



Vivekanand Education Society's College of Pharmacy

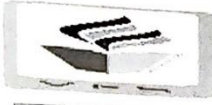
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Welcome to Vivekanand Education Society Mail - Fwd: Webinar on "Insights in ACG Technology" for the VES College of Pha...



aparna palshetkar <aparna.palshetkar@ves.ac.in>

Fwd: Webinar on "Insights in ACG Technology" for the VES College of Pharmacy on Thursday June 24 2021 on Zoom
4 messages

Leena Amanna <leena.amanna@acg-world.com> Tue, Jun 22, 2021 at 7:12 PM
To: aparna palshetkar <aparna.palshetkar@ves.ac.in>
Cc: Kartik Pandian <kartik.pandian@acg-world.com>, Yogesh Wadhavane <yogesh.wadhavane@acg-world.com>

Dear Aparna

Please find here below the link to join the training on Thursday June 24 2021.

Request you to share it with your students and faculty. The names you are yet to share with please share latest by tomorrow.

Is your principal or senior going to join us then please share the names and designation with me for my welcome address.

Best regards

Leena

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From: Kartik Pandian <kartik.pandian@acg-world.com>
Sent: Tuesday, June 22, 2021 5:53:57 PM
To: Leena Amanna <leena.amanna@acg-world.com>
Subject: Webinar on "Insights in ACG Technology" for the VES College of Pharmacy on Thursday June 24 2021 on Zoom

Dear Delegate,

Greeting from ACG !

We thank you for having registered for Webinar on "Insights in ACG Technology" for the VES College of Pharmacy on Thursday, June 24, 2021 between 11 am to 6 pm.

As the meeting is on Zoom, please find the Meeting invite.

Topic: Insights in ACG Technology

Time: Jun 24, 2021 11:00 AM India

Join Zoom Meeting

<https://zoom.us/j/93209628748?pwd=VUITS1dSSDJomnBYa0IMTjdTbWU3QT09>

Meeting ID: 932 0962 8748

Passcode: 612095



em
Dr. (Mrs.) Supriya S. Shidhaye
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Chembur, Mumbai - 400 074.

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Industrial Visit Report A.Y 2020-21

PROGRAM COMMITTEE

Details of activity:

Name of the Activity	Visit to ACG Group		
Day, Date	Friday 24-06-2021	Department/ Committee/Faculty	
Venue	Online Microsoft Teams	Time	11:30am to 1:00 pm
Nature of activity	Field work	Total no. of participants	164

Activity Information:

Objectives	1. Visit to pharmaceutical manufacturing company 2. to understand the process behind manufacturing and packaging of pharmaceuticals
Outcomes	The activity correlated to course Students were be able to 1. Understand the structure and functioning of a pharmaceutical company 2. Learnt the working of latest instrument used for manufacturing and packaging of capsule dosage form 3. Visualize the application of theoretical knowledge and helped in experiential learning

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

Notice and communication	Feedback form
Student list of participation	Feedback analysis
Photos	Media news details
Certificate	Any other

Dr. Aparna Palshetkar <i>Aparna</i>	Mrs. Vidhi Bhatia <i>Vidhi</i>	Dr. Rajashree Hirlekar <i>Rajashree</i>
Name & Signature of Coordinator	Name & Signature of Head/Committee In charge	Name & Signature of IQAC Coordinator

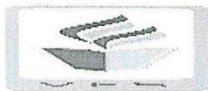
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gk
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+1 301 715 8592 US (Washington DC)

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Passcode: 612095

Find your local number: <https://zoom.us/j/aeFd026SwI>

We look forward to welcoming you in our midst during the Webinar. Your presence will make the event more successful.

With best regards

Leena Amanna

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aparna palshetkar <aparna.palshetkar@ves.ac.in> Tue, Jun 22, 2021 at 8:12 PM
To: Avinash Suryawanshi <avinash.suryawanshi@ves.ac.in>, Rashmi Wani <rashmi.wani@ves.ac.in>, Pratik Barve <pratik.barve@ves.ac.in>, Harsha Kathpalia <harsha.kathpalia@ves.ac.in>, Supriya Shidhaye <supriya.shidhaye@ves.ac.in>, Rajashree Hirlekar <rajashree.hirlekar@ves.ac.in>

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Best Regards,
Dr. Aparna Darshan Palshetkar
Assistant Professor in Pharmacy,
VES College of Pharmacy,
Mumbai 400074, Maharashtra, India
+ 91 9137799747

aparna palshetkar <aparna.palshetkar@ves.ac.in> Wed, Jun 23, 2021 at 8:58 AM
To: Leena Amanna <leena.amanna@acg-world.com>
Cc: Kartik Pandian <kartik.pandian@acg-world.com>, Yogesh Wadhavane <yogesh.wadhavane@acg-world.com>

Dear Ms. Leena,
I have included our Principal madam's name Dr. Supriya Shidhaye in the attached sheet. Madam will join the session in the afternoon, if by any chance she is present in the morning I will inform you.
Please include another faculty's name: Dr. Rajashree Hirlekar (HOD).

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<https://mail.google.com/mail/u/2?ik=b719751a71&view=pt&search=all&permthid=thread-f%3A1703274750483639422&siml=msg-f%3A1703274...> 2/3

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Wed, Jun 23, 2021 at 10:00 AM

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To: aparna palshetkar <aparna.palshetkar@ves.ac.in>

Cc: Kartik Pandian <kartik.pandian@acg-world.com>, Yogesh Wadhavane <yogesh.wadhavane@acg-world.com>

Dear Aparna

Will do.

Best regards

LEENA AMANNA

SENIOR MANAGER AIM (CHAIRMAN'S OFFICE)



1001, Dalamal House, 10th Floor, Nariman Point, Mumbai

Cell: 91-7506060988 | Phone :02250961450

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From: aparna palshetkar <aparna.palshetkar@ves.ac.in>

Sent: 23 June 2021 08:58

To: Leena Amanna <leena.amanna@acg-world.com>

Cc: Kartik Pandian <kartik.pandian@acg-world.com>; Yogesh Wadhavane <yogesh.wadhavane@acg-world.com>

Subject: Re: Webinar on "Insights in ACG Technology" for the VES College of Pharmacy on Thursday June 24 2021 on Zoom

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REPORT
ON
INDUSTRIAL VISIT
TO
ACG

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PHARMA MANUFACTURING
SOLUTIONS COMPANY
AT VES COLLEGE OF
PHARMACY, CHEMBUR

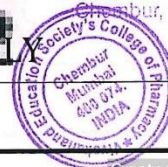
ON

24TH JUNE 2021

V.E.S.

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Introduction to ACG:-

ACG started in the year of 1964 at Kandivali (Mumbai, India). Today, ACG is the second largest capsule manufacturing company and one of the world's largest solid dosage form equipment manufacturing companies. Mr. Ajit Singh is the chairman of ACG, and Mr. Jasjit Singh is the Co-chairman of ACG. Subsequently, the company expanded to other countries and diversified into related businesses in the pharmaceutical sector. These include equipment manufacturing, packaging, inspection, testing, research and development. ACG provides empty hard pharmaceutical capsules, encapsulation machinery, tablet coating systems, tablet compression systems, fluid bed equipment, tablet tooling and performance enhancers, along with online and inline analytical and inspection systems. The company also provides blister packing, high barrier packaging films, carton packing machines, camera inspection systems, candy-wrapping machines and end-of-line case packers. ACG has about 4,500 employees and is one of the leading manufacturers of empty hard-shell capsules. The ACG group offers manufacturing, packaging, research and development services for the pharmaceutical industry. ACG is present in 15 countries, with six manufacturing locations, and it is serving more than 100 countries. Various ACG capsule plants are located at Shirwal, Pithampur, Dahanu, Lukaps, Croatia. The ACG's student engagement program mainly include

- ACG plant visit
- Internships in ACG
- Scholarships and Awards
- Projects with colleges
- Museums
- Lecture series in colleges

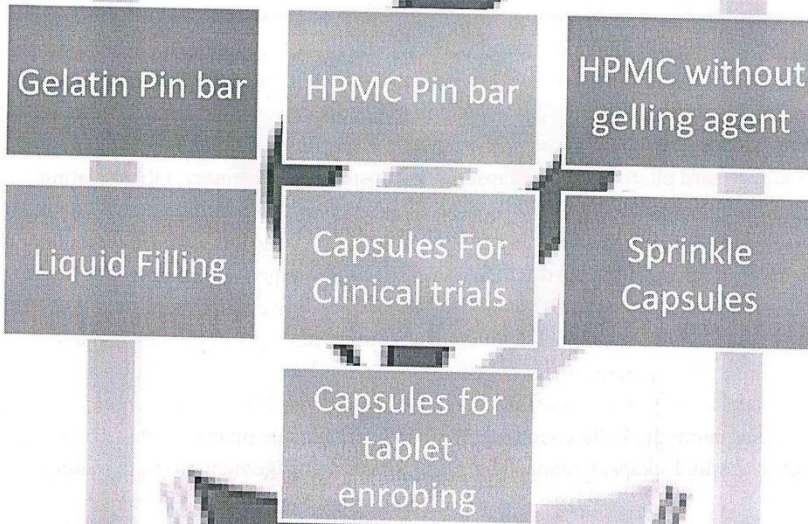
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Pin Bar Design



Manufacturing of empty hard capsules:-

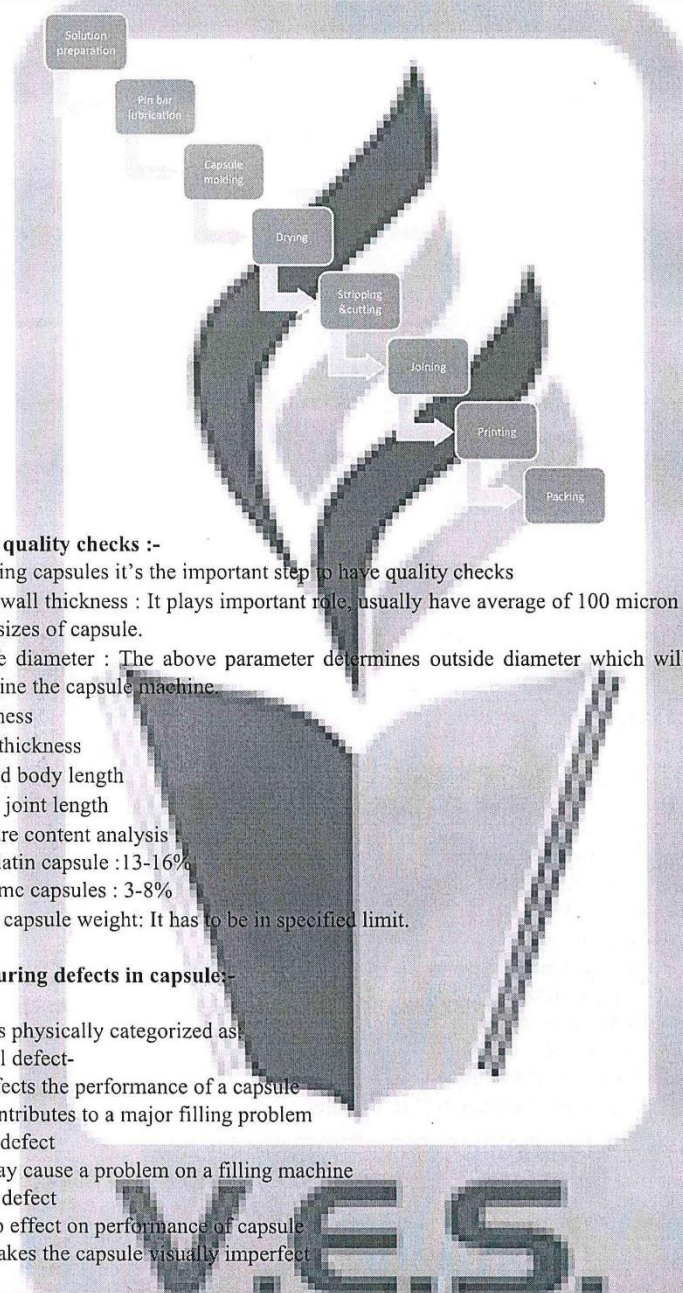
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In process quality checks :-

While making capsules it's the important step to have quality checks

- Single wall thickness : It plays important role, usually have average of 100 micron shell thickness for all sizes of capsule.
- Outside diameter : The above parameter determines outside diameter which will be helpful to determine the capsule machine.
- Brittleness
- Dome thickness
- Cap and body length
- Closed joint length
- Moisture content analysis
 - For gelatin capsule : 13-16%
 - For hpmc capsules : 3-8%
- Empty capsule weight: It has to be in specified limit.

