision Pharma LLP	Pharmaceutics
3	VAISHNAVI BHARAT DOLE	Formulation and evaluation of melatonin and chamomile extract effervescent tablet	Sci-tech specialities Pvt. Ltd. Sinnar	Pharmaceutics
4	MAYUR VASANT HASE	Formulation and evaluation of green tea effervescent tablet	Sci-tech specialities Pvt. Ltd. Sinnar	Pharmaceutics
5	ABHISHEK VISHWAMBHAR JANAWALE	Formulation and evaluation of immediate release tablet of HMG CoA reductase inhibitor	Zenvision Pharma LLP	Pharmaceutics
6	YOGESH BAPUJI SARSE	Formulation and evaluation of paracetamol effervescent tablet	Sci-tech specialities Pvt. Ltd. Sinnar	Pharmaceutics
7	ROHIT KESHAV BHALERAO	Stability indicating forced degradation study of nintedanib.	Pratima Pharmaceuticals, shi krapur, Pune	QAT
8	GANESH JAGANNATH BHOSALE	Development and validation of selective RP-HPLC for antifungal drug.	Pratima Pharmaceuticals, Shi krapur, Pune	QAT
9	SOHAM ASHOK CHAVAN	Formulation and evaluation of antihypertensive drug	Koparan limited	QAT
10	PRIYANKA RAJENDRA DHAINJE	Formulation and development of iron chelating dispersible tablet.	Cipla R & D, Pune	QAT
11	SHAILESH HARINAND HALLALE	Formulation and development of herbal MSP loaded nanogel.	Sciquaint Innovation, Wagholi	QAT
12	CHAITALI DATTARAM KADAM	Formulation and evaluation of extended release tablet of anti diabetic drug.	Cipla R & D	QAT



13	RUSHIKESH BALASAHEB KAKADE	Development and analytical method validation of cardiovascular drug.	J.B. chemical and pharmaceutical Pvt Ltdc	QAT
14	SAURABH SUNIL KANAWADE	Integrated analytical method development for assay and in vitro dissolution study of dapagliflozin.	J.B. chemical and pharmaceutical Pvt Ltdc	QAT
15	PANKAJ NANDU SONAWANE	Development and validation of selective RP-HPLC FOR Delafloxacin.	Pratima Pharmaceuticals, shi krapur, Pune	QAT
16	DARSHAN VASANT ABHANG	Formulation and evaluation of immediate release tablet of anti-psychotic drug.	Pinnacle life science pvt. Ltd	QAT
17	ABHIJEET SHAHAJI CHAVAN	Formulation and evaluation of extended release capsule of antihypertensive drug	Zenvision Pharma LLP	QAT
18	VAISHNAVI BHARAT DOLE	Formulation and evaluation of melatonin and chamomile extract effervescent tablet	Sci-tech specialities Pvt. Ltd. Sinnar	QAT



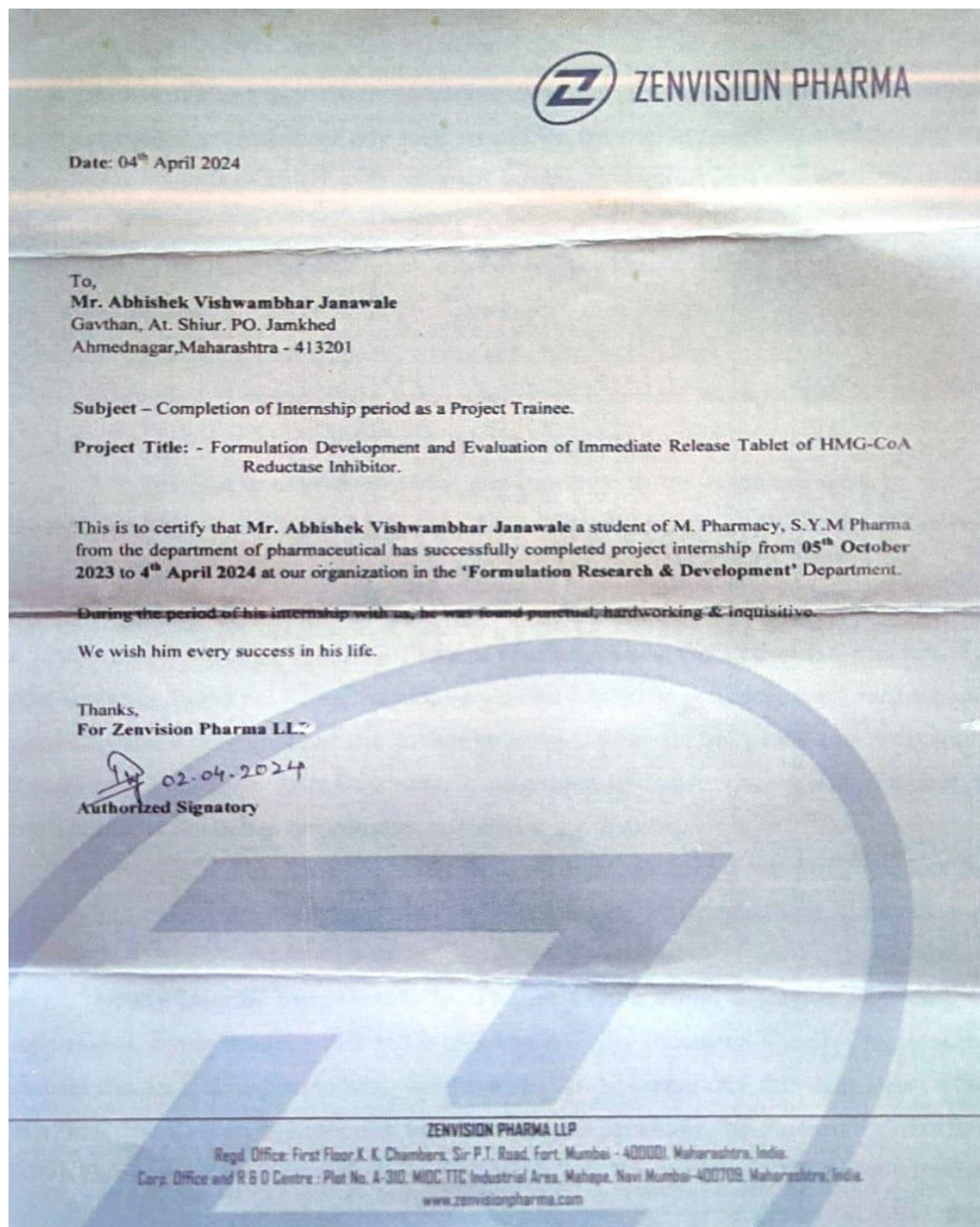


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PROJECT WORK
(B. PHARM)




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PROJECT WORK ACADEMIC YEAR-2023-2024

CLASS – FINAL YEAR B. PHARM

ROLL NO	NAME OF STUDENT	TITLE OF PROJECT	NAME OF GUIDE
1	Shradha kailasArote	Formulation and Evaluation of Brucin Sulphate Trasdermal patch for anti-inflammatory activity	Dr. Dhobale G.S.
2	Tejal Raju Banekar		
3	Aarti BhanudasBhadale		
4	Snehal Sunil Bhor		
5	Vaishnavi Ganesh Bhor	Chalcone Synthesis and their derivatives with their properties and medical applications	Dr. Kadam S.S.
6	Rutuja satishBhor		
7	Shreya vijay Bhujbal	Solubility Enhancement of poorly water soluble QS by complexation with B- cyclodextrins	Dr. Gadhave M.V.
8	Akshay Anil Bikkad	Chalcone Synthesis and their derivatives with their properties and medical applications	Dr. Kadam S.S.

9	Tushar PrabhakarChaure	Formulation Preparation and Characteristics of Tucatinib citrate chewable tablet prepared by using direct compression method	Dr. Dhobale S.M.
10	Siddhi Vijay Deokar		
11	Anuj Anil Deokar		
12	SiddhikaRjendraDhavale		
13	ADITI SANTOSH DHOBALE		
14	RUSHIKESH RAJENDRA DUKARE	Solubility Enhancement of poorly water-soluble QS by complexation with B- cyclodextrins	Dr. Gadhave M.V.
15	ANIKET GOPAL FULSUNDAR		
16	PRATIKSHA RAMESH GADEKAR		



17	ANIKET VIKRAM GADGE		
18	SHRUTIK NAVNATH GADGE	Chalcone Synthesis a review and study of its biological activity	Dr.Kadam S.S.
19	PANKESH SANTOSH GADGE	Antidiabetic activity of Senna Siamea plant extract	Dr.Kolhe S.S.
20	MAYUR DNYANESHWAR GADGE		
21	NIKITA PRABHAKAR GALANDE		
22	SWAPNIL SANTOSH GAWADE		

23	YUVRAJ BAPURAO GOSAVI	Antidiabetic activity of Senna Siamea plant extract	Dr.Kolhe S.S.
24	SARTHAK JIJABHAU GUNJAL	Formulation of Calcium tablet	Ms. Pawar S.B.
25	RUTURAJ SOMNATH GADGE		
26	TANUJA PRADIP HADAWALE		
27	SAGAR SHANKAR JADHAV		
28	SANCHITA SIDDHESHWAR JADHAV	PH independent release of a weakly basic drugs from matrix tablets	Mr.Gawari R.U
29	TANAYA SANTOSH JATHAR		
30	SIDDHESH DATTA KANASE		
31	SANIKA MANGESH KAWADE		
32	VIKRANT NAVNATH KHOKRALE	Method development and validation of Fexofenadine hydrochloride by using RP-HPLC	Mr. Sonawane A.A.
33	GIRIJA MILIND KOLHE		
34	RUSHIKESH HANUMANT KORADE		
35	TANAYA BABAN KUTAL		
36	ROHAN RAJU KHAROSHE		
37	SHRAVANI EKNATH MANSUKH		
38	SONAL BHASKAR MATRE		

39	SIDDHI SHANKAR NIGHOT	Evaluation of in vivo analgesic activity and phytochemical screening of Ficus Riligeosa leaves extract	Ms.Gadhane N.S.
40	SAKSHI SANDIP NIGHOT		
41	SAHIL INDRARAJ PADEKAR		