Manufacturing defects in capsule:-

The defects physically categorized as

- 1) Critical defect-
 - a) affects the performance of a capsule
 - b) contributes to a major filling problem
- 2) Major defect
 - a) May cause a problem on a filling machine
- 3) Minor defect
 - a) No effect on performance of capsule
 - b) Makes the capsule visually imperfect

Critical defects	Major defects	Minor defects
Holes	Loose pieces	Minor splits

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Uncut cap/body	Double caps	Minor rough cuts
Cracked/split	Major rough cuts	Minor punched dome
Telescoped	Major punched dome	Bubbles
Mashed	Thin spots	Wrinkles
Trims	Short cap	Star ends
String on end	Long body/ cap	Specks

Evaluation of hard capsules:-

1. Identification tests
2. Moisture- loss on drying
3. Disintegration time
4. Average weight of capsule
5. Heavy metals
6. Microbial limit
7. Residual lubricant content

Capsule variants available:-

1. Gelatin capsules
2. Gelatin with plasticizer
3. Fish gelatin capsule
4. HPMC capsule
5. HPMC capsule without gelling agent
6. Delayed release capsule
7. Pullulan capsule
8. Tabsule - capsules for tablet enrobing
9. Pearlz capsules

Capsule product range:-

- 1) ACGcaps GR - regular gelatin capsules
- 2) ACGcaps GL - liquid fill gelatin capsules
- 3) ACGcaps GI- dry powder inhalation gelatin capsules
- 4) ACGcaps GC - gelatin capsules for clinical trials
- 5) ACGcaps GF - fish gelatin capsules
- 6) ACGcaps HR - regular HPMC capsules
- 7) ACGcaps H⁺ - HPMC plus capsules
- 8) ACGcaps HD- delayed release HPMC capsules
- 9) ACGcaps HL - liquid fill HPMC capsules
- 10) ACGcaps HI- dry powder inhalation HPMC capsules

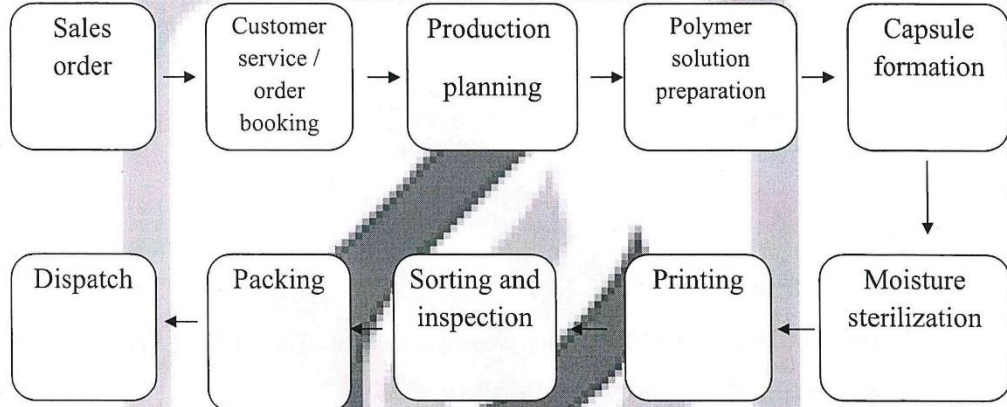
Process flow of development :-

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PACKING :

Primary - food grade multi layer co-extruded poly bag

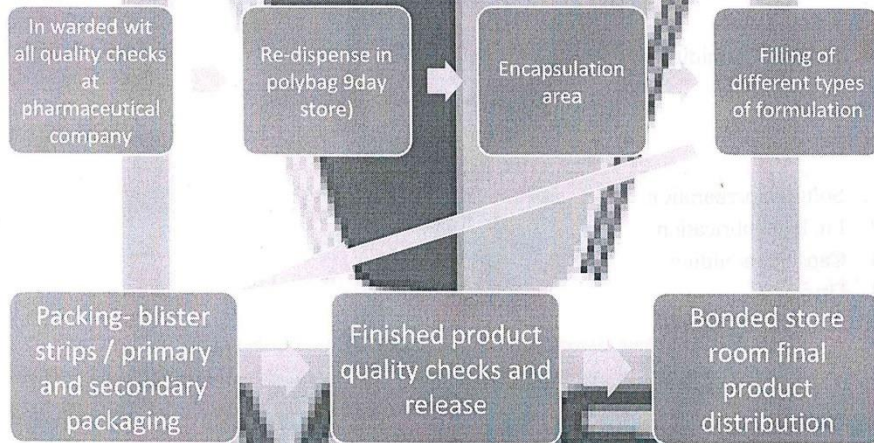
Secondary - corrugated cartons or may change depending upon the customer need.

STORAGE :

Temperature - 15 C TO 30 C (59F TO 86F)

Relative Humidity - 35% - 65%

Empty Capsule journey :-



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Technology In Capsule Manufacturing: A Journey

Presenters: Dr. Jnanadeva Bhatt and Anita Solanki

Dr. Bhatt mentioned about the history of Hard capsules dated from 1834- (one piece capsule) to 1989(two piece capsule) – A history of 170-years and continued further with the following points:

Materials of construction:

Polymer Characterization: Film forming property, tensile strength and thermal properties

Source: Animal (Gelatin) and Vegetarian (HPMC)

TYPE A	TYPE B
Acid Hydrolysis	Alkaline Hydrolysis
Procine skin	Bovine hide and bones

Critical Parameters:

- Solution preparation
- Viscosity of solution
- Machines (Automatic and Semi automatic)
- Pin bars (Different for Gelatin and HPMC)
- Temperature
- Relative Humidity
- Drying cycle

PROCESS:

1. Solution preparation
2. Pin bars lubrication
3. Capsule moulding
4. Drying
5. Stripping / Cutting
6. Joining
7. Printing
8. Packing

(A video on manufacturing process was showcased)

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- a) Wall thickness/ dome thickness
- b) Cap and body length
- c) Closed joint length
- d) Moisture analysis
- e) Weight and analysis

Defects:

Critical : Holes , Cracked

Major : Loose pieces, Long body/ Cap

Minor: Wrinkles, Bubbles

Evaluation:

- Identification test
- LOD
- Disintegration time
- Average weight of Capsule
- Heavy metal
- Microbial Limit
- Residual lubricant content

Variants:

Fish gelatin Capsule

Pullulan Capsule

Pearlz Capsule

Tabsole (Capsule for tablet enrobing)

At the end he gave a summarized overview of manufacturing process and the Capsule shells available.

Miss Anita Solanki Maam gave an idea about new application and technology in Hard capsules.

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Track and Trace Requirements for Pharmaceutical Industry

Definitions-

- 1) Track and Trace can be defined as the process of identifying, capturing and, sharing.
- 2) The product information to determine its current and past-
 - Location(s), and
 - Owner(s)as the product is sold or transferred across the supply chain.
- 3) Using this Traceability information, the pharmaceutical product can be tracked forward throughout the supply chain and traced back in the supply chain from end-user(consumer) to Supplier or Manufacturer.

Need for Track and Trace and Global Science-

Overcome and Terminate the "Lucrative/Cheap" Counterfeit market of Pharmaceutical Products

▪ 'Counterfeiting or Fraud' increases to exist putting the patients safety at risk as well as drug manufacturer credibility loss in manufacturing and distribution of other pharmaceutical products in the market.

• Counterfeiting industry adopts practices such as-

- 1) low cost instruments or machines for manufacturing,
- 2) unhygienic and unwarranted health and safety quality standards
- 3) unauthorized distribution channels and many other illegitimate procedures.

Definition of Counterfeiting-

World Health Organization (WHO) definition of counterfeit products -

Product that is :

- deliberately and fraudulently mislabelled with respect to identity,

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composition and/ or source.

Counterfeiting of medicines can apply to both branded and generic products.

Counterfeit products may include products:

1. with the correct ingredients or
2. With the wrong ingredients, or
3. without active ingredients, or
4. with incorrect quantities of active ingredients, or
5. with fake packaging.

Global Fight against Counterfeiting-

Counterfeiters have already penetrated distribution of vaccines and cures or immunity boosters related to Coronavirus (COVID-19).

In March 2020, Europol published a warning that there will be a rise in crime related to the COVID-19 pandemic.

Counterfeiters benefit from stoking people's fears of shortages and make profits and boost the counterfeit industry.

Counterfeit drugs are a serious threat to the public health and also cause economic losses for the pharmaceutical industry.

Track and Trace - Present and Future

- Turkey was the first country to implement a full pharmaceutical track and trace system throughout the entire regulated domestic supply chain.
- Pharmaceutical products are labelled with a Barcode containing unique Indian Aadhar Number or US Social Security number) Worldwide Government Authorities/Regulatory Bodies are defining the guidelines and recommendations for product traceability to-
 1. authenticate products and
 2. bring visibility to the movements of the products
- In the supply chain.

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1. Blockchain and Crypto codes are upcoming technology options considered for implementing secured traceability systems.

Global Scenario of Counterfeit medicines

According to the World Health Organization, an estimated 10 to 15% of the world's drug supply is counterfeit.

Global Standards and Country-wise Regulatory Authorities

GS1 (Global Standard)

1. provides the global and common language for traceability solutions and
2. aims to assist organisations and industries in the design and implementation of traceability systems based on the GS1 system of standards.

Each country has adopted GS1 or custom Traceability standards to implement their own Track and Trace system.

For example,

1. USA: US FDA enforced Drug Supply Chain Security Act (DSCSA) for products manufactured and distributed in US States.
2. Russia: Crypto Code based Track and Trace System designed by CRPT
3. India: Traceability based on DGFT (Directorate General of Foreign Trade) guidelines
4. Europe: EU FMD's EMVS Traceability system (All European Countries)
5. Brazil: ANVISA SNCM Traceability System

Traceability Concept #: Serialization

1. Definition: Generating and applying a unique serial number for each unit (Saleable) product to identify it individually at different times in the supply chain
2. Serial Numbers along with other identifiers are printed (on flap) or body on each product in human readable form as well as machine readable form.

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Traceability Concept #: Aggregation

1. Definition: Process of packaging and grouping more than one unit (saleable) products and form a group package.
2. Each aggregated box is also labelled with a unique serial number.

Traceability Concept #: Data Sharing

1. Definition: The creation, storage and sharing of product traceability data from one party to another as the product moves across the supply chain
2. Global and Country specific specifications and standards are established defining the:
 - Data Format
 - Data Elements and Contents
 - Data Transfer methods

Product Packaging Examples-

1. Primary- Unit Packaging Level

Definition: Primary packaging refers to the materials that make direct physical contact with the product. This level of packaging is often called the retail or consumer packaging of an item.

2. Secondary- Case Packaging Level

Definition: Secondary packaging is the exterior packaging of the primary packaging that groups packages and further protects or labels the drug product.

3. Tertiary- Shipper Packaging Level

Definition: Tertiary packaging is used for the transport and safe handling of goods or grouped packaging Tertiary packaging is used for bulk handling, storage, and distribution.

Product in Scope for Track and Trace

1. Supplied Prescription (Rx) Drugs (registered & non registered)
2. Supplied OTC Drugs (registered & non-registered)

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3. Vaccines
4. Narcotics
5. Food Supplements
6. Herbal Health Supplements

*Product category may vary from one country to another based on the regulated marked requirements.

Packaging Sequence-

- Primary packaging
- Secondary packaging
- Bundle
- Carton/Case
- Pallet

ACGI Track and Trace Solution-

VERZSHIELD

ACGI Verishield Systems

1. Unit Serialization

VeriShield CA Series

- Solution for Serialination on Carton Pack
- Integrated solution for Carton Printing Inspecting and rejection
- Multi functional solution, also support non-sterilization mode

2. Aggregation

- Solution for Aggregation requirements on Carton Bundles & Shipper
- Camera based multi layer aggregation

3. Pallet Aggregation

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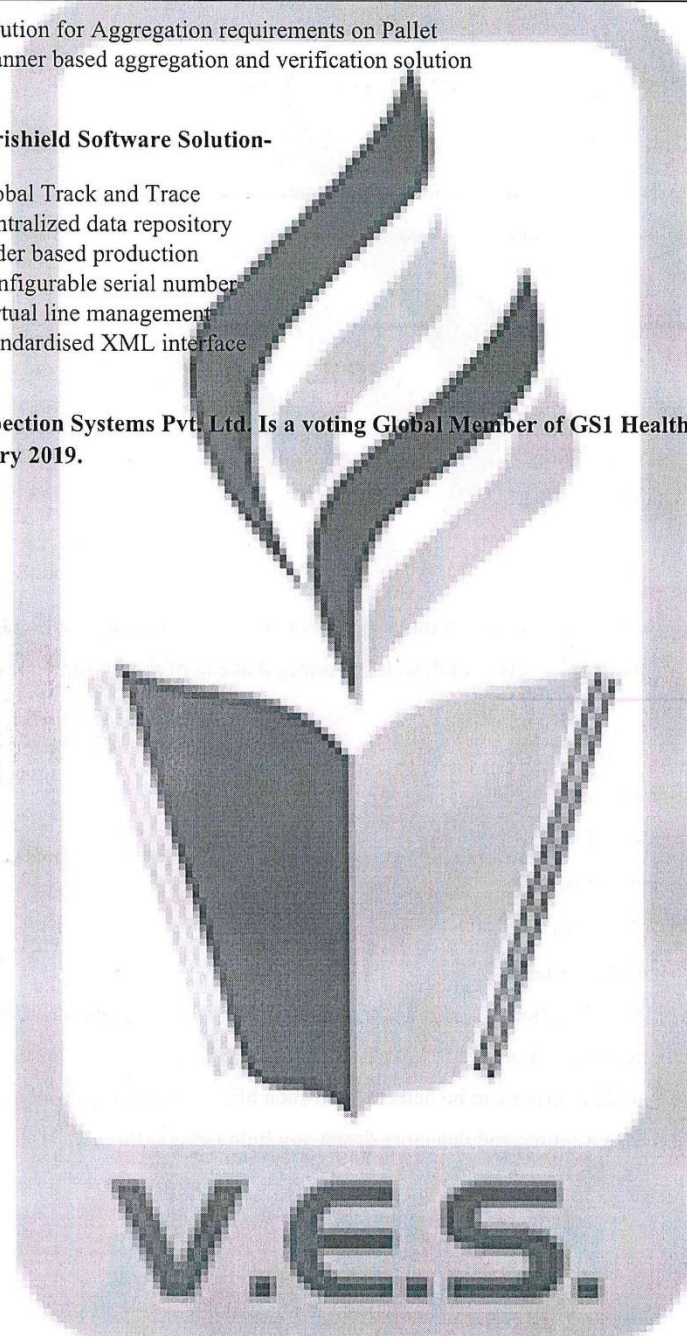
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- Solution for Aggregation requirements on Pallet
- Scanner based aggregation and verification solution

ACGI Verishield Software Solution-

- Global Track and Trace
- Centralized data repository
- Order based production
- Configurable serial number
- Virtual line management
- Standardised XML interface

ACG Inspection Systems Pvt. Ltd. Is a voting Global Member of GS1 Healthcare since 01st January 2019.



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Inspection product portfolio

Inspection of the product is done to make sure that the final product that reaches the market meets the requirement and comply with the specifications. Qualishield contains series of devices that are used for quality control which includes: -

1. Qualishield BS series
2. Qualishield PH series
3. Qualishield CV series
4. Qualishield CF series
5. Qualishield CL series
6. Qualishield BF series

1) Qualishield BS series

This is a blister inspection system that ensures consistency in packing with high speed and high resolution. Tablets with defects are rejected at end of the line and goes into the rejection bin.

can be used for tablets, capsules and soft gel.

Different models include: -

- Qualishield BS1
- Qualishield BS20
- Qualishield BS30

2) Qualishield PH series

It is a pinhole detection system that is integrated with a blister packing machine and helps in the detection of pinholes, fissures and pores on blisters.

Holes up to 25 microns can be detected and such blisters are rejected. It makes use of LED lights as a source and detectors detect any light passing through, if the light is detected blisters are rejected. This type of system is used only for aluminium foil blisters.

3) Qualishield CV series

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Used for inspection of barcodes, pharmacodes, human-readable data on the carton, leaflets and aluminium foil. This can be clubbed with a blister suite as per requirement.

Carton print inspection and reject system: -

a) Qualishield CV10 and Qualishield CV20.

These are used for folded carton, it contains online carton code printing, inspection and rejection. Qualishield CV20 is slimmer and has a higher speed.

b) Qualishield CV30 and Qualishield CV40

These are used for offline carton printing and inspection of unfolded carton and leaflets. Consist of stacker and feeder mechanism.

4) Qualishield CF series

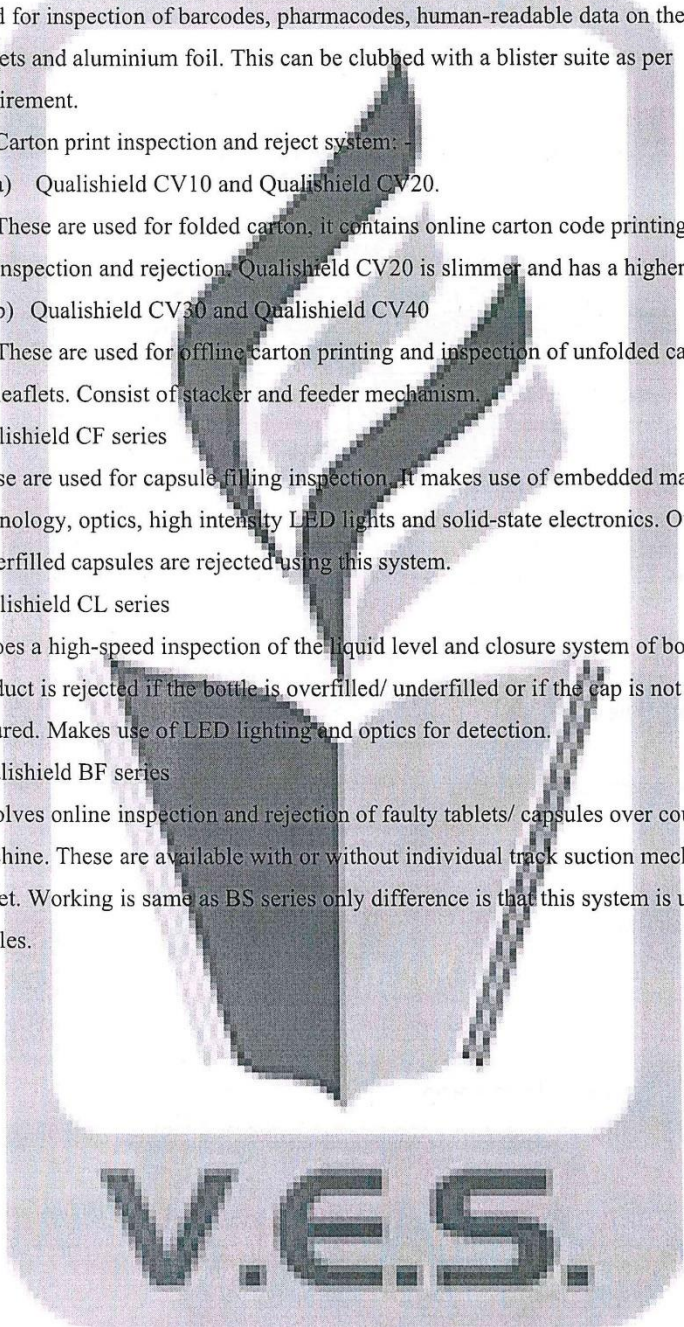
These are used for capsule filling inspection. It makes use of embedded machine technology, optics, high intensity LED lights and solid-state electronics. Overfilled or underfilled capsules are rejected using this system.

5) Qualishield CL series

It does a high-speed inspection of the liquid level and closure system of bottles; the product is rejected if the bottle is overfilled/ underfilled or if the cap is not properly secured. Makes use of LED lighting and optics for detection.

6) Qualishield BF series

Involves online inspection and rejection of faulty tablets/ capsules over counting machine. These are available with or without individual track suction mechanism for tablet. Working is same as BS series only difference is that this system is used for bottles.

The logo for VES College of Pharmacy is a large, stylized shield shape. Inside the shield, there is a graphic of an open book with a lamp of knowledge above it. Below the shield, the letters 'V.E.S.' are written in a bold, blocky font.

V.E.S.

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ACG Important Equipment's

➤ List of equipment of solid dosage form

Tablet	Capsule
Granulation machine	Granulation machine
Tablet press and tooling	Empty hard capsule
Tablet coating machine	Capsule filling machine
Tablet inspection machine	Capsule checkweighers
Packaging films and foils	Packaging films and foils
Blister packing machine	Blister packing machine
Cartoning machine	Cartoning machine
Track and trace and inspection solutions	Track and trace and inspection solutions

ACG engineering install 20,000+ machine in the 100+ present countries with satisfied customers need from last 20+ years of unmatched experience in process optimization to formulate 5000+ formulation.

➤ Aftermarket Solution (after sale services)

- Spares:

For ACG engineering machines

- Services:

Installation and commissioning

Call based service

AMC service

Technical consulting

Upgrades

➤ Granulation

Advanced closed loop granulation system

ACG provides a modern integrated granulation system that addresses these cost, compliance and efficiency expectations.

It starts from the charging of powders in the high-shear mixer (HSM) for granulation, and continues with the transfer of wet granules through the wet mill, then onto drying in the fluid bed dryer (FBE), to the dry mill, and finally to be discharged into a bin or blending equipment.

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ACG's GT X-ONE is an integrated granulation technology platform that allows for high-volume production of granulated intermediates and increased output, driving efficiency at a higher scale.

- Integrated granulation suites with 12 bar pressure shock resistance available.
 - Range of solutions including R&D scale machine 0.1-5.5 kg and production scale machines 5-745 kg.
 - Machines to handle batch sizes from 200 ml to 1275 Liters available.
- Encapsulation
- More than 1600 installations worldwide for different types of capsule fillers.
 - Ability and expertise to encapsulate wide range of difficult formulations. Encapsulated more than 3000 formulations worldwide.
 - Encapsulation principles – tamping and dosator to suit different formulation needs.

High yield capsules filling machine

Patented ZRO design for dust free operation and improved yield.

Accura 20DFF is used for 100% capsule check weighing.

Capsules output for R&D scale machine is 1000-6000 capsules/hrs. and production scale machines are 40,000-2,00,000 capsules/hrs.

Capsules machines	Number of capsules/hrs.
AFT LAB	6,000
AF 25T	25,000
AF 40T	40,000
AF 90T	90,000
AF 150T	1,50,000
AF 200T	2,00,000

Tableting

From granulation, tablet presses, and coaters to blister packaging films, foils, and machines, ACG provides everything needed to manufacture and package tablet-based products.

Granulation machine-FBE X-ONE: Unique X.ONE inflatable seals, MOST (Maximum Operational Safety Technology) safety concept

Tableting machines are patented InstAmend® technology, it has modular design. The benefit is changeover can be done is less than 60 minutes.

Tablet output are as follows:

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R&D scale machine: 1,26,000-2,16,000 tablets/h

Production scale machines: 489600-816000 tablets/h

Tablet coating machine- patented ACGX-ONE NOZZLE, with this machine the efficiencies achieved is over 95%. The pattern is guided horizontal air-flow. Anti-bearding cap ensures negligible beard formation & gun choking Built-in WIP system - Cleaning made easy.

Batch size

R&d scale machine: 0.1-36kg

Production scale machines: 35-1000 kg @BO OF 0.65 g/sec.

ACG has an entire range of *tooling solutions* including:

Multi -tip, Specialized, Customized.

To name few machinery

1. LEGACY 6100
2. PROTAB SERIES
3. Tablet tooling
4. SMARTCOATER SERIES

With ACG specialized machines the production cost is reduced, Increased operator safety, Boost's production efficiency.

ACG is a complete blend of technology and simplicity which ensures the customers' needs are fulfilled and quality is being provided.

Tablet machines	Features and advantages
Protab 300	R&D and pilot scale tablet press Simplified tableting process Fastest mechanical changeover in 30 mins or less Simplified and fastest
Protab 700	Large scale double rotary tablet press
Legacy 6100	Better accessibility to the pharma zone, Virtually tool free changeover, Improved revenue optimization, High quality versatile tablet press, Greater flexibility, Precise weight control, Improved productivity.

Packaging product family:

1. Primary packaging
 - BMAX-SCADA / 21 CFR Part 11 compliance software and hardware with SMART HMI
 - Compatible with format parts of BQS blister machine of ACG

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- Latest generation servo technology for machine operation
 - 21 CFR part 11 compliant system
2. Secondary packaging.
- Tuck in, gluing and tamper evident cartons can be packed.
 - Combi pack collation and Cartoning with 220 mm carton length.
 - Easy and quick changeover due to less format parts.
 - Efficient, seamless packaging

Customized Packaging solutions:

ACG provides packaging according to the needs of the customer.

Blister cycle-R&D scale machine: 25-30 cycles/min.

Production scale machines: 45-50 cycles /min.

Wide range of packaging films and foils.

Other alliances include:

Proditec -Visitab series	from France	Production
Theegarten -Pactec-FP series	From Germany	Packaging machine (pillow packing or pouch packing)
Pharma gel	From Italy	Soft gel encapsulation capsule technology

Manufacturing and assembly units of ACG are located at:

1. Manufacturing unit-Pune
2. Assembly unit- Mumbai

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Overview Of Packaging Films and Foils

Mr. Abhay Anil Joshi
Business Development
ACG Films and foils

There is various purpose of packaging which includes:

- Barrier protection
- Containment or agglomeration
- Information transmission
- Marketing
- Portion control
- Security
- Physical protection

Importance of packaging:

1. Protect against all adverse external influences that can alter the properties of the product.
2. Protect against biological contamination
3. Protect against physical damage
4. Carry the correct information and identification of the product
5. Tamper evident or child resistance or anti-counterfeiting

Functions of packaging:

1. Containment
 - Not to leak, nor allow diffusion and permeation
 - Film and foils should be strong enough to hold the contents during handling
2. Protection
 - Films and foils should give protection to the product against light, moisture, oxygen, biological contamination, mechanical damage and counterfeiting.

Characteristics of packaging:

1. It must protect the physical properties of all dosage forms and protect them against damage or breakage.
2. It must not alter the identity of the product
3. It must preserve the characteristic properties of the product to comply specifications
4. It must protect product against undesirable or adulterating chemical, biological or physical entities.

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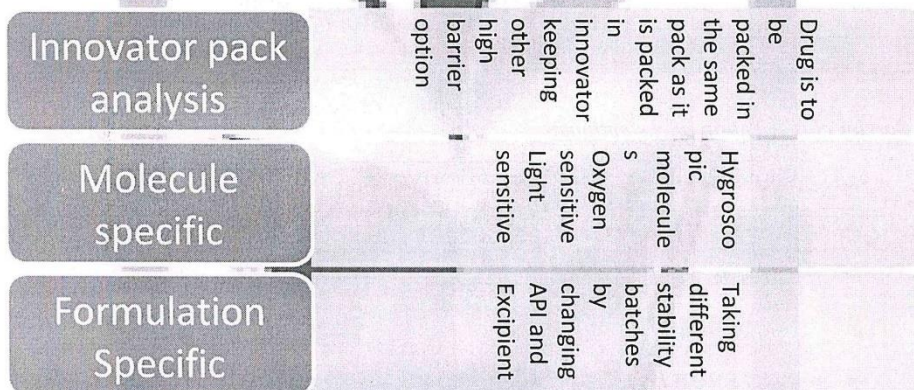
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Selection of packaging:

- To provide barrier against light and moisture:
 - Colored PVC (polyvinyl chloride)/ PVdC (Polyvinylene dichloride)
 - Colored PVC/ Aclar (Polychlorotrifluoroethylene)
 - CFB (Cold forming Blister)
- To provide barrier against gas(O₂) and light:
 - Colored PVdC or EVOH (Ethylene-vinyl alcohol) based film
- To provide barrier against gas (O₂) and moisture
 - PVC or PVdC
 - PVC or EVOH or Aclar
 - CFB
- To provide barrier against gas (O₂), light and moisture
 - Colored PVC or PVdC
 - Colored PVC or Aclar
 - CFB

Methodology for selection of packaging material:



Strategic importance of packaging:

- Choice of packaging materials depends on the type of stability testing done.
- The packaging chosen should reduce the total cost including logistics and should also reduce the carbon-footprint
- Packaging operations should reduce the cost and maximize the OEE (Overall Equipment Efficiency)
- The packaging should be such that the design is acceptable to the consumer.
- The packaging should be such that it does not affect the stability of the product, pass the specifications and must not hamper the drug performance.