42	SUJATA BHANUDAS PANMAND	Development and evaluation of Tamarind seed polysaccharide based floating tablet	Dr. Wagh R.T
43	SAKSHI KAILAS PANSARE		
44	ARATI PANDURANG PATADE		
45	NIKHIL NITIN PINGAT		
46	TEJASWI SANTOSH PINGAT		
47	NILAM RAJARAM POKHARKAR		
48	PARMESHWAR SOMNATH RAJKANWAR		
49	HARSHADA KISAN ROKADE		
50	OMKAR BALASAHEB SAID	Preparation and evaluation of transdermal patch of Itraconazole	Jorvekar A.R.
51	GOVIND PANDURANG SANAP		
52	KANUJA KAILAS SHEWALE		
53	VAISHNAVI SATISH SHINDE		
54	VARSHA SANTOSH SHINDE		
55	VAISHNAVI SHASHIKANT SOMWANSHI		
56	VARSHA MACHINDRA SONAWANE	Formulation and evaluation of nutritional and antioxidant tea of herbal origin	Chinchawade A.B
57	SAMEEKSHA BHARAT TAJAVE		
58	TRUPTI DNYANESHWAR TAVHARE		
59	SNEHAL TUKARAM TAVHARE		
60	RUTUJA RAJENDRA UKIRDE		
61	SAKSHI NILESH WAGH		
62	ABHISHEK DADABHAU WALUNJ	Pharmacological Action of polyherbal gel for wound healing (Albino Wister Rat)	Mr. Kumbhar U.R
63	PRACHI RAVINDRA WAVHAL		
64	YASH SANDEEP WAYAL		
65	SHARDUL DEEPAK WADKAR		
66	NIKITA BHASKAR BHAPKAR		
67	AARTI SUBHASH BUCHUDE		
68	AISHWARYA APPASO GIRI	In vivo investigation of antidepressant activity of cypreous rotundus extract	Ms.Holkar M.S.
69	TEJASHRI DINKAR KADALE		

70	NILAM DEVRAM NAGARE	In vivo investigation of antidepressant activity of cypreous rotundus extract	Ms.Holkar M.S.
71	SHWETA GHANSHAM NALAWADE		
72	SAMEER SANTOSH PACHPUTE		
73	AKSHADA ARJUN VIDHATE		
74	ADHAL PRATIKSHA	Formulation and Evaluation of Brucin Sulphate Transdermal patch for anti-inflammatory activity	Dr. Dhobale G.S.
75	BHUJBAL ABHISHEK	Chalcone Synthesis and their derivatives with their properties and medical applications	Dr.Kadam S.S.





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1. EXPERIMENTAL LEARNING

1.4. HEALTH- CARE ACTIVITIES



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PRINCIPAL



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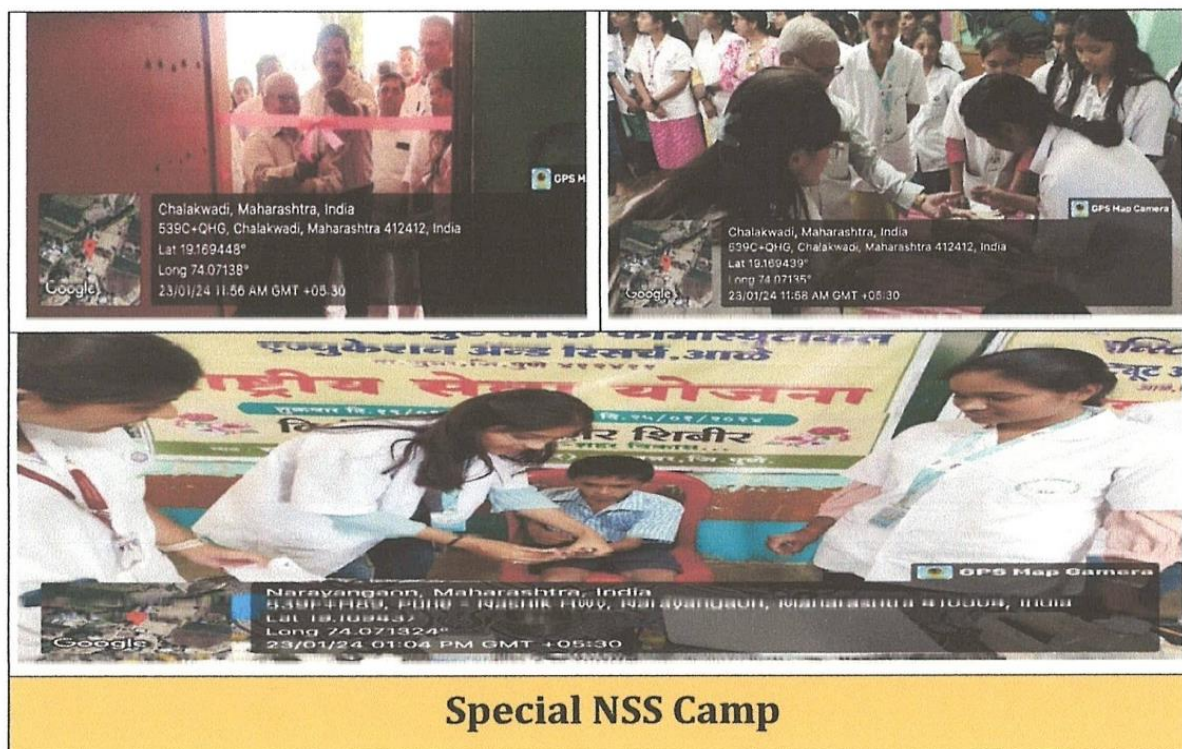
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HEALTH CHECKUP CAMP

DATE	NO OF PARTICIPANTS
23-01-2024	47



Special NSS Camp

Brief Report of the Activity:

The fifth day of camp was started at 8 am where prayer, SPPU song, NSS anthem, then exercise and breakfast was taken. From 10.15 a.m. Health checkup camp was scheduled. First at 11.55 a.m. inauguration of health check camp, then actual camp was started where hemoglobin in gram. , detection of blood group, body mass index was checked .In this all the students of Shivanjali Vidyaniketan and Zilla parishad school students are participated. In between camp volunteers taken the lunch. After the health camp the guest lecture was arranged on Shivcharitra. Mr. Aditya Subhash Chalak from Chalakwadi delevered lecture enthusiastically up to 4.50 p.m. After that upto 6p.m. the dairy of daily work was filled. In this total 47 volunteers were participated.





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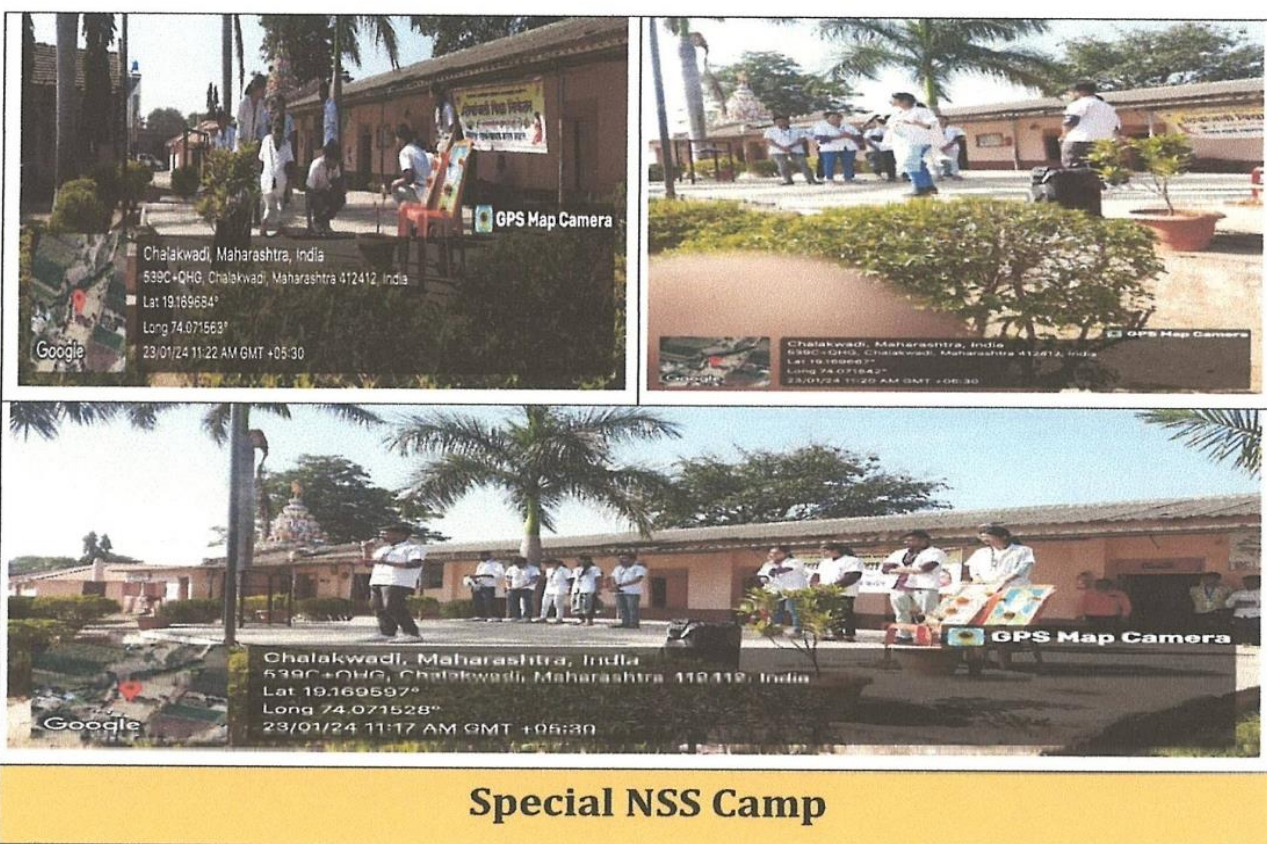
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ORGAN DONATION PATHNATYA

DATE	NO OF PARTICIPANTS
23-01-2024	47



Brief Report of the Activity:

On the fifth day of NSS camp our final year volunteers performed pathnatya on ORGAN DONATION in front of Shivanjali Vidyaniketan staff and students. This event gives enormous information to the students of high school.





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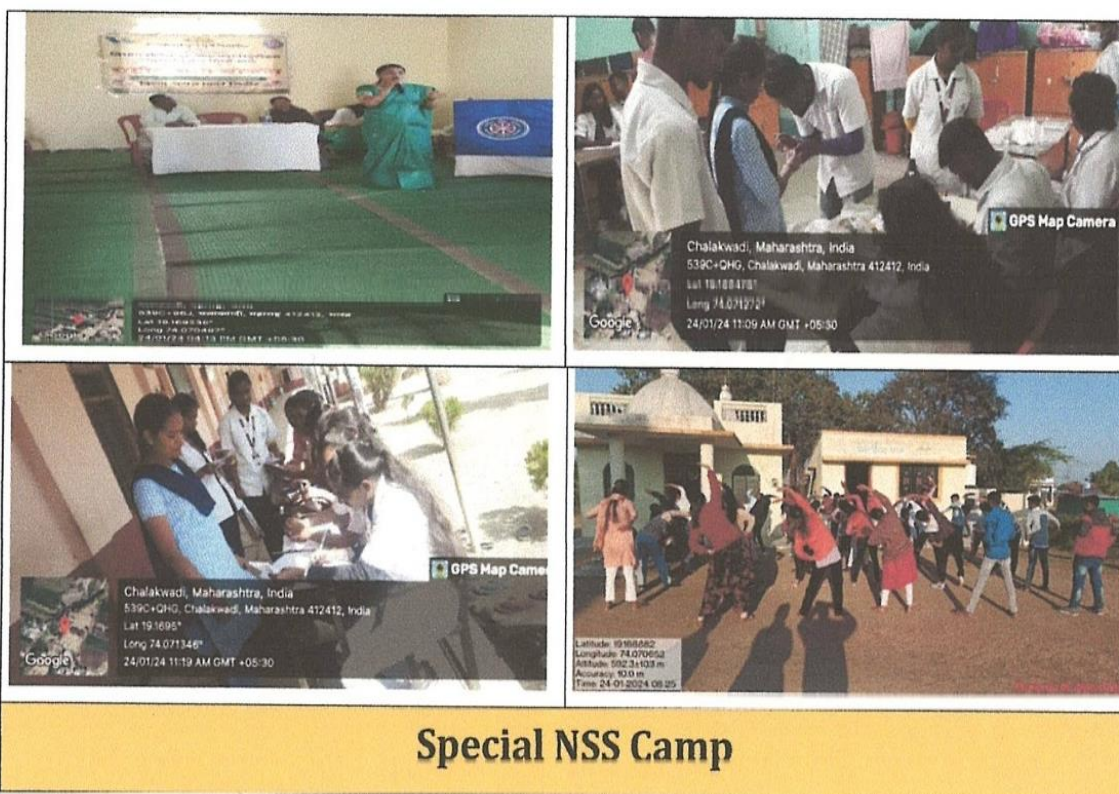
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HEALTH CKECKUP CAMP

DATE	NO OF PARTICIPANTS
24-01-2024	47



Special NSS Camp

Brief Report of the Activity:

The second last day of NSS camp started at 8.15am with prayer, SPPU song, and NSS anthem. After this volunteers do the exercise and the breakfast up to 10 am. From 11 am health checkup camp was conducted for the remaining students of high school. In these camp total 236 students of high school participated. Then up to 1.30 pm lunch was taken and after this up to 3 pm rest. Then guest lecture was arranged for NSS volunteers on Leadership Quality & Development. Dr. Kadam S. S., Prof. B. J. Arts, Commerce and Science College Ale delivered lecture up to 5.45 pm. Then up to 6.15 p.m. the diary of daily work was filled. In this total 47 NSS volunteers were participated.





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BLOOD DONATION CAMP

DATE	NUMBER OF STUDENTS PARTICIPATED
05 Aug 2023	26

Latitude: 19.176617
Longitude: 74.102333
Elevation: 688.79127 m
Accuracy: 17.7 m
Time: 05-08-2023 11:22

स्वातंत्र्यासाठी अलेकांनी बलिदान दिले, त्या हुतात्म्यांना अभिवादन करूया!

चला रक्तदान करूया!

संसददल खासदार
डॉ. अमोलदादा कोल्हे
यांच्या संकल्पनेतून

जगदंब प्रतिष्ठान
आयोजित
शिरूर लोकसाभा
मतदारसंघात

**क्रांती दिनानिमित्त
रक्तदानाचा महायज्ञ**

दिनांक: 5 ऑगस्ट 2023
वेळ: सकाळी 9 ते सायंकाळी 4 वाजेपर्यंत

**प्रत्येक
रक्तदात्यास
लाखांचे
सुरक्षा कवच**

- 3 लाखांचा अपघाती विमा
- 3 लाखांचा जीवन विमा
- रक्तदात्यास आजीवन रक्त गोफत
- नातेवाईकास 1 वर्ष रक्त गोफत

जुलैर विधानसभा क्षेत्रातील रक्तदान केंद्र

- विजिअट कॉलेज, जारायगवाय
- श्री. कृष्णपती कॉलेज जुन्नर
- फार्मसी कॉलेज, ओरुंग
- सार्वीर कॉलेज, ओरुंग
- साखारामदेव जाधव कॉलेज आले
- शिरनेरी फाउंडेशन सुंदरग
- शिरावाडी शिंदे कॉलेज सोरी
- वैद्यकीय महाविद्यालय, जंजरावाडी आले
- प्राथमिक आरोग्य केंद्र, वेणु
- जुन्नर वाटेद न.पा. शाळा क.1
- ओझाट देवस्थान हॉल
- लेफ्टादी देवस्थान हॉल
- उदापुर सामाजिकसेवा मंडळ
- प्रा.आ.के.ड. विडीली
- जुलैर देवस्थान हॉल जारायगवाय
- प्रा.आ.के.ड. सावरगाव
- नांदगाडी सामाजिकसेवा हॉल
- जळगाव माता मातेद सभागृह, पिंपळवडी
- प्रा.आ.के.ड. आरुंग
- सांदली राजमाथा सांस्कृतिक सभागृह
- हॉटेल जाटवडम हॉल, जंजरावाडी

NSS REGULAR ACTIVITY

Brief Report of the Activity:

On fifth Aug.2023 Dr. Amolji Kolhe, MP Loksabha organized Blood donation camp along with Jagdamb pratisthan in various places of Junnar tahsil, Our NSS volunteers participated in Blood donation camp in B.J. Arts, Commerce and Science College Ale. Our six volunteers donated the blood in this camp and obtained the Blood donation certificate. Other volunteers help to this camp for distribution of snacks, tea to the participated candidates. In this total 26 volunteers participated.





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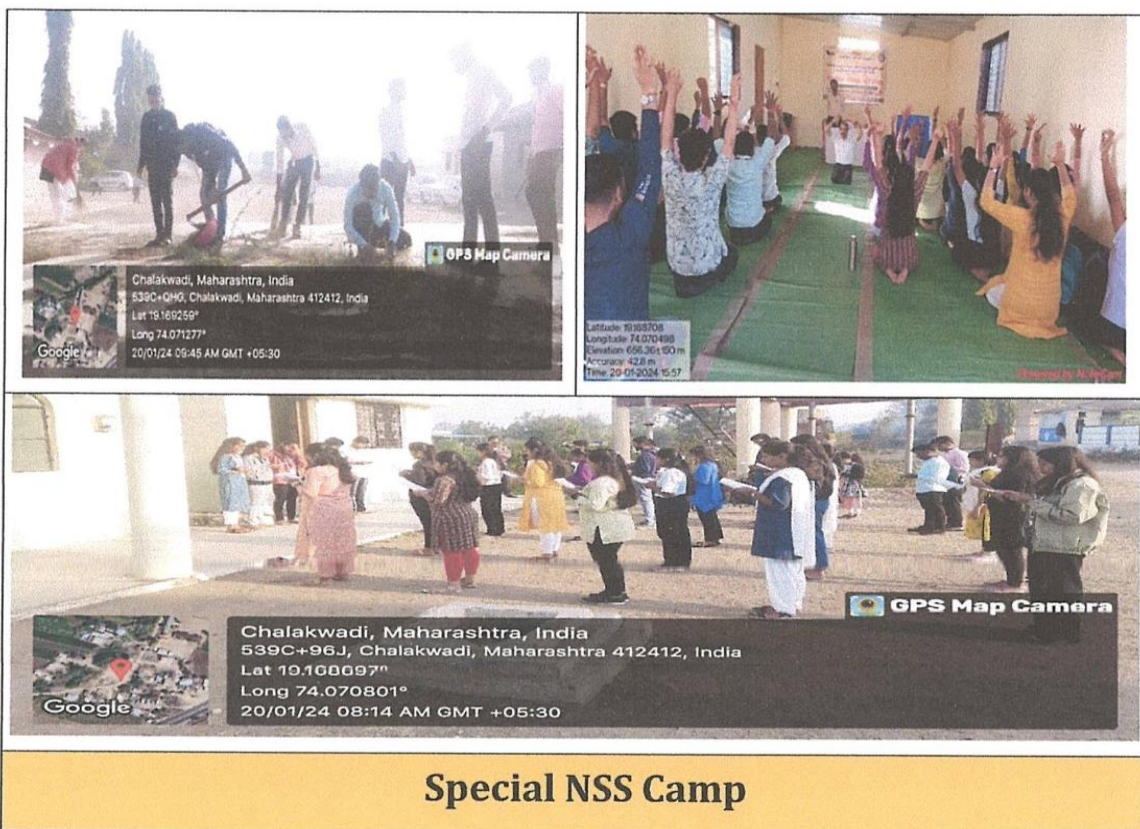
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YOGA ACTIVITY

DATE	NO OF PARTICIPANTS
20-01-2024	47



Brief Report of the Activity: Second day of S NSS camp is started with prayer, SPPU song, NSS anthem. Then different types of exercise were done by the volunteers. After that breakfast.. upto 10 a.m. NSS volunteers cleaned the area of Shivanjali vidyarniketan chalakwadi upto 1 p.m. At 1 p.m. lunch is taken and rest till 3 p.m. From 3p.m. onwards Dr. Arun Gulve, Prof. B.J. Arts, Commerce & Sciences College Ale delivered lecture on Yoga & its importance, meditation and its importance. Till 5 p.m.





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2. PARTICIPATIVE LEARNING METHODOLOGIES

Sr. No.	Name of Documents
2	PARTICIPATIVE LEARNING
2.1	Participation by Students in Seminar/ Workshop/ Conference and Poster Presentation.
2.2	Cultural Programmes participation
2.3	Awareness Campaign Conducted during NSS/ NPW
2.4	Tree plantation drives
2.5	Industrial Visit





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2. PARTICIPATIVE LEARNING

Participation by Students in
Seminar/Workshop/Conference and Poster Presentation.