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Barrier classification product:

Ultra High Barrier	Moderate Barrier	Low Barrier
Ranitidine	Ciprofloxacin	Dicycloverine
Omeprazole	Losartan	Calcitriol
Lansoprazole	Escitalopram	Ofloxacin
Valacyclovir	Irbesartan	Methyldopa
Losartan	Quetepine	Donezepil
Perindopril	Sitagliptine	Chloroquine
Atorvastatin	Metformin	Benzafibrate
Venlaflexin	Prochlorperazine	Cefalexin
Ropinirole	Ibuprofen	Glicazide
Valsartan	Paracetamol	Enalpril
Candesartan	Citalopram	

Barrier classification packs options:

Ultra High Barrier	Moderate Barrier	Low Barrier
ACG Aclar® based laminates	PVC / PVdC	PVC
Ultrasafe, Tripac and Core PVC or Aclar	Ultrasafe, Dupac	APET
		PET-G
PVC / EVOH / Aclar		PP
Cold form blister		

Moisture barrier chart:

- Barex 250 has the highest water vapor transmission rate of 8.07 g/sq.m/day at 37.8° C and 90 % RH which shows that it has lowest barrier property against moisture
- PVC/EVOH/Aclar 190/70/152 has the lowest water vapor transmission rate of 0.02 g/sq.m/day at 37.8° C and 90 % RH which shows that it has ultra high barrier property moisture.

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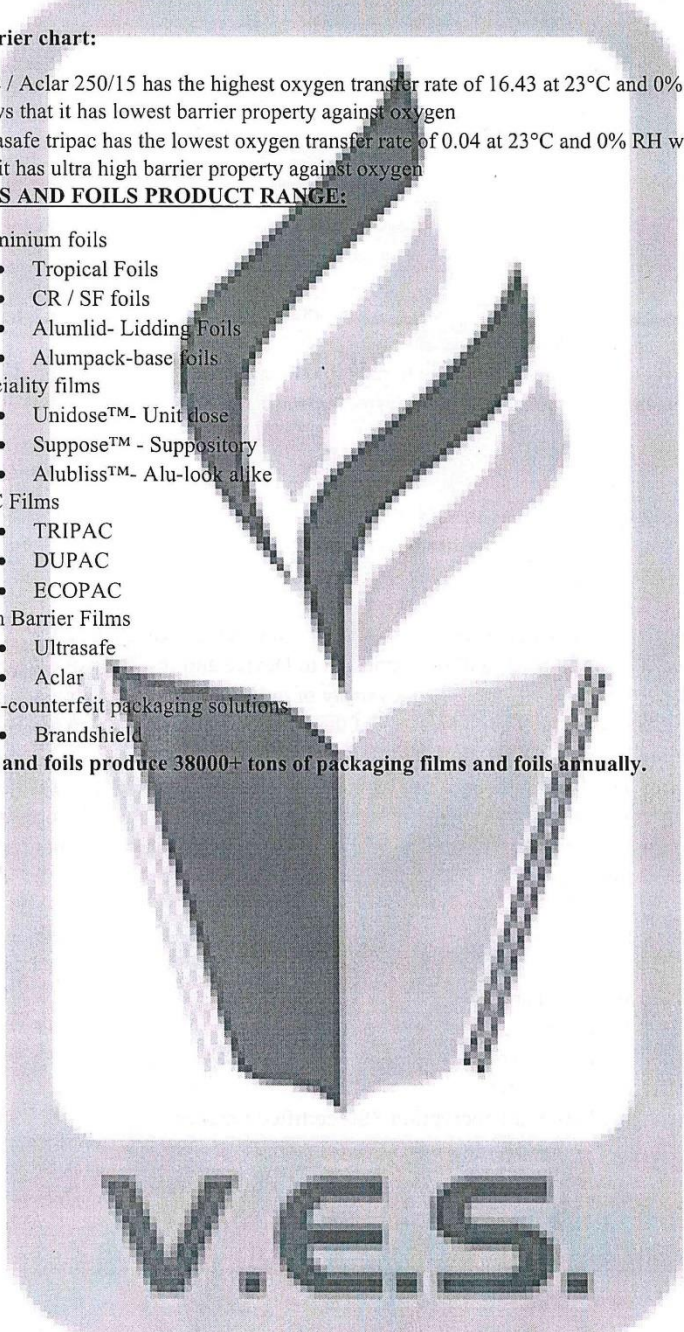
Oxygen barrier chart:

- PVC / Aclar 250/15 has the highest oxygen transfer rate of 16.43 at 23°C and 0% RH which shows that it has lowest barrier property against oxygen
- Ultrasafe tripac has the lowest oxygen transfer rate of 0.04 at 23°C and 0% RH which shows that it has ultra high barrier property against oxygen

ACG FILMS AND FOILS PRODUCT RANGE:

1. Aluminium foils
 - Tropical Foils
 - CR / SF foils
 - Alumlid- Lidding Foils
 - Alumpack-base foils
2. Speciality films
 - Unidose™- Unit dose
 - Suppose™ - Suppository
 - Alubliss™- Alu-look alike
3. PVC Films
 - TRIPAC
 - DUPAC
 - ECOPAC
4. High Barrier Films
 - Ultrasafe
 - Aclar
5. Anti-counterfeit packaging solutions
 - Brandshield

ACG Films and foils produce 38000+ tons of packaging films and foils annually.



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Industry Internet of Things- ACG's Roadmap into the future:

Maintenance types for Machine health:

- Preventive Maintenance: Machine is still in usable condition
- Predictive Maintenance (Tangible Benefits): Uptime improvement, Cost reduction, Reduction of safety, health, environment and quality risks, Lifetime extension of aging asset, Higher customer satisfaction

Reasons for reduce productivity is due to machine breakdown and suboptimal parameters which leads to loss in profit and loss of customer trust.

To resolve this issues, ACG's are planning to introduce ACG's Smart Connected Gateway Kit which will help customers in understanding what machine will exactly need to operate optimally also improved productivity can be managed by uptime improvement and optimal parameters which lead to increase in profit and greater customer trust.

Working of ACG's Smart Connected Gateway Kit:

1. Adaptor kit which needs to connect with internet which will then Gatrway all the data to Secure Cloud which will be connected to Device and results in Web Application
2. Multiple data points will collect a variety of information: Like temperature, vibration sensors, process parameters (Speed of the machine) plus it will also alerts, reports, and emails so operator can take timely action.
3. Monitor the Machines, Anytime, Anywhere: Visualize all the kind of data related to Key Performance Indicators (KPI), Trend visualizations and Machine settings.
4. Network Operating Centre: ACG's experts will monitor machines and they identify the corrections and notify the same to customers.

Communication between Machine and Cloud to secure customers data will be achieved through

- Device registration and passkey management
- Multi-layer security
- Proprietary PLC drivers
- Isolated network (VPN)
- TLS1.2 based 2048-bit encryption SSL certified transfer
- Firewall integration and Unidirectional dataflow
- STAR certified system

Immediate benefits that will be provided by Smart Connected Gateway Kit are:

1. Anywhere, anytime access will be available
2. Real-time alarms and Proactive alerts and services will be provided

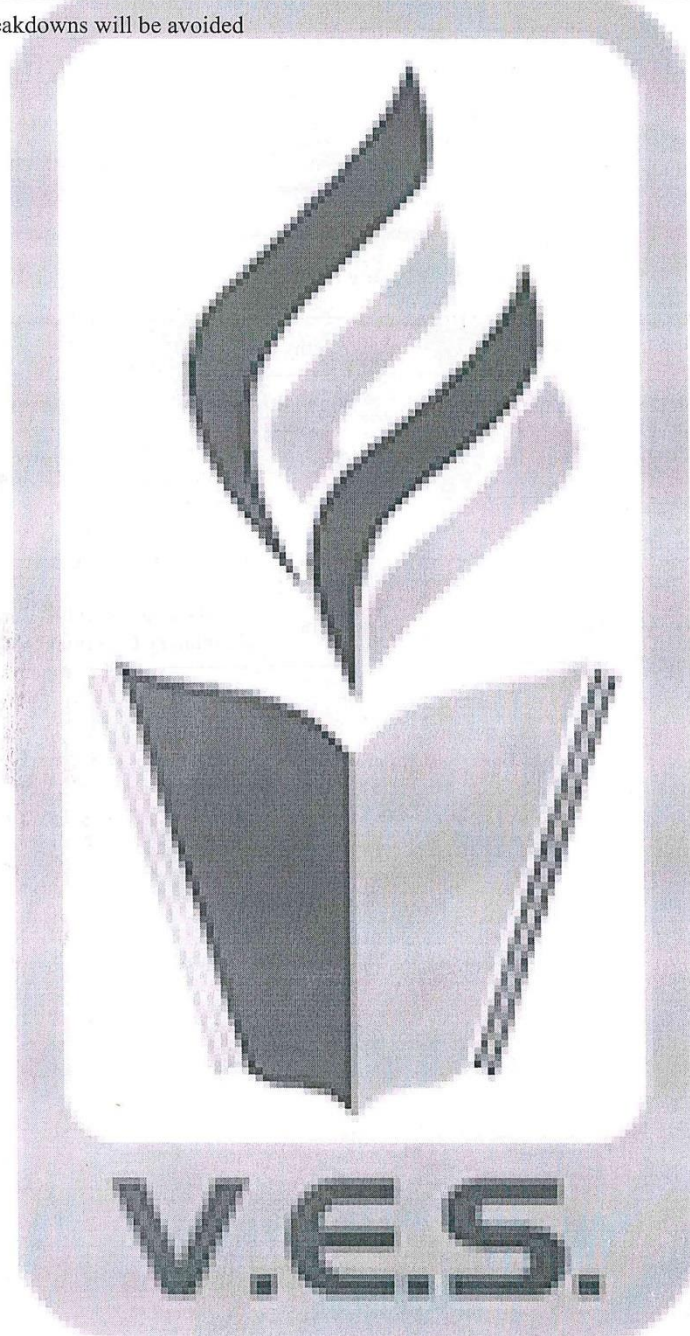
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3. Breakdowns will be avoided



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Benefits that will be for overtime are:

1. Increased uptime due to predictive maintenance
2. Preventive maintenance planning
3. Forecast spares requirements .
4. Data-driven overall equipment efficiency

ACG Smart Connected Maturity Model:

Phases	Time Period	Objective
1: Connectivity and Visualization	0-3 months	Connect, Remote access and Visualization
2: Capturing Process Knowledge	6-8 months	Capture learning
3: Predictive Maintenance	8-12 months	Improved Operating Equipment Efficiency (OEE), AR platform
4: Predictive Quality	2-3 years	Improved OEE (Quality), Transfer Learning, Predicting Failure, TCO,
5: Prescriptive Automation	3-4 years	Self-Diagnosis and Reporting, Regulatory Compliance, OTA updates

Class Coordinator
Mrs. Mamta Venna

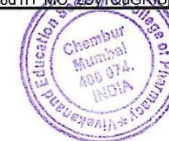
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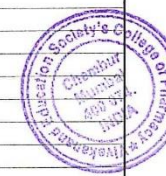
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6-24-2021 15:09:01	sharma.sanskriti@ves.ac.in	Sanskriti sharma	Div A	43921	https://drive.google.com/open?id=1o1rF_inwzsd4X-32CEQWx56M-ekNi-n
6-24-2021 15:04:13	shetkar.chaitrali@ves.ac.in	Shetkar Chaitrali Narendra	Div A	44021	https://drive.google.com/open?id=1cbRA0lBk3MNIutisqLT_P-IT3u0jHXX
6-24-2021 15:04:05	shivankar.namrata@ves.ac.in	Namrata Shankar Shivankar	Div A	44221	https://drive.google.com/open?id=1PdHm4KnM_EHfj5S37NMQyqir8Ans4SY
6-24-2021 15:56:53	shivnekar.tanvi@ves.ac.in	Tanvi Shivnekar	Div A	44321	https://drive.google.com/open?id=1dsI62IBhE1id3fVE7RcG1Y0JpH7d618
6-24-2021 15:07:47	shrivastava.kritika@ves.ac.in	Shrivastava Kritika Rajesh	Div A	44421	https://drive.google.com/open?id=1BmuhVVeNxi_ljFbs7UuIDQ73A4G6re
6-24-2021 15:10:11	shukla.sundaram@ves.ac.in	sundaram shukla	Div A	44521	https://drive.google.com/open?id=1X6l_CYNQYRqyGLVptV841biUc5Lz3B0
6-24-2021 15:03:47	soman.akanksha@ves.ac.in	Akanksha Mallesh Soman	Div A	44621	https://drive.google.com/open?id=1ZUg7350tUliEHpW13-g5cQTI8dYFG
6-24-2021 15:32:37	tiwari.upasana@ves.ac.in	Tiwari Upasana Chandramohan	Div A	44721	https://drive.google.com/open?id=1hAwB8_UJnGtzX3W8mU2cRQ99TcTeqRR
6-24-2021 15:29:51	undavia.amisha@ves.ac.in	Undavia Amisha@ves.ac.in	Div A	44821	https://drive.google.com/open?id=1HhGwt1W0BnUtzpndUj23VDy-f1tKPIG
6-24-2021 15:13:36	velar.sangeetha@ves.ac.in	Velar Sangeetha Kuthalingam	Div A	44921	https://drive.google.com/open?id=1heOf8vK7a0IRLLWUGz1h_2DXom7TAKST
6-24-2021 15:06:34	amin.viraj@ves.ac.in	Viraj Amin	Div A	45021	https://drive.google.com/open?id=108eDwvbkIqY48D2ocrdahMXilwimn5
6-24-2021 15:11:13	autade.ritesh@ves.ac.in	Ritesh Prakash Autade	Div A	45221	https://drive.google.com/open?id=1f8d1H_M0_zDv10dGRfBicPduKPIBreyT



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HAMC, Behind Collector Colony,
Chembur, Mumbai - 400 074.