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B.PharmList of the Students

Academic Year 2023-24					
Sr. No.	Date	Name of Student	Topic of Conference	Organizer	Day
1.	20/01/2024	Ms. Trupti Tavhare	Advances and challenges In drug synthesis and development	Hon. Balasaheb Jadhav arts,commerce and science college, Ale.	One day
2.	20/01/2024	Mr. Nikhil Pingat	Advances and challenges In drug synthesis and development	Hon. Balasaheb Jadhav arts,commerce and science college, Ale.	One day





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Dnyaneshwar Gramonnati Mandal Ale, Santwadi, Kolwadi's
HON. BALASAHEB JADHAV ARTS, COMMERCE & SCIENCE COLLEGE
 Ale, Tal.-Junnar, Dist.-Pune-412 411
 NAAC Accredited 'B+' Grade

Certificate

This is to certify that Prof. ~~Dr.~~ / Mr./Mrs./Ms./ Tavhare Trupti Dnyaneshwar of Vishal Institute, Ale has been participated/ presented (poster/oral) a research paper entitled Formulation & Evaluation of face serum from Herbal Origin In Self-Financed One Day National Symposium entitled "Advances and Challenges in Drug Synthesis and Development: A Multidisciplinary Approach" held at Dnyaneshwar Gramonnati Mandal's Hon. Balasaheb Jadhav Arts, Commerce and Science College, Ale, Tal: - Junnar, Dist.: - Pune.412411 dated on 20/01/2024.

Organizing Secretary
Dr. Bhujbal R. C.

Co-convener
Prof. Rathod S.B.

Convener
Dr. Gadekar J.H.

IQAC Coordinator
Dr. Smt. Kadam S.S.

Principal
Dr. Jadhav P. G.

Dnyaneshwar Gramonnati Mandal Ale, Santwadi, Kolwadi's
HON. BALASAHEB JADHAV ARTS, COMMERCE & SCIENCE COLLEGE
 Ale, Tal.-Junnar, Dist.-Pune-412 411
 NAAC Accredited 'B+' Grade

Certificate

This is to certify that Prof. ~~Dr.~~ / Mr./Mrs./Ms./ Pingat Nikhil Nitin of Vishal institute, Ale has been participated/ presented (poster/oral) a research paper entitled Flooding Drug Delivery system In Self-Financed One Day National Symposium entitled "Advances and Challenges in Drug Synthesis and Development: A Multidisciplinary Approach" held at Dnyaneshwar Gramonnati Mandal's Hon. Balasaheb Jadhav Arts, Commerce and Science College, Ale, Tal: - Junnar, Dist.: - Pune.412411 dated on 20/01/2024.

Organizing Secretary
Dr. Bhujbal R. C.

Co-convener
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Dr. Gadekar J.H.

IQAC Coordinator
Dr. Smt. Kadam S.S.

Principal
Dr. Jadhav P. G.





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M.Pharm (Pharmaceutics)

Academic Year 2023-24					
Sr. No.	Date	Name of Student	Topic of Conference	Organizer	Day
1.	11 th to 16 th March 2024	Dole Vaishnavi Bharat	One Week International e-FDP/e-STP on Recent Advancements in Pharmaceutical Academic Research Ethics and Social Perspective	Internal Quality Assurance cell @MSGCOPER,Nasik	6
2.	11 th to 16 th March 2024	Hase Mayur Vasant	One Week International e-FDP/e-STP on Recent Advancements in Pharmaceutical; Academic, Research, Ethics and Social Perspective	Internal Quality Assurance cell @MSGCOPER,Nasik	6
3.	11 th to 16 th March 2024	Janawale Abhishek Vishwambhar	One Week International e-FDP/e-STP on Recent Advancements in Pharmaceutical; Academic, Research ,Ethics and Social Perspective	Internal Quality Assurance cell @MSGCOPER,Nasik	6
4.	13//2/2023	Chavan Abhijeet S.	International Conference on Clinical Research -2023(ICCR-2023) 'World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation's college of pharmacy,Vilad ghat,Ahmednagar,India	1
5	13//2/2023	Dole Vaishnavi Bharat	International Conference on Clinical Research -2023(ICCR-2023) 'World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation's college of pharmacy,Vilad ghat,Ahmednagar,India	1
6	13//2/2023	Janawale Abhishek Vishwambhar	International Conference on Clinical Research -2023(ICCR-2023) 'World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation's college of pharmacy,Vilad ghat,Ahmednagar,India	1





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M.Pharm (QA)

Academic Year 2023-24					
Sr. No.	Date	Name of Student	Topic of Conference	Organizer	Day
1.	11 th to 16 th March 2024	Dhainje Priyanka R.	One Week International e-FDP/e-STP on Recent Advancements in Pharmaceutical Academic Research Ethics and Social Perspective	Internal Quality Assurance cell @MSGCOPER,Nasik	6
2.	11 th to 16 th March 2024	Chavan Soham A.	One Week International e-FDP/e-STP on Recent Advancements in Pharmaceutical Academic Research Ethics and Social Perspective	Internal Quality Assurance cell @MSGCOPER,Nasik	6
3.	15 th to 16 th March 2024	Kakade Rushikesh B.	Recent advances in drug discovery and development	Pravara Rural college of Pharmacy, Pravaranagar,Loni	2
4.	15 th to 16 th March 2024	Kanawade Saurabh S.	Recent advances in drug discovery and development	Pravara Rural college of Pharmacy, Pravaranagar,Loni	2
5.	19-20 th Jan 2024	Bhosale Gasnesh j	Current research Science in science and technology(CRSST-247)	Science ,Arts,Commerse ,Science and computer science College ,Ashvi kd.	2
6.	6-7 th July 2023	Bhalerao Rohit K	10 th World conference on pharmaceutical Science and drug manufacturing	Association of pharmaceutical Research(APR)	2
7.	9-8/2024b	Bhalerao Rohit K	31sr Indo –US international onference on Global trends and challenges in drug design ,nanotechnologyand pharmaceutical science	APP Gujarat State branch and APP American International Branch Krushna School of pharmacy and research,Vadodara,Gujarat	1



8.	9-8/2024	Kanwade Saurabh	31st Indo –US international conference on Global trends and challenges in drug design ,nanotechnology and pharmaceutical science	APP Gujarat State branch and APP American International Branch Krushna School of pharmacy and research, Vadodara, Gujarat	1
9.	13//2/223	Kadam Chaitali D.	International Conference on Clinical Research -2023(ICCR-2023) ‘World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation’s college of pharmacy, Vilad ghat, Ahmednagar, India	1
10.	13//2/2023	Hallale Shailesh H.	International Conference on Clinical Research -2023(ICCR-2023) ‘World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation’s college of pharmacy, Vilad ghat, Ahmednagar, India	1
11.	13//2/2023	Dhainje Priyanka	International Conference on Clinical Research -2023(ICCR-2023) ‘World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation’s college of pharmacy, Vilad ghat, Ahmednagar, India	1
12.	13//2/2023	Kakade Rushikesh B.	International Conference on Clinical Research -2023(ICCR-2023) ‘World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation’s college of pharmacy, Vilad ghat, Ahmednagar, India	1
13.	13//2/2023	Kanwade Saurabh S.	International Conference on Clinical Research -2023(ICCR-2023) ‘World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation’s college of pharmacy, Vilad ghat, Ahmednagar, India	1
14.	13//2/223	Bhalerao Rohit K.	International Conference on Clinical Research -2023(ICCR-2023) ‘World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation’s college of pharmacy, Vilad ghat, Ahmednagar, India	1
15.	13//2/223	Chavan Soham B.	International Conference on Clinical Research -2023(ICCR-2023) ‘World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation’s college of pharmacy, Vilad ghat, Ahmednagar, India	1
16.	13//2/223	Bhosale Ganesh J.	International Conference on Clinical Research -2023(ICCR-2023) ‘World of clinical research and digital technologies-know what you do Not know	Dr. Vithalrao Vikhe Patil Foundation’s college of pharmacy, Vilad ghat, Ahmednagar, India	1
17.	3/2/2024	Kakade Rushikesh	Career Opportunities in modern digital health	MedEduPro medical writing Academy	1





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Sample Copy of Certificate



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ज्ञानमया धरोहर

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2. PARTICIPATIVE LEARNING

2.2. CULTURAL PROGRAMME PARTICIPATION





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Bhimashankar Karandak youth Fest 2024

Date	No of Participants
12/02/2024 To 17/02/2024	27



Brief Report -

The Bhimashankar Karandak cultural festival took place on 17Feb 2024, celebrating diverse art forms and cultural expressions. This year's dance competition featured a variety of performances from students across multiple schools, showcasing traditional and contemporary dance styles.

Group of final year students participated in the dance competition. They performed a Shivpratap Nrutya that highlighted the power of Chatrapati Shivaji Maharaj. The performance was notable for its costumes and emotional expression.

Group of third year student participated in warkari Nrutya that highlighted the energy and devotion of warkari going to Padharpur for ashadhi ekadashi. The performance was notable for its costumes and emotional expression.

The audience responded enthusiastically, with applause and cheers throughout the performance, demonstrating appreciation for the skill and effort involved.





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Annual cultural Programme 2023-24

Date	No of Participants
25/02/2024	50



Report:

The Vishal Pharmostav 2023-24 cultural festival took place on 24 Feb 2024, celebrating diverse art forms and cultural expressions. This year's dance competition featured a variety of performances from students across multiple schools, showcasing traditional and contemporary dance styles.

Group of first to final year students participated in the dance competition. They performed a various dance performances was notable for its costumes and emotional expression.





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**2. PARTICIPATIVE LEARNING
2.3. AWARENESS CAMPAIGN CONDUCTED
DURING NSS/NPW**





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CLEANING

DATE	NO OF PARTICIPANTS
21-01-2024	47



Special NSS Camp

Brief Report of the Activity: On the third day of special NSS camp, morning was started at 8.15 a.m. with prayer, SPPU song, NSS anthem. After this different types of exercise was done by the NSS volunteers. Then breakfast up to 10 a.m. Then NSS volunteers cleaned the area of Shivajali vidyaniketan garden, also volunteers transferred the large stones and prepare wall at one side upto 1.p.m. At 1p.m. lunch was taken and up to 3p.m. rest. From 3p.m. onwards Mr. Pravin More. Jalpremi Pune delevred lecture on Rastrapita Mahatma





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Special NSS Camp

DATE	NO OF PARTICIPANTS
25-01-2024	47



Special NSS Camp

Brief Report of the Activity: The final day of NSS camp started at 8.15am where prayer, SPPU song, NSS anthem, exercise and breakfast was done by all volunteers till 9.45 a.m. During exercise activity, District co-ordinator of NSS, Dr. Shrikant Fulsundar, SPPU pune, visited our NSS camp. After this all the volunteers planted small plants in Shivanjali Vidyaniketan high school garden. Here volunteers planted total 10 medicinal plants upto 11 a.m. Then our volunteers arranged the hall for closing ceremony. The day was progressed with the closing ceremony of special NSS camp at Satvajibaba temple, chalakwadi from 11.35 a.m. to 2 p.m. in the presence of respective dignitaries. Then from 2 p.m. to 3 p.m. lunch and rest was taken. Then upto 4.50 p.m. the diary of daily work was filled and all dairies were collected. For this total 47 NSS volunteers was present.





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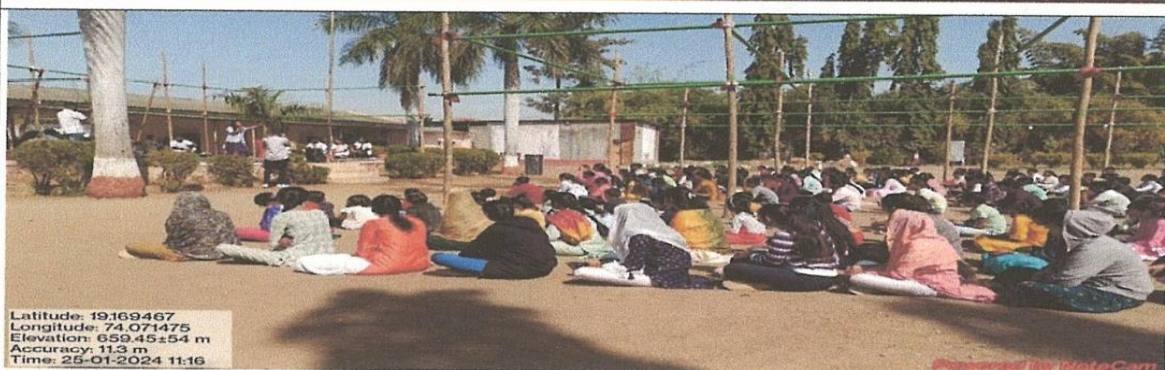
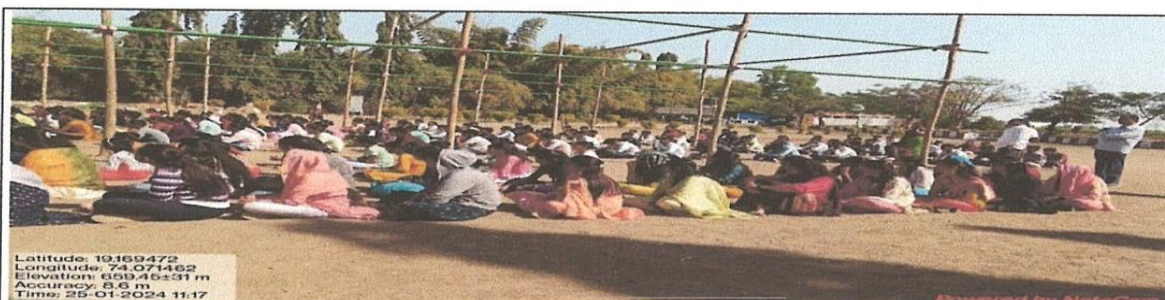
Dr. S. L. Jadhav
Principal

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PATHNATYA ON WOMEN MAN EQUALITY

Special NSS Camp	
DATE	NO OF PARTICIPANTS
25-01-2024	47



Special NSS Camp

Brief Report of the Activity:

On the last day of NSS camp our Third year NSS volunteers performed pathnatyaa in front of school staff and students on women men equality up to 11.30 a.m. This gives information to youth. Total NSS volunteers participated in this activity.





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CLEANING COLLEGE CAMPUS

NSS REGULAR ACTIVITY

DATE	NUMBER OF STUDENTS PARTICIPATED
19 Jul 2023	50



NSS REGULAR ACTIVITY

Brief Report of the Activity:

On date 19/07/2023 our NSS volunteers cleaned the college medicinal garden and area of college canteen. Volunteers collected the dry and moist dust and damped in the one side of garden. Volunteers also collected the scrap material, old still gate and transfer in the separate scrap room in the college campus. Also volunteers cleaned the area of college canteen. In this total 50 NSS volunteers participated in the regular activity.





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NSS REGULAR ACTIVITY

DATE	NUMBER OF STUDENTS PARTICIPATED
04 Aug 2023	26



NSS REGULAR ACTIVITY

Brief Report of the Activity:

On the fourth day our NSS volunteers cleaned the area of Ale sahakari dudh utpadak sanstha maryadit ale. Volunteers cleaned the area of gate of dairy, removed the grass from plants. Also collected the damp material, plastic bottles and damped at one side of dairy. In this way our volunteers cleaned dudh dairy activity conducted smoothly. In this total 26 NSS volunteers were participated.





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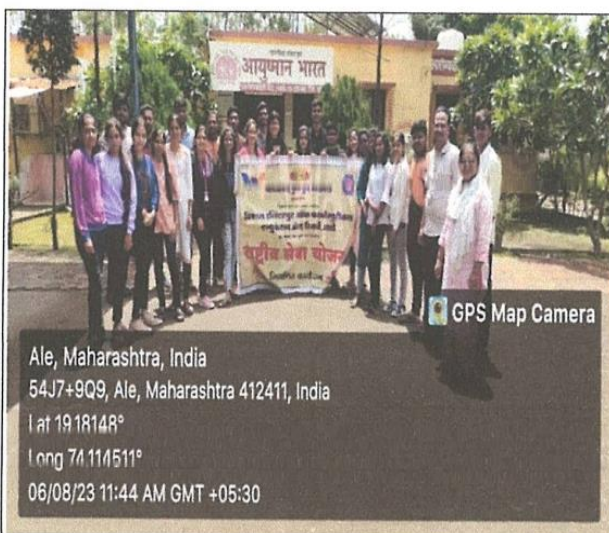
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NSS REGULAR ACTIVITY

DATE	NUMBER OF STUDENTS PARTICIPATED
06 Aug 2023	26



NSS REGULAR ACTIVITY

Brief Report of the Activity:

On the Sunday 6/8/2023 our NSS volunteers cleaned the area of Primary Health Centre Ale. Volunteers cleaned the road inside the center, collected the plastic material, damped all the material at one side. Also some volunteers picked the plants, removed the grass. In this total 26 NSS volunteers were participated. In this way activity is conducted smoothly.





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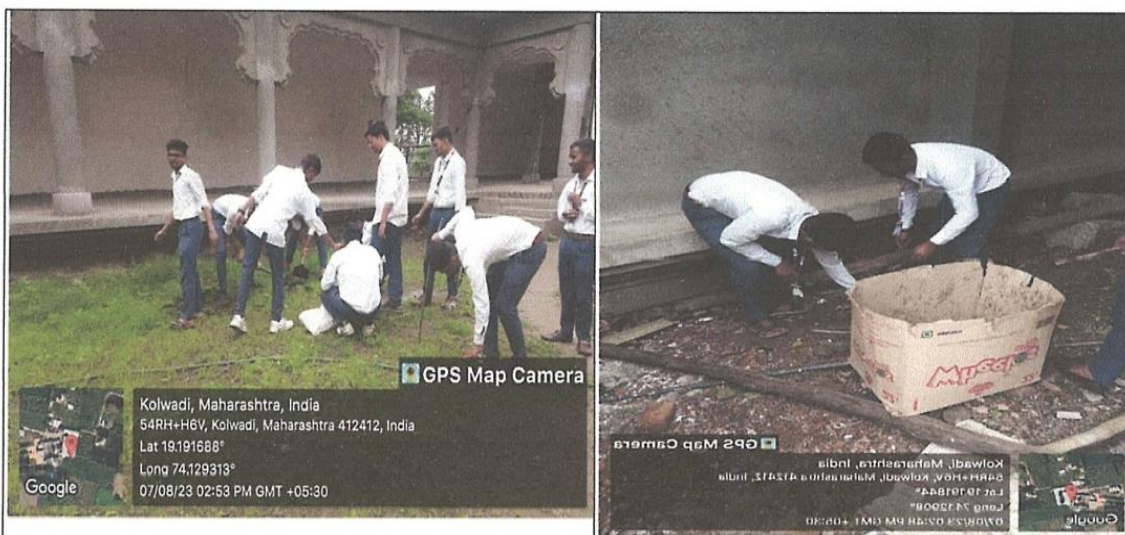
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NSS REGULAR ACTIVITY

DATE	NUMBER OF STUDENTS PARTICIPATED
07 Aug 2023	63



NSS REGULAR ACTIVITY

Brief Report of the Activity:

On the date 7/8/2023 our NSS volunteers cleaned the area of Redha Samadhi Temple in Kolwadi. All the NSS volunteers collected the plastic bottles, removed the grass from plants, cleaned the corridor of temple, road and waste is collected and damped it one side of temple. In this total 44 volunteers participated and conducted activity smoothly.





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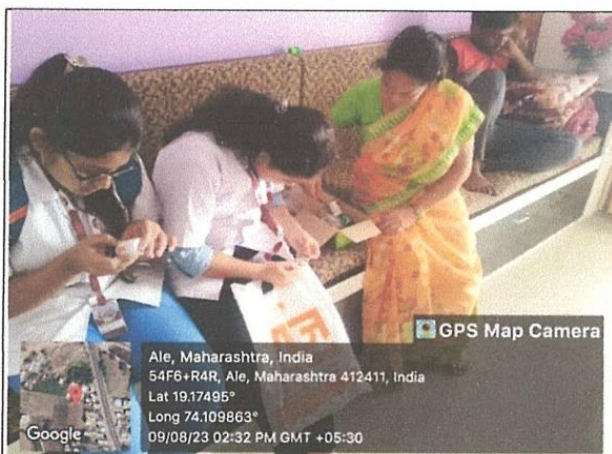
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NSS REGULAR ACTIVITY

DATE	NUMBER OF STUDENTS PARTICIPATED
09 Aug 2023	50



NSS REGULAR ACTIVITY

Brief Report of the Activity:

On the date 9/8/ 2023, our NSS volunteers collected the expiry medicine, give suggestions for taking dose of medicine and side effects of expiry medicine. volunteers collected tyhe expiry medicine from house of Ale and other area of ale. They also suggest to the villagers to remove expiry medicine from the house. In this total 15 volunteers involved and to submitted expiry medicine report to P.O. of college. In this way activity conducted successfully.