6-24-2021 15:04:33	bagal.sakshi@ves.ac.in	Sakshi Kashinath Bagal	Div A	45321	https://drive.google.com/open?id=1orfqRwK3O8aHBbcP6o-y2_sz_1hWVsz
6-24-2021 15:06:41	bakre.apurva@ves.ac.in	Apurva Prasanna Bakre	Div A	45421	https://drive.google.com/open?id=1uEobguRYxdO_m0g2JctqOcdWwITGQrVWw
6-24-2021 15:31:08	chouri.omar@ves.ac.in	Omar Chouri	Div A	45521	https://drive.google.com/open?id=11d5FMLVlay_UA9qkObhYdneUvnGIU5fl
6-24-2021 15:10:43	dahiphale.bhagyashree@ves.ac.in	Bhagyashree Dahiphale	Div A	45621	https://drive.google.com/open?id=1AZflmzF4os3IS-E65d5SvckzDFKf1v
6-24-2021 15:06:17	dalvi.tanvi@ves.ac.in	Tanvi Dalvi	Div B	45721	https://drive.google.com/open?id=12xlp2dtA1RfHhGq72xXnx8_h2pQIGfI
6-24-2021 15:05:48	dongre.shrutika@ves.ac.in	Shrutika Dongre	Div B	45821	https://drive.google.com/open?id=1n66nCsdbLPiHY8oPMVZVUOQia0AAxVvq
6-24-2021 15:08:46	george.glory@ves.ac.in	George Glory Robert	Div B	46021	https://drive.google.com/open?id=11P3IQ11fFkhHLtU4ia8zhR_eH788bohAI
6-24-2021 16:32:55	gharat.shruti@ves.ac.in	Shruti Gharat	Div B	46121	https://drive.google.com/open?id=1a-LXIC5Hce5WpCST2ea2RSldpz9Dhfi
6-24-2021 15:03:39	gupta.srishti@ves.ac.in	Srishti Gupta	Div B	46221	https://drive.google.com/open?id=1zcDT0frJ-VFz2FUag4r-gAzs5nFKKr-d
6-24-2021 15:05:20	hrishitaa.ashok@ves.ac.in	Hrishitaa Ashok Kandpal	Div B	46320	https://drive.google.com/open?id=1oPOVKtTE04hS90F2hxH_TgKeECQj4py
6-24-2021 15:07:48	khan.nazish@ves.ac.in	Khan Nazish Feroz	Div B	46621	https://drive.google.com/open?id=1VughXOSz7QXb_5O5X4bU_rRpJ654toC
6-24-2021 15:26:54	khan.tarique@ves.ac.in	Khan Tarique	Div B	46721	https://drive.google.com/open?id=1qNdUJFw-7UaQrSJA2KiWeygMSJr9P7SgB
6-24-2021 15:08:45	lele.mukta@ves.ac.in	Mukta Vivek Lele	Div B	46821	https://drive.google.com/open?id=1dD8v0HMlyOaR4pKb_84yAbp1YJ9cmf4P
6-24-2021 15:03:44	mhatre.maya@ves.ac.in	Maya Mhatre	Div B	47021	https://drive.google.com/open?id=164DVGzKdKvNv9Kv3mFhdWHWIRrWG8Zqu
6-24-2021 15:06:07	mhatre.sejal@ves.ac.in	Mhatre Sejal Ravindra	Div B	47121	https://drive.google.com/open?id=1XqGEildb-ATOu2CpwZbXOlSvCDmOZYvNP
6-24-2021 16:30:48	monisha.rajesh@ves.ac.in	Monisha Kulkarni	Div B	47221	https://drive.google.com/open?id=19Gtz0LEb5FDMMNJKS94mVlZMGQDa3wZ
6-24-2021 15:19:09	nair.aditya@ves.ac.in	Aditya Nair	Div B	47421	https://drive.google.com/open?id=11fOoMdhpu_ZYMHZ54XIXRunBEIL0f72
6-24-2021 15:07:29	nair.anupama@ves.ac.in	Anupama Nair	Div B	47521	https://drive.google.com/open?id=1ba2LsvMTyfyfOHoMON95rWvYratWpynW
6-24-2021 15:03:21	paste.kasturi@ves.ac.in	Kasturi Sanjay Paste	Div B	47721	https://drive.google.com/open?id=1RbvJYSA8AKCACpBjrljexvAeO7EopN
6-24-2021 15:11:34	patel.rakesh@ves.ac.in	Patel Rakesh Laxman	Div B	47821	https://drive.google.com/open?id=1WEFoSaijRmlQr8KbXzmsfe7oOruiXq
6-24-2021 15:24:52	potekar.rhutuja@ves.ac.in	Rhutuja Vishwanath Potekar	Div B	47921	https://drive.google.com/open?id=1mhB8WFcphCpXys-ze9IKdIFTS44HHZmk
6-24-2021 15:26:37	sah.amish@ves.ac.in	Amish Sah	Div B	48121	https://drive.google.com/open?id=1yPsYlCfSfZrfrXDrccyTIRoceb-mEqHYg
6-24-2021 15:39:50	sah.rahul@ves.ac.in	Sah rahul kumar lal babu	Div B	48221	https://drive.google.com/open?id=1MPFYU97fsR18yQIN9GSIMMRQh6MNP0s
6-24-2021 15:03:14	salaskar.sagarika@ves.ac.in	Sagarika Salaskar	Div B	48421	https://drive.google.com/open?id=1qQcTDi4Lb2ADW55P-Np1t4CG5_ASWATI
6-24-2021 15:08:38	sankhari.umang@ves.ac.in	Umang Ratikanta Sankhari	Div B	48521	https://drive.google.com/open?id=1RlqdGC1Bv0RLnfc-9JwfBjPUEaEaA0F-
6-24-2021 15:08:18	shaikh.safina@ves.ac.in	Safina Salim Shaikh	Div B	48621	https://drive.google.com/open?id=1J_YcdCnnjMmbP_RSvsrG_3TDDVEOhLM
6-24-2021 16:49:37	shetty.niriksha@ves.ac.in	Niriksha Divakar Shetty	Div B	48721	https://drive.google.com/open?id=1K74G-DrKMFjxlrluPsEIOWkpDW4-xrCi
6-24-2021 15:02:33	shirsat.sanjana@ves.ac.in	Sanjana Shirsat	Div B	48821	https://drive.google.com/open?id=172kKzGRRBiq1WJbwhiCRVoCT6LV-V9D
6-24-2021 15:04:37	soni.rubi@ves.ac.in	Rubi Subhashchandra Soni	Div B	48921	https://drive.google.com/open?id=1RsRsVA3DFB7s1TrvqTzGkRihVqAf3Zig
6-24-2021 15:10:02	thorat.vaishnavi@ves.ac.in	Vaishnavi Bhau Thorat	Div B	49021	https://drive.google.com/open?id=11Qs0_0pPa_Sqimb9Xsy8tBsVs_m7KMgc
6-24-2021 15:02:43	thube.tejasvi@ves.ac.in	Tejasvi Namdev Thube	Div B	49121	https://drive.google.com/open?id=1NT70WpPxf1U7eKrQpFYN5ZUkelb0FncH
6-24-2021 15:08:56	toke.omkar@ves.ac.in	Omkar Krishna Toke	Div B	49221	https://drive.google.com/open?id=1eFbzjR7N5M7WYeh3kqgDRJxvDuqcY1G2
6-24-2021 15:11:42	fitwalla.saniya@ves.ac.in	Saniya Fitwalla	Div B	49321	https://drive.google.com/open?id=1onEuiXqTCITHxSY-SRUwJ6dNEqoeZDE
6-24-2021 15:03:04	vishwakarma.jitendra@ves.ac.in	Jitendra U Vishwakarma	Div B	49421	https://drive.google.com/open?id=19vJPl6ZW2WbHBIO5p6gYqIWW0-YPZ0qY
6-24-2021 15:10:33	yadav.balaji@ves.ac.in	Balaji Yadav	Div B	49521	https://drive.google.com/open?id=1nB49saAIDUE8cHUKatrcFjvG5Eb_DMIC
6-24-2021 15:14:15	girish.dawani@ves.ac.in	GIRISH SURESH DAWANI	Div B	410021	https://drive.google.com/open?id=1Byy9lUizta0G51meoY5B_xJz7929lshq
6-24-2021 15:04:31	sagar.gadhari@ves.ac.in	Gadhari Sagar Raghunath	Div B	410121	https://drive.google.com/open?id=12Mvrfli8C2YwGMynf3F6vniGUGqHmbi
6-24-2021 15:24:34	kajal.gupta@ves.ac.in	Kajal sureshchandra gupta	Div B	410221	https://drive.google.com/open?id=1nd3G3ufD0b7Jngl6batpkKg55Xf2xV_h
6-24-2021 17:09:10	vipin.jadhvani@ves.ac.in	Vipin jadhvani	Div B	410321	https://drive.google.com/open?id=1cZq9saVKJr9VJE3VBEEKqJCuGaXdMfT
6-24-2021 15:10:15	mayur.keny@ves.ac.in	Mayur Santosh Keny	Div B	410421	https://drive.google.com/open?id=12q7hfqRFB0QypSfzqkEVmPRqQJbc8vQU
6-24-2021 15:11:38	preeti.mirani@ves.ac.in	Preeti Mirani	Div B	410621	https://drive.google.com/open?id=19DQu7CMSOFcI0a9J7xduHioGv6v0Wh
6-24-2021 15:26:37	mamta.nawani@ves.ac.in	Nawani mamta	Div B	410721	
6-24-2021 15:12:00	jayesh.patil@ves.ac.in	Jayesh dileep patil (LE)	Div B	410921	



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6-24-2021 15:08:20	neel.tilwani@ves.ac.in	Neel Tilwani	Div B	411021	https://drive.google.com/open?id=13r9aRYrdhBzL9x_r-KiKGbf-bYOe10X
6-24-2021 15:18:40	shweta.tupe@ves.ac.in	Shweta sadashiv tupe	Div B	411121	https://drive.google.com/open?id=1-yPw-8qXjVvXHQ-U1A4VbFmQZgBq2Olr
6-24-2021 15:13:32	nikhil.vallamdas@ves.ac.in	Nikhil Vallamdas	Div B	411221	https://drive.google.com/open?id=117KdVQxvKL7vuJcAI4u2nJQf1YnC9zGx



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
Attendance for FY B Pharm Industrial Visit (24/06/2021) (Responses)

Timestamp	Email Address	Full Name	Division	Roll Number	Attach a Screenshot of the you watching a screen with time on it
6/24/2021 15:10:04	balotiya.meghraj.bp2020@	Meghraj balotiya	A	5	https://drive.google.com/open?id=105vZv5ZOixKZMaYkzkklkNf9xIGKHkr
6/24/2021 15:12:16	chaurasiya.anjali.bp2020@	Anjali Anil Chaurasiya	A	10	https://drive.google.com/open?id=1LP72kveQNpZ_vNHR1liEo_8Zik14-eCw
6/24/2021 17:03:48	chaurasiya.anjali.bp2020@	Anjali Anil Chaurasiya	A	10	https://drive.google.com/open?id=1VveO3NjmlrnhDfKITv_VgyvhTJ0cVG59
6/24/2021 15:10:54	gawade.nidhi.bp2020@ve	Nidhi Arvind Gawade	A	12	https://drive.google.com/open?id=1_BVc-xiAolEWSQxAutqqIFz89ZfmgMB
6/24/2021 17:00:04	gawade.nidhi.bp2020@ve	Nidhi Arvind Gawade	A	12	https://drive.google.com/open?id=1F6lXvVpySGO6FpR5yGXpeD1cYuvir5Nd
6/24/2021 17:01:12	gupta.harinarath.bp2020@	GUPTA HARINATH VISHA	A	14	https://drive.google.com/open?id=11HcNhZlGpID_v0V8gkKxzQWHaUvqvdkKS
6/24/2021 15:08:57	indulkar.sanika.bp2020@	Sanika indulkar	A	16	https://drive.google.com/open?id=18PIEYgN6hiEzQi5QSHWxQF1huFpioJ9
6/24/2021 16:21:20	indulkar.sanika.bp2020@	Sanika indulkar	A	16	https://drive.google.com/open?id=1RjhXMP48FLiHxLhdCd6Yxw7YlflSyX
6/24/2021 15:08:04	jain.darsh.bp2020@ves.a	Darsh Nirmal Jain	A	18	https://drive.google.com/open?id=1u0i90UNTDEazlT2VHYm1_dPjHJf0vk8v
6/24/2021 17:08:58	jain.darsh.bp2020@ves.a	Darsh Nirmal Jain	A	18	https://drive.google.com/open?id=1Rlq24-L0TVjAmsh1EVQlCm5qvT5UI87L
6/24/2021 15:08:54	jain.kashish.bp2020@ves	Jain Kashish	A	19	https://drive.google.com/open?id=1Y0hRAu9WeufzGG34g1PEOzhizLFRi-S
6/24/2021 17:07:38	jain.kashish.bp2020@ves	Jain Kashish	A	19	https://drive.google.com/open?id=1AqevkYwCUpJM335TaF-fuwlMthBnORkD
6/24/2021 15:05:22	kahar.pragya.bp2020@ve	Pragya Kahar	A	20	https://drive.google.com/open?id=1r_jht_Rv_UApY4T0Q-fzGtVKAJmLY6d
6/24/2021 16:06:49	kahar.pragya.bp2020@ve	Pragya Kahar	A	20	https://drive.google.com/open?id=1e4t7T7eZoQJ2BmeFNj7cl4PUC8KL_b
6/24/2021 15:20:32	kakade.dhanashri.bp2020@	Kakade Dhanashri Balasa	A	21	https://drive.google.com/open?id=1gHrxwxc7a3Nxm_UVsxAKwJXFb01WYooK
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6/24/2021 15:07:01	khedkar.pratiksha.bp2020@	Khedkar Pratiksha Pandu A	A	22	https://drive.google.com/open?id=1yJCHUGo3wVjvi51eVpLQbPvlvi3u95g
6/24/2021 17:00:05	kudterkar.abhidnya.bp2020@	Abhidnya D Kudterkar	A	23	https://drive.google.com/open?id=1Qi4kE64N4ZhzcoCDsL51XKHUI49W7ycY
6/24/2021 17:02:18	kudterkar.abhidnya.bp2020@	Abhidnya Kudterkar	A	23	https://drive.google.com/open?id=10IUUnvDADrtdcM0WfeDFWpu7mwJnTHX-X
6/24/2021 15:14:24	mane.siddhi.bp2020@ves	Siddhi Mane	A	24	https://drive.google.com/open?id=1zLloVPub19GgKc7m62ed5lym6Bm2vz5
6/24/2021 16:12:43	mane.siddhi.bp2020@ves	Siddhi Mane	A	24	https://drive.google.com/open?id=1a4uu_5rDb1RcU70m9xqORpyOComkCldg
6/24/2021 16:16:24	mane.siddhi.bp2020@ves	Siddhi Mane	A	24	https://drive.google.com/open?id=1HMY2JpG43gIG-ZYVZvLaH3xJvq_0r0jo
6/24/2021 15:06:04	parab.kishori.bp2020@ve	PARAB KISHORI RAVINA	A	26	https://drive.google.com/open?id=1fo11NSxXeissY1WU1f1Hamstpxg57fM
6/24/2021 16:16:50	parab.kishori.bp2020@ve	PARAB KISHORI RAVINA	A	26	https://drive.google.com/open?id=16-VfjEzAvRhSiZsIFKU9srXBI0-AX6V
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6/24/2021 16:14:27	patel.anurag.bp2020@ve	Anurag Patel	A	27	https://drive.google.com/open?id=1tag-dGo-Ge9e_XC8jdo36kBeEJOQJP7X
6/24/2021 16:15:35	patel.anurag.bp2020@ve	Anurag Patel	A	27	https://drive.google.com/open?id=1nvsEXG9vlnb8luGX-Cp3OK7zR2p_uVRW
6/24/2021 16:59:19	patel.anurag.bp2020@ve	Anurag Patel	A	27	https://drive.google.com/open?id=1YX3_dj58sUzvcatt85VpjfSpqyKQ0K5
6/24/2021 15:28:30	patel.heet.bp2020@ves.a	Patel Heet Dhanji	A	28	https://drive.google.com/open?id=10Mqil_XbAwEvN8nvatfOZ7Xm7Rvi23B
6/24/2021 16:19:07	patel.heet.bp2020@ves.a	Patel Heet Dhanji	A	28	https://drive.google.com/open?id=18Y3G_bHSPQ6-RS74SH0brVILYkNJJUz
6/24/2021 15:08:34	patil.chinmaya.bp2020@	Chinmaya Patil	A	30	https://drive.google.com/open?id=1utRWhegdWaF1x_cj3YPPExsHty4rrANh
6/24/2021 16:58:14	patil.chinmaya.bp2020@	Chinmaya Patil	A	30	https://drive.google.com/open?id=1GqivwYScXNWxCyFATbtGuyYNdVa80iFI
6/24/2021 15:08:19	patil.gaurav.bp2020@ves	Gaurav sudam patil	A	31	https://drive.google.com/open?id=1IWgVuSMj9vnTcUZ6d4CNeDp3zblneT0p
6/24/2021 16:18:24	patil.gaurav.bp2020@ves	Gaurav patil	A	31	https://drive.google.com/open?id=1MY3x3cdDLGISVl_6eu9hFA_O1KMRY_IU

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Attendance for FY B Pharm Industrial Visit (24/06/2021) (Responses)

Timestamp	Email Address	Full Name	Division	Roll Number	Attach a Screenshot of the you watching a screen with time on it
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6/24/2021 15:11:04	patil.mayur.bp2020@ves.	Mayur Chunilal Patil	A	33	https://drive.google.com/open?id=1pePfl73Ds3YitYDA-TfEplQfSf4F6SC
6/24/2021 16:58:45	patil.mayur.bp2020@ves.	Mayur Chunilal Patil	A	33	https://drive.google.com/open?id=1C7rx5KvSDdGQ2bed2dmoUU9IDvy4xIY9
6/24/2021 15:16:30	pillai.shrutika.bp2020@ve	Shrutika Pillai	A	35	https://drive.google.com/open?id=1LFaCN89vSsMebAlxZliPXm-d42RdU5XN
6/24/2021 16:05:46	pillai.shrutika.bp2020@ve	Shrutika Pillai	A	35	https://drive.google.com/open?id=1owHZZaSpHPIny1mX1HrK_Bpd1uoP04R
6/24/2021 15:04:18	prabhu.mohit.bp2020@ve	Mohit Prabhu	A	36	https://drive.google.com/open?id=1C0UUE1e8gN2og0oNBZWW97r7sPYPPFOQf
6/24/2021 15:09:39	puthran.rishit.bp2020@ve	Rishit Dilip Puthran	A	37	https://drive.google.com/open?id=1fnBAswXl32ARr0-B5b19emfe-IWnJyYp
6/24/2021 16:06:05	puthran.rishit.bp2020@ve	Rishit Dilip Puthran	A	37	https://drive.google.com/open?id=1sEUycXDSIB5rQL9oKekjpn08SliA_i6
6/24/2021 15:47:20	rao.apoorva.bp2020@ves	APOORVA RAO	A	38	https://drive.google.com/open?id=1ZTJYjG1XbAuedwBKfID3gSgLy4bEHdMh
6/24/2021 16:07:50	rao.apoorva.bp2020@ves	Apoorva Rao	A	38	https://drive.google.com/open?id=1oLbXsdSoNkYQU474Gr2URy6NqAY_T7
6/24/2021 17:10:55	rao.apoorva.bp2020@ves	APOORVA RAO	A	38	https://drive.google.com/open?id=16exthpC50dFDvSgelOF3pJbRyd50InfS
6/24/2021 15:07:39	sahita.rishabh.bp2020@v	Sahita Rishabh Tarun	A	40	https://drive.google.com/open?id=1cnlGoxj7o6-JIRT-KJ4-gkVWplnjX-6Ho
6/24/2021 16:21:22	sahita.rishabh.bp2020@v	Sahita Rishabh Tarun	A	40	https://drive.google.com/open?id=1C0UUE1e8gN2og0oNBZWW97r7sPYPPFOQf
6/24/2021 15:03:55	sarak.rohit.bp2020@ves.i	Rohit Abasaheb Sarak	A	42	https://drive.google.com/open?id=1tvISRkZu-p18YkQpW7JXO_vV-JzEverU
6/24/2021 15:04:47	saste.aditya.bp2020@ves	Aditya Rajesh Saste	A	43	https://drive.google.com/open?id=1BgNL-MSDm4BxwW_Wvt2rXEQnLYLNfE7
6/24/2021 17:39:41	saste.aditya.bp2020@ves	Aditya Rajesh Saste	A	43	https://drive.google.com/open?id=1g-o2GCTmoakT2RpFePY1wcaVcIlN6Xiz
6/24/2021 15:14:16	gurleen.kaur.bp2020@ve	Gurleen kaur sethi	A	45	https://drive.google.com/open?id=17q44NVhwnJq-S2OMb9M5XYaDzt1tqJ51
6/24/2021 17:02:37	gurleen.kaur.bp2020@ve	Gurleen kaur sethi	A	45	https://drive.google.com/open?id=1CDjyp0vhONZGK7g4NxHHqWgBbitfdkTh
6/24/2021 15:07:53	sharma.ekta.bp2020@ve	Ekta sharma	A	46	https://drive.google.com/open?id=1E9rWvNAhsdmXKwjEZ4ydjEIK0DOScoR
6/24/2021 17:19:27	sharma.ekta.bp2020@ve	Ekta sharma	A	46	https://drive.google.com/open?id=1ROSZpV9ERPhuJRCXvAWU8vl_zhIRHCaCo
6/24/2021 15:13:16	shemadkar.pranit.bp2020	Pranit Shemadkar	A	47	https://drive.google.com/open?id=1iSx_xzmxsa5NYM2W1W3FPZMMerZau1DU8
6/24/2021 16:17:07	shemadkar.pranit.bp2020	Pranit Shemadkar	A	47	https://drive.google.com/open?id=1oJmYZ_SyCl2Pedjsb_BIQ-iIIZRTbQm5
6/24/2021 16:16:45	shinde.akanksha.bp2020	AKANKSHA ASHOK SHINDE	A	48	https://drive.google.com/open?id=1_EEtcW3lB1b2-rxYVjFq-aWvTyQ0_ok
6/24/2021 15:09:11	singh.shreya.bp2020@ve	Shreya Randheer Singh	A	50	https://drive.google.com/open?id=11ciYi-zVO3j8wfrJu_M-6ERfPEHGbdVa
6/24/2021 15:50:23	sinha.kairvee.bp2020@ve	Kairvee Sinha	A	51	https://drive.google.com/open?id=1nN3FsBexil36dKckhBMh3RKPgHlsQW_3
6/24/2021 16:09:32	sinha.kairvee.bp2020@ve	Kairvee Sinha	A	51	https://drive.google.com/open?id=1gBnqvDh6OJQ2siERT87sve9j2z7C5vuf
6/24/2021 15:21:00	yewle.pratiksha.bp2020@	Pratiksha Rajkumar Yewle	A	53	https://drive.google.com/open?id=12eVBi6nPHayruU3W3-pH2suG54Zh7DTD
6/24/2021 16:19:40	yewle.pratiksha.bp2020@	Pratiksha Rajkumar Yewle	A	53	https://drive.google.com/open?id=1nj24DqkUb7BScXcUcVemVxgpb01EEw7C
6/24/2021 15:11:58	chorghe.sanika.bp2020@	Sanika chorghe	B	56	https://drive.google.com/open?id=1zd_vCAhPG14YRUdC_yolz8T13VWhFnER
6/24/2021 16:09:02	chorghe.sanika.bp2020@	Sanika Chorghe	B	56	https://drive.google.com/open?id=10MDkMl0okOf4-RlnQUf18_w_oTQFz3sl
6/24/2021 17:01:58	chorghe.sanika.bp2020@	Sanika Chorghe	B	56	https://drive.google.com/open?id=1rg_0AJykVhIQEbaB9Hwd-Dq5VjsRv58U
6/24/2021 15:26:57	chuvekar.om.bp2020@ve	Om Kiran Chuvekar	B	57	https://drive.google.com/open?id=1SkZmS_ZVAVMIKS_83p0qEFTMePRS3eZS
6/24/2021 15:04:31	dalvi.kasturi.bp2020@ves	Dalvi Kasturi Bhanudas	B	58	https://drive.google.com/open?id=1WcpcHE83UauvVKbE8PK5F4S55KaNTIOg


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Attendance for FY B Pharm Industrial Visit (24/06/2021) (Responses)

Timestamp	Email Address	Full Name	Division	Roll Number	Attach a Screenshot of the you watching a screen with time on it
6/24/2021 16:19:05	dalvi.kasturi.bp2020@ves	Dalvi Kasturi Bhanudas	B	58	https://drive.google.com/open?id=1U5ZfQhF7mrCSF_omtykJ2oHW6QXxmXWV
6/24/2021 15:18:16	dalvi.tanvi.bp2020@ves.a	Dalvi Tanvi Shashikant	B	59	https://drive.google.com/open?id=1U5HQLVrQ7bxWK66KdQxcZilXrge1Qg5
6/24/2021 16:14:44	dalvi.tanvi.bp2020@ves.a	Dalvi Tanvi Shashikant	B	59	https://drive.google.com/open?id=1BPQ1qfmXZqHMgf19VOSezw5jCvSI2e32
6/24/2021 15:33:17	fernando.godslin.bp2020@ves	Godslin fernando	B	61	https://drive.google.com/open?id=1BhrroUXO6lNomURkviqA43s8Sqxlx
6/24/2021 15:53:11	gunjal.mansi.bp2020@ve	Mansi Gunjal	B	63	https://drive.google.com/open?id=1AQ-UYxaTr0Q5zbuNLJBqS_ZSbuhtPsc6
6/24/2021 17:24:17	gunjal.mansi.bp2020@ve	Mansi Gunjal	B	63	https://drive.google.com/open?id=1FSat7pz3UcN2i2aD89ZA43d59v-1sx5b
6/24/2021 15:12:37	gupta.jyoti.bp2020@ves.e	Jyoti Junior Gupta	B	64	https://drive.google.com/open?id=1wri6rZnk_XDT-wC2iPixNZQSGPR6oTTj
6/24/2021 16:09:00	gupta.jyoti.bp2020@ves.e	Jyoti Junior Gupta	B	64	https://drive.google.com/open?id=1B9y9gQOumtngJ3AuxeY6vorWzGyYzXjO1
6/24/2021 15:11:52	ingawale.riya.bp2020@ve	Riya Ingawale	B	65	https://drive.google.com/open?id=1yEBfAP4HpUxLcSn3iY3x2PJ1qRT07hrn
6/24/2021 16:05:25	ingawale.riya.bp2020@ve	Riya Ingawale	A	65	https://drive.google.com/open?id=1-d8CinGcSViRurJIG2rhYRWc09xa9DzF
6/24/2021 16:58:50	ingawale.riya.bp2020@ve	Riya Ingawale	B	65	https://drive.google.com/open?id=1DhoBEttuo8nyNFTAILvEK9uU2xOhV3-g
6/24/2021 15:08:21	jagatkar.rutuja.bp2020@v	Rutuja Nagsen Jagatkar	B	68	https://drive.google.com/open?id=1jpTQzvBfdkvt-EMzoRAyLJN2pgDiPwE
6/24/2021 16:06:24	jagatkar.rutuja.bp2020@v	Rutuja Nagsen Jagatkar	B	68	https://drive.google.com/open?id=1wMzW5RrQrN7wG40CdemlwWq9h06bQOQS
6/24/2021 15:10:10	jaiswal.sahil.bp2020@ves	Sahil Shivasare Jaiswal	B	69	https://drive.google.com/open?id=1LzliGTNH0Gd10DsjnN19x3DQI5uYvFEI
6/24/2021 16:07:23	jaiswal.sahil.bp2020@ves	SAHIL SHIVASARE JAISWAL	B	69	https://drive.google.com/open?id=1-2VofUJpc5NAjoF7VjVJQC1B7KHVIYSIU
6/24/2021 15:10:30	kandalgaonkar.dhanashre	Dhanashree Vilas Kandal	B	70	https://drive.google.com/open?id=1TKsHptN7p4b8SCgba6H1ZjZDU-gJM0D3
6/24/2021 15:12:46	karkera.preeti.bp2020@v	Preeti Karkera	B	71	https://drive.google.com/open?id=1B9iBTURC4WjLplfPK8gNL0OLxLABTU1v
6/24/2021 17:05:43	karkera.preeti.bp2020@v	Preeti Karkera	B	71	https://drive.google.com/open?id=1wXPJHXat0q9DTHgqlzsaAi8DLzb_hHCgH
6/24/2021 15:17:04	kasabi.siddhant.bp2020@	Siddhant kasabi	B	72	https://drive.google.com/open?id=1RHnKzybYwS-CYXw8YNOqgGmQzLKXblad
6/24/2021 16:58:37	kazi.bushra.bp2020@ves	Bushra kazi	B	73	https://drive.google.com/open?id=1gGNfdr0zoWo9qjbFiPBKz2141tX9eCmB
6/24/2021 15:44:11	kewalramani.ginni.bp2020@	GINNI SUNIL KEWALRAMANI	B	74	https://drive.google.com/open?id=1G65oqUOO_CnpRwXaAOdRqdAAZMijNQ2F
6/24/2021 16:21:06	kewalramani.ginni.bp2020@	GINNI SUNIL KEWALRAMANI	B	74	https://drive.google.com/open?id=1PgRI3LvO08Q1KAGHrBh2w12PGr3QbYdy
6/24/2021 15:23:32	khan.hafsa.bp2020@ves.	KHAN HAFSA ZUBAIR	B	75	https://drive.google.com/open?id=1xFyfj34nNncAl-vwGHldLe3BUDALjxs
6/24/2021 17:06:11	khan.hafsa.bp2020@ves.	KHAN HAFSA ZUBAIR	B	75	https://drive.google.com/open?id=1yWu42QC5upABlGnrBMWloAlgmC-tDpi
6/24/2021 15:09:00	kotian.divya.bp2020@ves	Divya kotian	B	76	https://drive.google.com/open?id=11eywvpaVk9pH5_kPLi0_vv5cIVs8xNzs
6/24/2021 16:08:25	kotian.divya.bp2020@ves	Divya kotian	B	76	https://drive.google.com/open?id=1KdG2uIExE8QmA9Uj_tgH884w2Vr1WGV5
6/24/2021 15:11:51	menon.shreya.bp2020@v	Shreya menon	B	79	https://drive.google.com/open?id=1ap_Febp4EEvqSwmpBuuByAWLiFlixaaM
6/24/2021 15:29:32	morale.smita.bp2020@ve	Smita Navnath Morale	B	80	https://drive.google.com/open?id=1NWxeBbWETJJDedPuAXcToSyEMnGIC79
6/24/2021 16:11:35	morale.smita.bp2020@ve	Smita Navnath Morale	B	80	https://drive.google.com/open?id=1b-aTOwkQXuYeXXa-Co4f4jEgpWoETlc4
6/24/2021 15:05:56	mudaliar.nandini.bp2020@	Nandini Mudaliar	B	81	https://drive.google.com/open?id=1QZZvTh9ZSR16vggPRtk4SMawVTPBRu9n
6/24/2021 17:09:24	mudaliar.nandini.bp2020@	Nandini Mudaliar	B	81	https://drive.google.com/open?id=1DGXivOXw9DZ4DaAoYozJZP5dZEER3c4
6/24/2021 16:03:24	mukherjee.rupsha.bp2020@	Rupsha Mukherjee	B	83	https://drive.google.com/open?id=1JGyG-ySjG-2f8l2QtmZ0RL1JwJGBOh
6/24/2021 16:14:26	mukherjee.rupsha.bp2020@	Rupsha Mukherjee	B	83	https://drive.google.com/open?id=1G86Dr25bn7KAS9QraDyalEmZofI
6/24/2021 15:11:24	pandey.gaurav.bp2020@v	Gaurav Pandey	B	85	https://drive.google.com/open?id=1sRvPJYds_sbgIMPBWGHBowUmx8a5DasH