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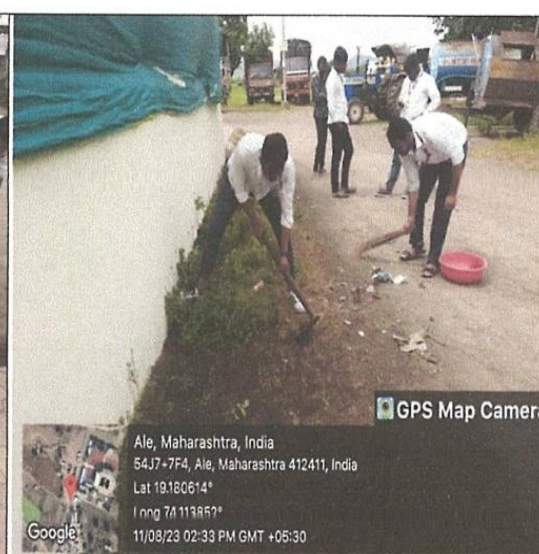
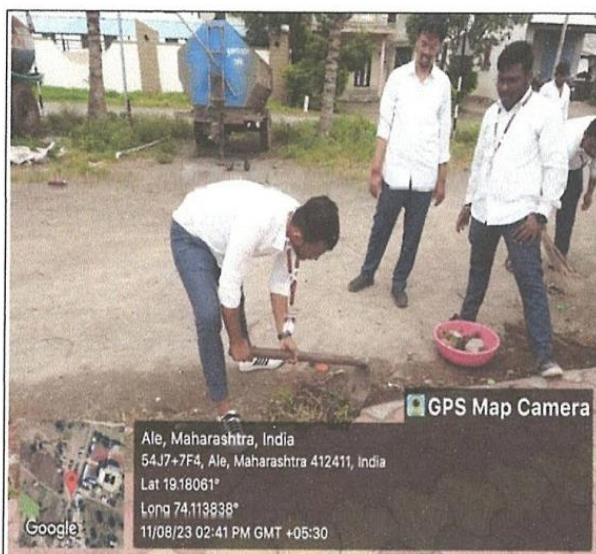
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NSS REGULAR ACTIVITY

DATE	NUMBER OF STUDENTS PARTICIPATED
11 Aug 2023	19



NSS REGULAR ACTIVITY

Brief Report of the Activity:

On date 11/8/2023 our NSS volunteers cleaned the Ambabai temple which is located in front of our college. All the volunteers removed grass from the corridor and side wall of the temple. Waste materials like plastic and empty plastic bottles and dried grass collected and damped at one side of temple. In this total 19 NSS volunteers participated and activity is conducted smoothly.





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2. PARTICIPATIVE LEARNING

2.4. TREE PLANTATION





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NSS REGULAR ACTIVITY

DATE	NUMBER OF STUDENTS PARTICIPATED
14 Aug 2023	24



NSS REGULAR ACTIVITY

Brief Report of the Activity:

On the date 14/8/2023 our NSS volunteers planted the plants in the area of Zilla Parishad Primary School, Santwadi. In this campus volunteers planted naral, peru, adulsa and hibiscus plants.

After the plantation, NSS volunteers participated in swacchta rally in ale village. They advised the villagers through posters regarding cleanliness awareness. In this total 24 NSS volunteers involved and activity is smoothly conducted.





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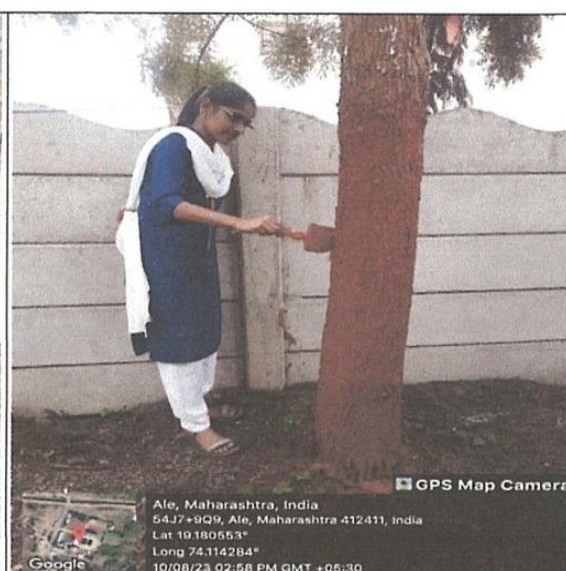
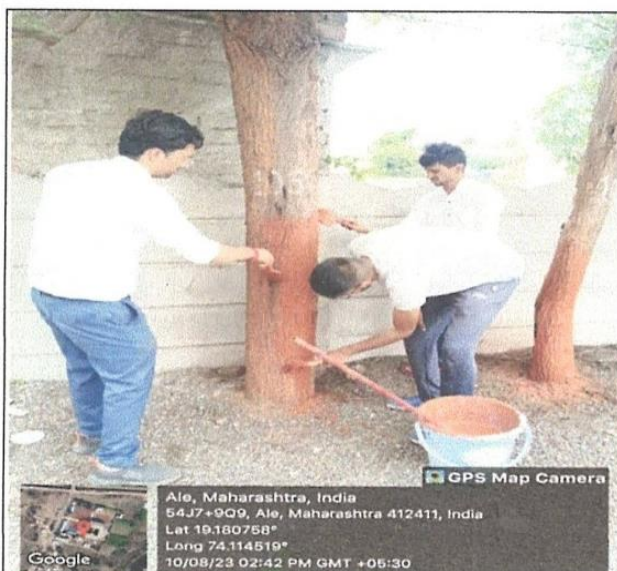
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NSS REGULAR ACTIVITY

DATE	NUMBER OF STUDENTS PARTICIPATED
10 Aug 2023	11



NSS REGULAR ACTIVITY

Brief Report of the Activity:

On the date 10/8/2023 our NSS volunteers painted the small and large trees at the base by gheru which gives protection to the trees. Total small and large trees which was present in campus were painted with the help of brush. In this 11 volunteers participated and the activity conducted smoothly.





ज्ञानमेव धरोहर

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2. PARTICIPATIVE LEARNING

2.5. INDUSTRIAL VISIT





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Sr. No.	Academic Year	No. of Industrial Visit	No. of Students	Name of Industry	Name of Staff Members
1	2023-24	02	78	SciTech Specialities Pvt. Ltd, Musalgaon, Sinnar	1. Mr. Sonawane A. A 2. Ms Chinchawade A B

Industrial Visit Report	
Date	06/10/2023 & 20/12/2024
Year	2023-24
Name Of Industry	SciTech Specialties' Pvt. Ltd, Musalgaon, Sinnar, Nashik.
Number Of Students Participated	78



Nashik, Maharashtra, India
R2VW+3P2, Shirdi Hwy, Musalgaon Industrial Area, Maharashtra 422112, India
Lat 19.842167°
Long 74.047262°
06/10/23 05:54 PM GMT +05:30

GPS Map Camera





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9/27/23, 3:42 PM

Gmail - regarding industrial visit



VJSM VIPER <viper.tpcell@gmail.com>

regarding industrial visit

3 messages

TPCELL VIPER <viper.tpcell@gmail.com>
To: stsp admin <stsp.admin@stsp.in>

14 September 2023 at 17:57

Dear sir,

Greetings from V.I.P.E.R Group (Vishal Institute of Pharmaceutical Education & Research, Ale, Junnar, Dist: Pune) Maharashtra

This is to request you to kindly arrange a one day plant visit to our B. pharm final year students (Male & Female) from Vishal Institute of Pharmaceutical Education & Research ale, Tal. Junnar Dist. Pune, on any suitable day.

Total 73 Number of students & our two assistant professors shall accompany the students for the plant visit. Kindly reply to me.

Thank you.

DR. S. L. JADHAV
PRINCIPAL
VISHAL JUNNAR SEVA MANDALS
VISHAL INSTITUTE OF PHARMACEUTICAL
EDUCATION AND RESEARCH,
ALE, TAL JUNNAR DIST PUNE 412411.

MISS. A. B CHINCHAWADE
TRAINING AND PLACEMENT CELL
COORDINATOR

stsp admin <stsp.admin@stsp.in>
To: TPCELL VIPER <viper.tpcell@gmail.com>
Cc: stsp admin <stsp.admin@stsp.in>, "gadrepravin@gmail.com" <gadrepravin@gmail.com>, stsp qcqa <stsp.qcqa@stsp.in>

26 September 2023 at 22:25

Dear Sir,

Kindly refer to your mail appended below.

We would like to confirm **06 Oct and 20 Oct 2023 (Friday's)** as dates for the visit at our Plant 2.

The visit is scheduled from 3.30 pm to 5.30 pm.

Students to get the following:-

- Apron.
- Cap.
- Shoe cover.
- Mask.

Our Factory address is :-

A-12&13, STICE, Musalgaon, Sinnar

Near Hotel Gulmohor.

<https://mail.google.com/mail/u/1/?ik=84dedb6555&view=pt&search=all&permthid=thread-a:r-7393021701945961923&siml=msg-a:r-7173241335...> 1/2





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P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

Ref. No. : VJSM/VIPER/2023 24/office - 137

Date : 06/10/2023

Thanking Letter

To,
Manager
SciTech Specialities Pvt. Ltd.
Musalgaon,
Tal. Sinnar, Dist. Nashik

Sub – Thanks for your kind co - operation for Industrial visit.

Respected Sir/Madam,

As mentioned above subject we are thankful that allowed our students for this industrial visit, all your staff is co - operative , provided very helpful information to us regarding your organization.

We hope this visit will be helpful for our students in their future while working in professional network.

Thank you.....

Yours Faithfully

PRINCIPAL

VISHAL INSTITUTE OF PHARMACEUTICAL
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ALE TAL-JUNNAR, DIST-PUNE 412411

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VISHAL JUNNAR SEVA MANDAL'S

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Participated Students list with sign

VJSM's Vishal Institute Of Pharmaceutical Education And Research, Ale

Dept: Training and Placement

Class: Final Year B pharm

Event : Industrial Visit Date: 06/10/2023

Name of Industry: SciTech Speciality Pvt Ltd. Musalgaon, Sinnar.