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Attendance for FY B Pharm Industrial Visit (24/06/2021) (Responses)

Timestamp	Email Address	Full Name	Division
6/24/2021 16:12:43	pandey.gaurav.bp2020@v	Gaurav Pandey	B
6/24/2021 15:06:04	parihar.harsh.bp2020@ve	Harsh Bhavar Parihar	B
6/24/2021 16:15:18	parihar.harsh.bp2020@ve	Harsh Bhavar Parihar	B
6/24/2021 18:02:16	patra.riya.bp2020@ves.a	Riya patra	B
6/24/2021 15:04:53	pawar.vishal.bp2020@ve:	Vishal krishnat pawar	B
6/24/2021 17:01:41	pawar.vishal.bp2020@ve:	Vishal krishnat pawar	B
6/24/2021 16:06:59	prajapati.sakshi.bp2020@	Sakshi Prajapati	B
6/24/2021 15:06:47	salian.nirav.bp2020@ves.	Salian Nirav Ganesh	B
6/24/2021 16:59:27	salian.nirav.bp2020@ves.	Salian Nirav Ganesh	B
6/24/2021 15:06:33	sawant.gauri.bp2020@ve	Gauri sawant	B
6/24/2021 16:15:40	sawant.gauri.bp2020@ve	Gauri sawant	B
6/24/2021 15:04:16	shaikh.madiha.bp2020@v	Shaikh	B
6/24/2021 16:05:39	shaikh.madiha.bp2020@v	Shaikh Madiha	B
6/24/2021 15:08:08	shrouti.saniya.bp2020@v	Saniya Shrouti	B
6/24/2021 16:06:02	shrouti.saniya.bp2020@v	Saniya Shrouti	B
6/24/2021 15:06:56	sonawane.kirti.bp2020@v	Kirti sonawane	B
6/24/2021 15:07:51	soni.mansi.bp2020@ves.	Mansi Vijaykumar Soni	B
6/24/2021 16:21:01	soni.mansi.bp2020@ves.	Mansi Vijaykumar Soni	B
6/24/2021 15:07:37	thanvi.soundarya.bp2020:	Soundarya Harish Thanvi	B
6/24/2021 16:09:26	thanvi.soundarya.bp2020:	Soundarya Harish Thanvi	B
6/24/2021 15:08:18	tanish.verma.bp2020@ve	Tanish Verma	B
6/24/2021 16:59:19	tanish.verma.bp2020@ve	Tanish Verma	B
6/24/2021 15:11:20	bangera.priyal.bp2020@v	Priyal Ganesh Bangera	A
6/24/2021 16:06:36	bangera.priyal.bp2020@v	Priyal Ganesh Bangera	A
6/24/2021 15:53:08	bhide.chinmayee.bp2020:	Chinmayee Bhide	A
6/24/2021 17:00:42	bhide.chinmayee.bp2020:	Chinmayee Bhide	A
6/24/2021 15:03:19	chaudhari.divyesh.bp2021	Divyesh chaudhari	A
6/24/2021 16:09:32	chaudhari.divyesh.bp2021	Divyesh chaudhari	A
6/24/2021 15:05:37	chaudhari.krish.bp2020@	Krish.Mahendra.Chaudha	A
6/24/2021 18:44:56	chaudhari.krish.bp2020@	Krish.Mahendra.Chaudha	A
6/24/2021 15:08:28	gadage.krishna.bp2020@	Krishna Govind Gadage	A
6/24/2021 17:25:55	gadage.krishna.bp2020@	Krishna Gadage	A
6/24/2021 15:08:59	hande.piyush.bp2020@ve	Piyush Ramesh Hande	A
6/24/2021 16:11:32	hande.piyush.bp2020@ve	Piyush Ramesh Hande	A

Roll Number	Attach a Screenshot of the you watching a screen with time on it
85	https://drive.google.com/open?id=19n5eJVl4lb6_vntNL009RPDI8Y-7FzBN
86	https://drive.google.com/open?id=1DwU7JbO!Ng5bh_M-ya6yVwu5z6cdxblf
86	https://drive.google.com/open?id=1CAsnHyuQJ7cjabNvFko92V/tb94ySHIR
88	https://drive.google.com/open?id=1We20fX0zpByph7iybZ4ZVNlloivS1dd-
89	https://drive.google.com/open?id=1-k5dds01A0h9wU03WbwKROhxrDufwUVi
89	https://drive.google.com/open?id=1ekqy_EIWCOCofAnFZpg2zkNRRnX4LHeS
90	https://drive.google.com/open?id=1xAJUjNPgn3-tzHrVgcpUFh4L2qsQAuvL7
93	https://drive.google.com/open?id=10DjxYu7HpdXZ5wrUXGA5V-gJc7rBsN5r
93	https://drive.google.com/open?id=1BWMBEyw-EdP_R5w4QwwVa_m16wCeIWE7
95	https://drive.google.com/open?id=17jqnYdDbW-CrQW6PwyRwy6aypwG8bf_D
95	https://drive.google.com/open?id=1LKCqfqc2vvY4xuB1D-Z23mZeeoyFIMi
96	https://drive.google.com/open?id=1dXpubFeDHFwSjEgSqHVP1sDqadulR-3v
96	https://drive.google.com/open?id=1-1SP1vS8Bx8mk1Q2hPvSwjR9bkrXyjt2
97	https://drive.google.com/open?id=1bGPixymFex2S4DGq497p1h1X9AIBlISW
97	https://drive.google.com/open?id=1lwpYgqas1ovuqbQbQ2U0uDhNFNC03Sbc
98	https://drive.google.com/open?id=17KRbYs7JZlh8-ben10w9rR0_fiyXqbtR
99	https://drive.google.com/open?id=1q-fkiZplHqIDXNoN8diNOCPMHBGGouoZ
99	https://drive.google.com/open?id=1J0hki_FR3KfiJpSl8Z6cygXAYbq-URVc
101	https://drive.google.com/open?id=1DGQRX8jBj8QErLkS-32vDp7BiviziqV8
101	https://drive.google.com/open?id=1MD97_4NXdQeT25HI_-MlIVLZSZJl9j0
103	https://drive.google.com/open?id=14xOioieeaUd_oEJ8WRy0eP7sIBITnfC3
103	https://drive.google.com/open?id=1qjsdkd4N-6ArGxsAVP9tSLHvTDDK7U0a
20621	https://drive.google.com/open?id=1DSArxd72A8KkyZreTJN8GoYJufbF_jD8
20621	https://drive.google.com/open?id=1YGd7cBzqGGwxYJ4F9xCVoHY5TbnvVMD0
20721	https://drive.google.com/open?id=1xbzhf0XBVQBNxz_T0EVJXhsNrQxqGFfe
20721	https://drive.google.com/open?id=14kvhyE-5OxNICmzOAKj4yGSh13aJmoi
20821	https://drive.google.com/open?id=1KXjvwB1guwwlRny08wUjG6d2pl6Tt5Af
20821	https://drive.google.com/open?id=1hdtMHdFXdC5qRyuSVz9ffsUwD-Mt2kP
20921	https://drive.google.com/open?id=13ycv8ZYOfu-eqOloa6zZOnQ6m5VUkxt
20921	https://drive.google.com/open?id=1OHEE5qtWosZKg9VenbyT6g7TBg791b6s
21121	https://drive.google.com/open?id=1PclFjvRl9TJBhMbrBmivC_TnD0tPLDi9
21121	https://drive.google.com/open?id=1hkrQESW4gCvE6Cq4wWb7ELSlAP9d
21521	https://drive.google.com/open?id=1z3vcvu677FXpnd439Twt_J-ablCW1BV
21521	https://drive.google.com/open?id=1hHJwXDXEm0Qr1JXMLEvQkCsOIMGF



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Attendance for FY B Pharm Industrial Visit (24/06/2021) (Responses)

Timestamp	Email Address	Full Name	Division	Roll Number	Attach a Screenshot of the you watching a screen with time on it
6/24/2021 15:18:39	jadhav.grishma.bp2020@	Grishma Shailesh Jadhav A		21721	https://drive.google.com/open?id=1cHIY_ebLENRjhPaZ9Jxh7KqOyKPaR1ro
6/24/2021 16:19:00	jadhav.grishma.bp2020@	Grishma Shailesh Jadhav A		21721	https://drive.google.com/open?id=11t12XztApXG70Yqo-V9j6FnoMCo95OX
6/24/2021 15:04:10	nadgoud.nidhi.bp2020@v	Nidhi Sanjeev Nadgoud A		22521	https://drive.google.com/open?id=1HzUCoyINDQb5SNNvUdcyuidBIT2h3p
6/24/2021 16:07:01	nadgoud.nidhi.bp2020@v	Nidhi Sanjeev Nadgoud A		22521	https://drive.google.com/open?id=13_Z34eJSxTQdVhtb7DXcJe1kCEIq6mYl
6/24/2021 15:08:35	patil.anagha.bp2020@ve:	Anagha Prashant Patil A		22921	https://drive.google.com/open?id=1actKW9DBg7U34sprBkkq7sqHIXobFXMT
6/24/2021 16:21:13	patil.anagha.bp2020@ve:	Anagha Prashant Patil A		22921	https://drive.google.com/open?id=1b4A1MWh_9TzKFHuN1ZfBUaFfLSNsqav
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V.E.S. College of Pharmacy

Attendance for FY B Pharm Industrial Visit (24/06/2021) (Responses)

Timestamp	Email Address	Full Name	Division	Roll Number	Attach a Screenshot of the you watching a screen with time on it
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Manda
 Class Coordinator
 Mrs. Manda Venna



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 Chembur, Mumbai - 400 074.