Student List Total: 40+2 faculty=42

Roll No.	Student Name			Signature
1	SHRADDHA	KAILAS	AROTE	[Signature]
2	TEJAL	RAJU	BANEKAR	[Signature]
3	ARATI	BHANUDAS	BHADALE	[Signature]
4	SNEHAL	SUNIL	BHOR	[Signature]
5	VAISHNAVI	GANESH	BHOR	[Signature]
6	RUTUJA	SATISH	BHOR	[Signature]
7	SHREEYA	VIJAY	BHUJBAL	[Signature]
8	AKSHAY	ANIL	BIKKAD	[Signature]
9	TUSHAR	PRABHAKAR	CHAURE	[Signature]
10	SIDDHI	VIJAY	DEOKAR	[Signature]
11	ANUJ	ANIL	DEOKAR	[Signature]
12	SIDDHIKA	RAJENDRA	DHAVAL	[Signature]
13	ADITI	SANTOSH	DHOBAL	[Signature]
14	RUSHIKESH	RAJENDRA	DUKARE	[Signature]
15	ANIKET	GOPAL	FULSUNDAR	[Signature]
16	PRATIKSHA	RAMESH	GADKAR	[Signature]
17	ANIKET	VIKRAM	GADGE	[Signature]
18	SHRUTIK	NAVNATH	GADGE	[Signature]
19	PANKESH	SANTOSH	GADGE	[Signature]
20	MAYUR	DNYANESHWAR	GADGE	[Signature]
21	NIKITA	PRABHAKAR	GALANDE	[Signature]
22	SWAPNIL	SANTOSH	GAWADE	[Signature]
23	YUVRAJ	BAPURAO	GOSAVI	[Signature]
24	SARTHAK	JUABHAU	GUNJAL	[Signature]
25	RUTURAJ	SOMNATH	GADGE	[Signature]
26	TANUJA	PRADIP	HADAWALE	[Signature]
27	SAGAR	SHANKAR	JADHAV	[Signature]
28	SANCHITA	SIDDHESHWAR	JADHAV	[Signature]
29	TANAYA	SANTOSH	JATHAR	[Signature]
30	SIDDHESH	DATTA	KANASE	[Signature]
31	SANIKA	MANGESH	KAWADE	[Signature]
32	VIKRANT	NAVNATH	KHOKRALE	[Signature]
33	GIRIJA	MILIND	KOLHE	[Signature]
34	RUSHIKESH	HANUMANT	KORADE	[Signature]
35	TANAYA	BABAN	KUTAL	[Signature]
36	ROHAN	RAJU	KHAROSHE	[Signature]
37	SHRAVANI	EKNATH	MANSUKH	[Signature]
38	SONAL	BHASKAR	MATRE	[Signature]
39	SIDDHI	SHANKAR	MIGHOT	[Signature]
40	SAKSHI	SANDIP	MIGHOT	[Signature]

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VJSM's Vishal Institute Of Pharmaceutical Education And Research, Ale				
Dept: Training and Placement				
Class: Final Year B pharm & M Pharm 1 st year				
Event : Industrial Visit Date: 01/12/2023				
Name of Industry: SciTech Speciality Pvt Ltd. Musalgaon, Sinnar.				
Student List				
Sr No.	Student Name			Signature
1	SAHIL	INDRARAJ	PADEKAR	<i>[Signature]</i>
2	SUJATA	BHANUDAS	PANMAND	<i>[Signature]</i>
3	SAKSHI	KAILAS	PANSARE	<i>[Signature]</i>
4	ARATI	PANDURANG	PATADE	<i>[Signature]</i>
5	NIKHIL	NITIN	PINGAT	<i>[Signature]</i>
6	NILAM	RAJARAM	POKHARKAR	<i>[Signature]</i>
7	TEJASWI	SANTOSH	PINGAT	<i>[Signature]</i>
8	PARMESHWAR	SOMNATH	RAJKANWAR	<i>[Signature]</i>
9	HARSHADA	KISAN	ROKADE	<i>[Signature]</i>
10	OMKAR	BALASAHEB	SAID	<i>[Signature]</i>
11	GOVIND	PANDURANG	SANAP	<i>[Signature]</i>
12	KANUJA	KAILAS	SHEWALE	<i>[Signature]</i>
13	VAISHNAVI	SATISH	SHINDE	<i>[Signature]</i>
14	VARSHA	SANTOSH	SHINDE	<i>[Signature]</i>
15	VAISHNAVI	SHASHIKANT	SOMWANSHI	<i>[Signature]</i>
16	VARSHA	MACHINDRA	SONAWANE	<i>[Signature]</i>
17	SAMEEKSHA	BHARAT	TAJAVE	<i>[Signature]</i>
18	TRUPTI	DNYANESHWAR	TAVHARE	<i>[Signature]</i>
19	SNEHAL	TUKARAM	TAVHARE	<i>[Signature]</i>
20	RUTUJA	RAJENDRA	UKIRDE	<i>[Signature]</i>
21	SAKSHI	NILESH	WAGH	<i>[Signature]</i>
22	ABHISHEK	DADABHAU	WALUNJ	<i>[Signature]</i>
23	PRACHI	RAVINDRA	WAVHAL	<i>[Signature]</i>
24	YASH	SANDEEP	WAYAL	<i>[Signature]</i>
25	SHARDUL	DEEPAK	WADKAR	<i>[Signature]</i>



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26	NIKITA	BHASKAR	BHAPKAR	<i>[Signature]</i>
27	AARTI	SUBHASH	BUCHUDE	<i>[Signature]</i>
28	AISHWARYA	APPASO	GIRI	<i>[Signature]</i>
29	TEJASHRI	DINKAR	KADALE	<i>[Signature]</i>
30	NILAM	DEVAM	NAGARE	<i>[Signature]</i>
31	SHWETA	GHANSHAM	NALAWADE	<i>[Signature]</i>
32	SAMEER	SANTOSH	PACHPUTE	<i>[Signature]</i>
33	AKSHADA	ARJUN	VIDHATE	<i>[Signature]</i>
34	PRATIKSHA	KISAN	ADHAL	<i>[Signature]</i>

35 sarthak Jijabhai Ganjal

M Pharm 1st year

pharmaceutics

Sr No.	Student Name			Signature
1.	Dhanashri	Shantaram	Jadhav	<i>[Signature]</i>
2.	Tejal	As Ashok	Shinde	<i>[Signature]</i>
3.	Rohit	Dattatraya	Chakhe	<i>[Signature]</i>
4.	Onkar	Saran	Mandlik	<i>[Signature]</i>

Teaching Faculties:

1. Dr. Dhanashri S.M.
2. Ms. Chinchawade A.B.



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Brief Report –

Industrial visit was carried out for Final year B.Pharm students at SciTech Specialities Pvt. Ltd., Sinnar Nashik. Total 39 students along with two faculty members Ms. Chinchawade A. B and Mr A A Sonawane were visited to plant number two on 06 October 2023 & 02December 2023. Training Manager and the officials of the industry of the particular unit explained our students about the various Compounding, Dispensing, and packaging department. The students had good interaction with them. They also briefed the students about the process flow and Quality assurance Dept. It was very informative and learning experience for students and faculty members. After reached at industry, all students were divided in to two groups along with staff members and each group was headed by one representative of company who helped them to understand how operations are carried out in company. Mr. Satish Nandgude sir, Mr. Chaitanya Borawake sir and Ganesh Sir employee of the industry has guided us during visit.



**VISHAL INSTITUTE OF PHARMACEUTICAL
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Dr. S. L. Jadhav
Principal

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P.C.I. Inst. Code : PCI-2620 | D.T.E. Inst. Code : 6361 | University I.D. No. : CPHP012670

3. PROBLEM SOLVING METHODOLOGIES

Sr. No.	Name of Documents
3.1	Expert talk through Seminar/ Workshops
3.2	Competitive Examination





VISHAL JUNNAR SEVA MANDAL'S
**VISHAL INSTITUTE OF PHARMACEUTICAL
EDUCATION & RESEARCH**

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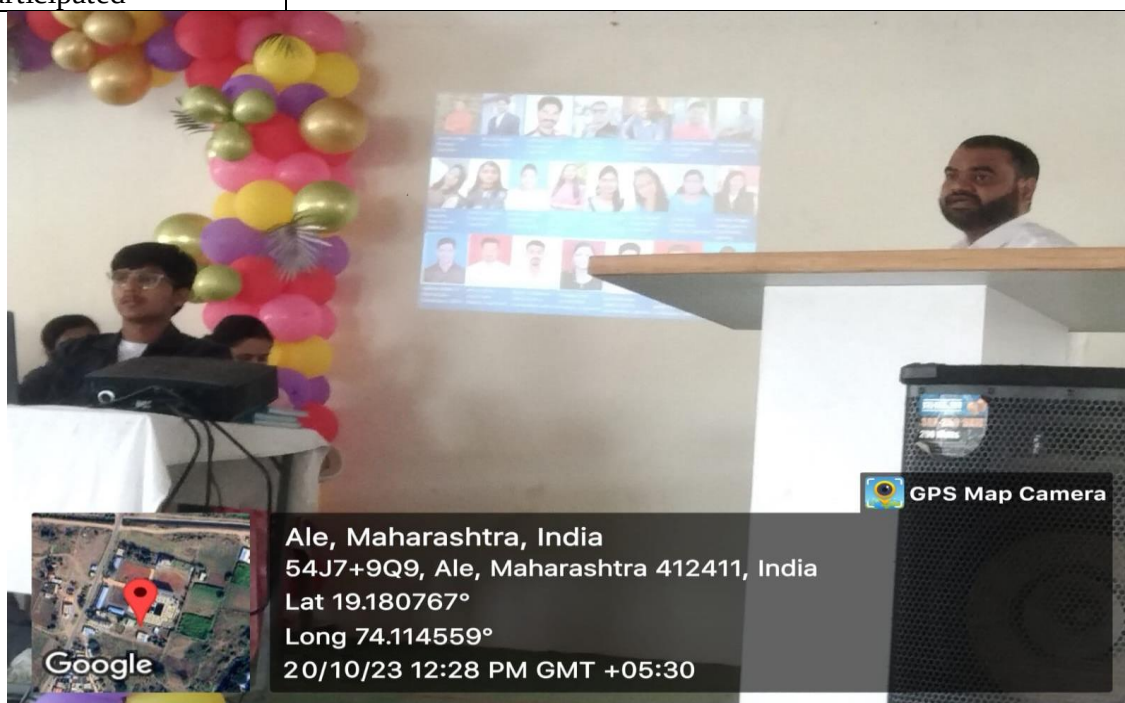
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3. PROBLEM SOLVING METHODOLOGIES

3.1. EXPERT TALK THROUGH SEMINAR/ WORKSHOP



Name of event- Career in Pharmacovigilance	
Date	20/10/2024
Year	2023-24
Name of resource person	Mr. Amir Shaikh
Number of students participated	150



Brief report

Name of resource: Mr. Amir Shaikh (Alumni 2011 batch)

This session of career in PV arranged for third and final year students to know actual application of this sector and opportunities in it. The content delivered by Mr. Amir Shaikh (Alumni 2011) Manager, Labcorp Drug Development, Pune.

Name of event- Career in Marketing	
Date	10/04/2024
Year	2023-24
Name of resource person	Mr. Ganesh Sahane
Number of students participated	74



EVENT REPORT

NAME OF EVENT: Career in Marketing

VENUE: VIPER, Ale

DATE: 10/04/2024

No. of participants: 74

Name of resource: Mr. Ganesh Sahane (Alumni 2011 batch)

This session of career in Marketing arranged organized in collaboration with Vishal Junnar alumni association for final year students to know actual application of this sector and opportunities in it. The content delivered by Mr. Ganesh Sahane (Alumni 2011) senior business officer at Zydus Cadila.

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Name of event- Clinical research Orientation Program	
Date	14/10/2024
Year	2023-24
Name of resource person	Ingenious health care
Number of students participated	74



EVENT REPORT

NAME OF EVENT: Clinical research orientation program

VENUE: VIPER, Ale

DATE: 14/10/2023

No. of participants: 75

Name of resource: Ingenious healthcare Pvt Ltd. Pune

This is clinical research courses orientation program arranged for final year students to join various clinical research program. The course content delivered by Mr. Bharat kshirsagar and Mrs. Parnavi Rawal from Ingenious healthcare Pvt Ltd. Pune.





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Name of event- Employability enhancement program	
Date	12/03/2024
Year	2023-24
Name of resource person	Naandi Foundation
Number of students participated	91



EVENT REPORT

NAME OF EVENT: Employability enhancement training

Duration: 4 Days

VENUE: VJSM VIPER, Ale

DATE: 12/03/2024-15/03/24

No. of participants: 91

Program Sponsored by: Naandi Foundation-Mahindra pride classroom

Trainer: Mr. Chinmay Abhangrao

Employability enhancement training by Naandi foundation – Mahindra pride classroom aims at improving the employability skills of the womens. Under this program, students will be trained by Corporate Trainer Mr. Chinmay Abhangrao to enhance their communication skill, presentation skill and interview preparation which would help them significantly to increase their chance of succeeding in a job interview.





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3. PROBLEM SOLVING METHODOLOGIES 3.2. COMPETATIVE EXAMINATION





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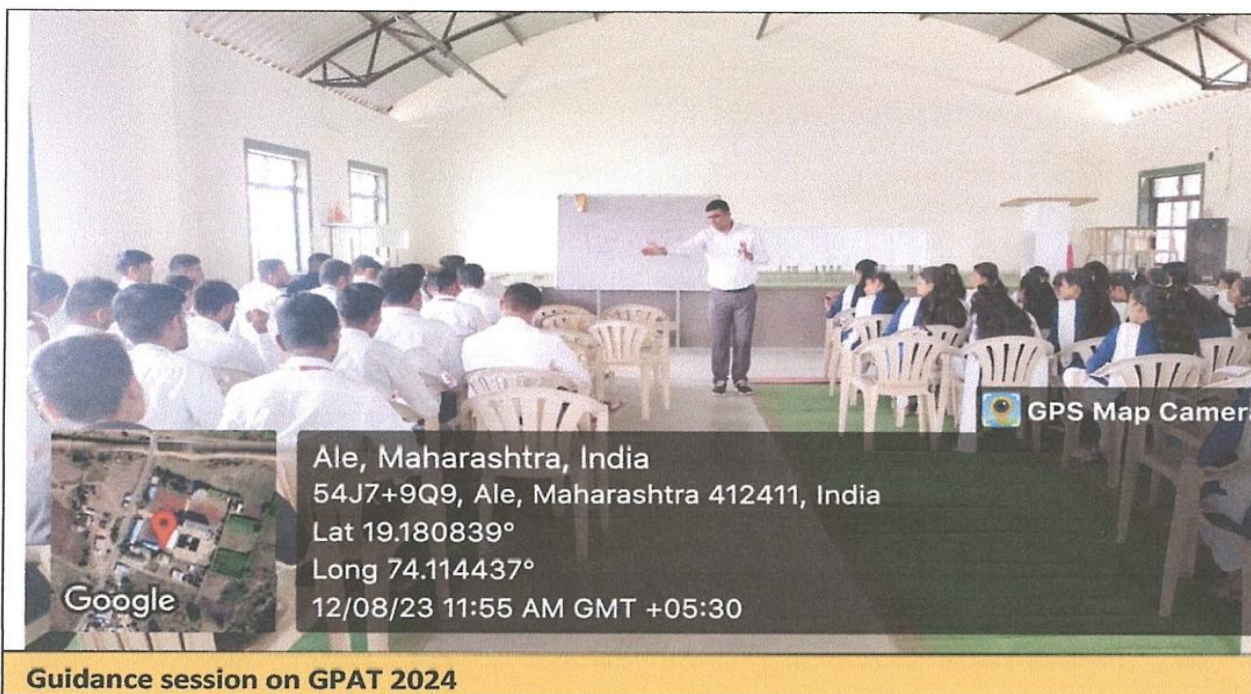
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Guidance session on GPAT 2024

DATE	12/08/2023
VENUE	VIPER ALE
NAME OF RESOURCE PERSON	Dr. Rajendra Patil, JSPM's Rajarshi Shahu College of Pharmacy & Research, Tathawade.
NUMBER OF STUDENTS PARTICIPATED	151



The Session was organized with the aim of providing information and preparation aspects of GPAT exam. **Dr. Rajendra Patil, JSPM's Rajarshi Shahu College of Pharmacy & Research, Tathawade**, conducted this informative session, which includes,

- ✓ To create awareness of GPAT among the students.
- ✓ To provide necessary information and guidance for preparation of GPAT examination.





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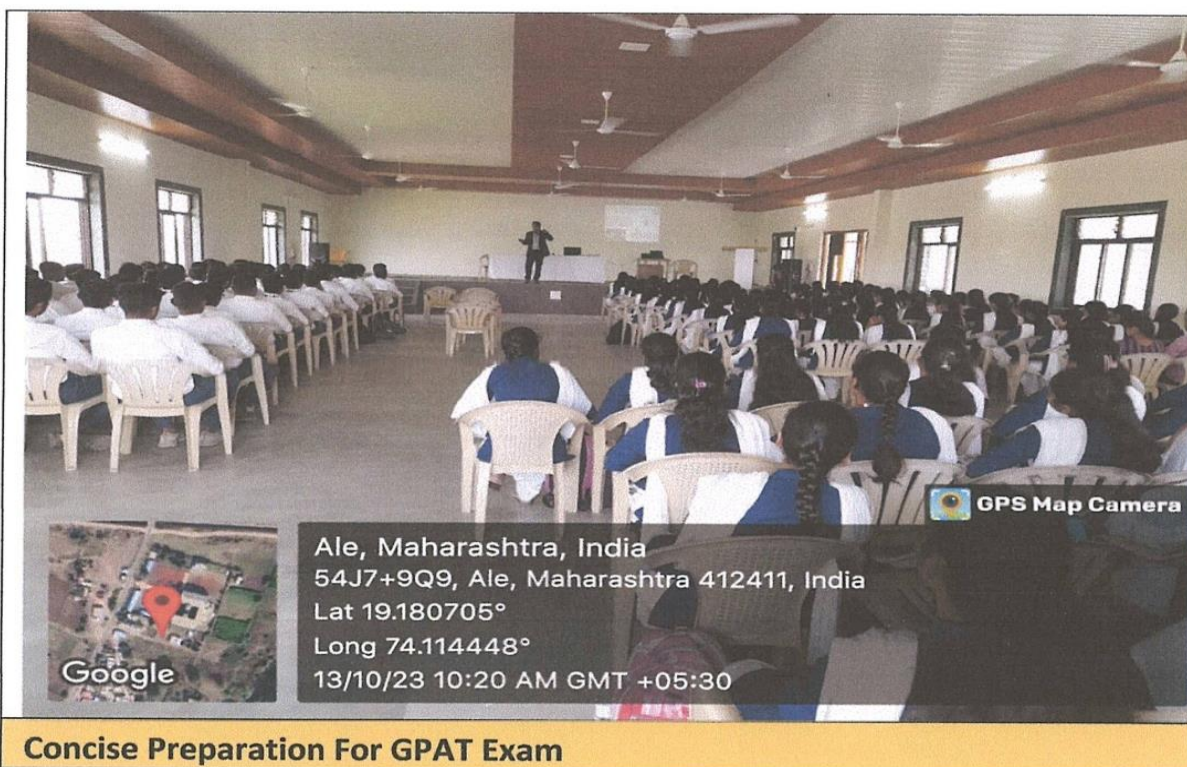
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Concise Preparation For GPAT Exam

DATE	13/10/2023
VENUE	VIPER ALE
NAME OF RESOURCE PERSON	Mr. Vijaykumar Chakote, Professional GPAT Teacher, Pharmastar Academy, Nanded.
NUMBER OF STUDENTS PARTICIPATED	226



The Session was organized with the aim of providing information and preparation aspects of GPAT exam. **Mr. Vijaykumar Chakote, Pharmastar Academy, Nanded**, conducted this informative session.





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LIST OF GPAT QUALIFIED STUDENTS IN ACADEMIC YEAR = 2023-24

Sr. No.	Name of Student	Year
1	Bhujbal Shreeya V.	GPAT 2024
2	Pingat Nikhil N.	GPAT 2024
3	Bhadale Arati B.	GPAT 2024
4	Ichake Harshad S.	GPAT 2024
5	Kashid Pratiksha D.	GPAT 2024