Timestamp	Email Address	Full Name	Roll Number
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Attach a Screenshot of the you watching a screen with time on it

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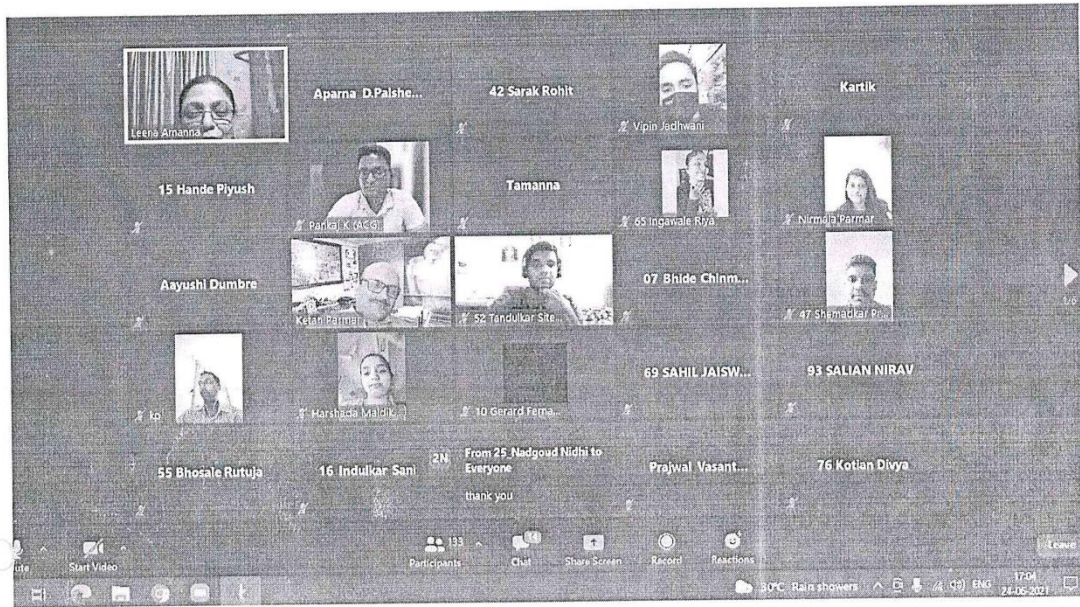
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VES COLLEGE OF PHARMACY

Hashu Advani Memorial Complex, Behind Collector Colony, Chembur (E), Mumbai - 400 074

Industrial Visit Report A.Y 2020-21

PROGRAM COMMITTEE

Details of activity:

Name of the Activity	Visit to Anchrom Laboratories		
Day, Date	Friday 04-06-2021	Department/ Committee/Faculty	
Venue	Online	Time	11:30am to 1:00 pm
Nature of activity	Field work	Total no. of participants	

Activity Information:

Objectives	1. Visit to equipment manufacturing company 2. to understand the process behind development, validation and use of analytical instrument
Outcomes	The activity correlated to course Students were be able to <ol style="list-style-type: none"> 1. Understand the significance and functioning of a HPTLC instruments 2. Observed the working of latest instrument in analytical chemistry field 3. Visualize the application of theoretical knowledge and helped in experiential learning

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

Notice and communication	<input type="checkbox"/>	Feedback form	<input type="checkbox"/>
Student list of participation	<input type="checkbox"/>	Feedback analysis	<input type="checkbox"/>
Photos	<input type="checkbox"/>	Media news details	<input type="checkbox"/>
Certificate	<input type="checkbox"/>	Any other	<input type="checkbox"/>

Dr. Anand Chintakrindi	Mrs. Vidhi Bhatia	Dr. Rajashree Hirlekar
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Name & Signature of Coordinator	Name & Signature of Head/Committee In charge	Name & Signature of IQAC Coordinator



[Signature]
 Dr. (Mrs.) Subriya S. Shidhaye
 PRINCIPAL
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 College of Pharmacy
 HAMC, Behind Collector Colony,
 Chembur, Mumbai - 400 074.

9/23/21, 3:53 PM

Welcome to Vivekanand Education Society Mail - Panelist for Anchrom Webinar on "HPTLC: Technique and Pharma Applications"

Vidhi Bhatia <vidhi.bhatia@ves.ac.in>



Panelist for Anchrom Webinar on "HPTLC: Technique and Pharma Applications" with "VES College of Pharmacy, Mumbai"

Anchrom Team <no-reply@zoom.us>
Reply-To: Anchrom Team <lab@anchrom.in>
To: vidhi.bhatia@ves.ac.in

ANCHROM

ANCHRC

Hi Vidhi Bhatia,

You are invited to a Zoom webinar.

Date Time: Jun 4, 2021 11:30 AM India
Topic: Anchrom Webinar on "HPTLC: Technique and Pharma Applications" with "VES College of Pharmacy, Mumbai"

Join from a PC, Mac, iPad, iPhone or Android device:

[Click Here to Join](#)

Note: This link should not be shared with others; it is unique to you.

Passcode: 927627

Add to Calendar Add to Google Calendar Add to Yahoo Calendar

Description: Webinar co-hosted with "VES College of Pharmacy, Mumbai"

NOTE: PLEASE READ THE BELOW INSTRUCTIONS CAREFULLY BEFORE PROCEEDING WITH THE REGISTRATION.

- 1) Please register from your Email to login for the webinar. Registered participants can login only from one device at a time.
- 2) Please mention your Full Name while registering. (This name will be used to prepare the "Attendance Certificates". No changes will be accepted later).
- 3) "DO NOT" login with Number and Phone Model Names, such entries will not be provided with "Attendance Certificates", even if valid Email ID is present.
- 4) Multiple login using same ID will be removed from the webinar. (e.g. same ID of user being used by multiple users).
- 5) "Attendance Certificates" will be issued only to those who attend the full session.
- 6) "Attendance Certificates" will be provided in a week.

Or One tap mobile:

US: +13462487799, 91088053581# or +16699006833, 91088053581#

Or Telephone:

Dial (for higher quality, dial a number based on your current location):
US: +1 346 248 7799 or +1 669 900 6833 or +1 929 205 6099 or +1 253 215 8782 or +1 301 715 8592

or +1 312 626 6799

Webinar ID: 910 8805 3581

Participant ID: 328783

Passcode: 927627

International numbers available: <https://zoom.us/j/afabgkPA3CAD>



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Chembur, Mumbai - 400 074.

.../mail.google.com/mail/u/1?ik=d86561c49a&view=pt&search=all&permmsgid=msg-f%3A1701614418602021686&simpl=msg-f%3A1701614... 1/1

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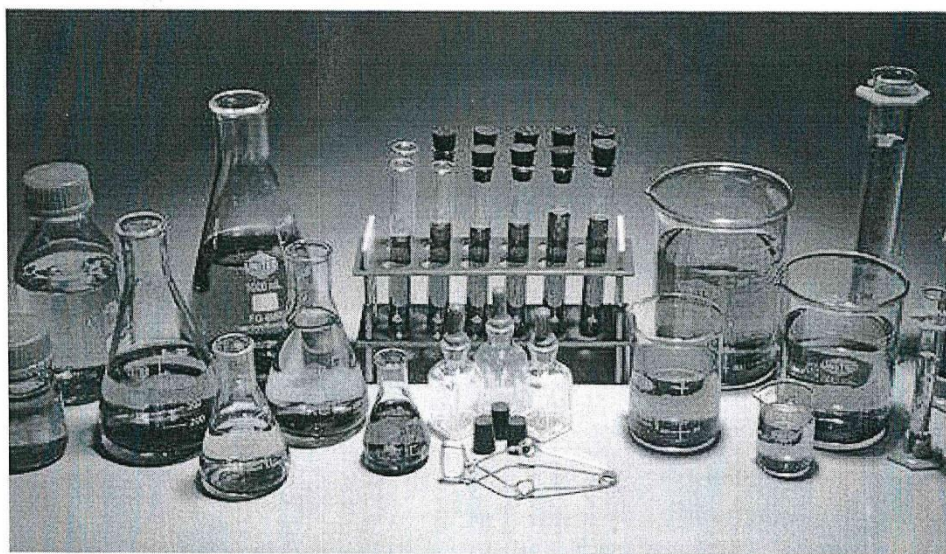
Industrial Training Report

(2021)

Ankita Rai

T. Y. B. Pharm

*Vivekanand Education Society's College of
Pharmacy, Chembur*



Vidhi Shete
Mrs Vidhi Shete



SS
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PREFACE

I, Ms. Ankita Rai of T.Y B.Pharm (Div-A), seat number 63221, have attended an online industrial training at Anchrom laboratories located at Mulund.

I would like to thank Mr. Amit Palande (Application Chemist), the Principal, Dr. (Mrs.) Supriya Shidhaye and our class co-coordinators Dr. Anand Chintakrindi (Div A) and Mrs. Vidhi Bhatia (Div B) for this valuable opportunity.

Ms. Ankita Rai

Mrs. Vidhi Bhatia &

Dr. Anand Chintakrindi

(T.Y. Bpharm Class-Coordinators)

*

**Inplant training on HPTLC: Techniques and
Pharma Applications (Online)**

Anchrom laboratories

June 04, 2021 (Friday)

11:30 A.M to 01:00 P.M

✶

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Introduction to Anchrom

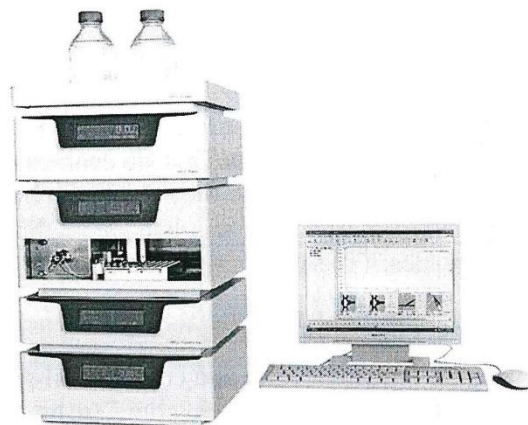
- Anchrom Enterprises (I) Pvt. Ltd. Is one of India's oldest companies in analytical instruments supply. Being founded by a technocrat, Anchrom created a niche for itself in the Thin Layer Chromatography (TLC) technique which later became High Performance Thin Layer Chromatography (HPTLC).
- Anchrom is dedicated to the technique of TLC and HPTLC since inception i.e. 1978 which is ably supported by their Principals M/s CAMAG of Switzerland and by their India-specific HPTLC Application Research Laboratory established in 1989. The world's first, new generation "HPTLC- PRO" was installed in their lab in 2019. As a "Voluntary" Corporate Social Responsibility, they offer free training on HPTLC and support researchers with subsidised analysis. Anchrom is proud to be "Technologists, not Traders!"
- This lab today occupies almost 1800 sq.ft. space, has 13 analysts and all the latest CAMAG software and instruments. This lab enables everyone to evaluate HPTLC, CAMAG and Anchrom before they decide to buy HPTLC. This lab is the reason why CAMAG-Anchrom has had more than 95% share of the Indian market for decades. Free-training on the latest CAMAG HPTLC has been given by them since 1994 to post-graduate and Ph.D. students, their teachers and government lab employees.
- New method development is their forte and commercial sample analysis is not done by them. Concerned persons are welcome to be present during their analysis. They have analysed > 900 different substances, analysed > 12,000 samples and trained free of charge, > 5000 analysts. Anchrom intends to be the world leader in routine HPTLC applications. Another concrete step in that direction is the installation of the latest "CAMAG PRO" HPTLC system in November 2019. It is the world's first installation outside CAMAG.

✓

THE ANCHROM LAB FACILITY

Analytical Laboratory

Chromatography is a group of chemical analysis techniques, used to separate mixtures into individual components and then identify or quantify them. The most popular techniques are Gas Chromatography (GC), High Performance Liquid Chromatography (HPLC), High Performance Thin Layer Chromatography (HPTLC). In HPTLC, mixtures are resolved into their individual components, using a thin layer of adsorbent, coated on a "plate", usually 20 X 10 cm, in size.



HPLC

Unique features of HPTLC are that it is the fastest, simplest, most economical and flexible, "visible" technique which can analyse in parallel more than 100 samples. It is risk free and multiple detections can be made without repeating chromatograms. It is several times faster and economical than HPLC, another liquid chromatography technique. HPTLC is used for the analysis of non-volatile organics such as pharmaceuticals, APIs, botanicals, forensics, foods, speciality chemicals, etc. for establishing purity, impurities, fingerprint and reverse engineering.

● High Performance Thin Liquid Chromatography

Prof. Egon Stahl made Thin Layer Chromatography (TLC) very very useful and popular by analysing thousands of compounds and publishing the data in a book in the '60s. High Performance Thin Layer Chromatography (HPTLC) is the modern version of TLC wherein the principals are the same but the practice is fully automated and GLP/USP/EP compliant. As a liquid chromatography technique, HPTLC can analyse most non volatile organic samples. Its differential aspects are:

- Chromatography is visible and simple
- Little or no sample preparation
- Analysis of dozens of samples, concurrently
- Chromatogram immobilized on the plate
- Upto 8 detection modes, without repeating chromatography
- HPTLC Fingerprint- chemical composition of mixtures, represented as photographic images
- Very low cost of analysis and maintenance
- One HPTLC can be used simultaneously for 5-6 different sample analysis and persons
- Zero risk chromatography. Samples cannot contaminate or cross-contaminate
- Very high throughput. 100-120 samples/shift
- Urgent samples don't affect ongoing analysis



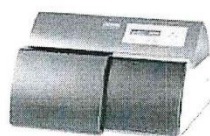
Applicator



System Manager



Developer



Scanner



Photodoc

CAMAG -HPTLC

CAMAG, the world's pioneer and leader in HP-TLC software and instrumentation researched and designed instruments to take advantage of all above unique aspects.

CAMAG, manufactures in Switzerland manual, semi-automatic, automatic and recently completely automatic software controlled HPTLC Systems and certain special accessories like HPTLC-MS, Gradient Chamber, Method Development Chamber, Bioluminizer.

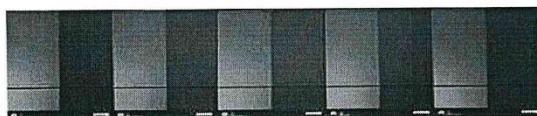
HPTLC "PRO" SYSTEM:

An entirely new generation of HPTLC System, specifically for Q.C. lab applications have been launched by CAMAG, Switzerland. There will be up to 5 identical looking instruments side by side with automated movement of plates. Each instrument will perform one step of the HPTLC procedure.

APPLICATION STEPS OF HPTLC "PRO":

1. Sample Application
2. Chromatogram Development
3. Derivatization
4. Detection By Hyperspectral Means
5. MS Interface

A sixth module will be for plate storage. Up to five plates can be chromatographed without manual intervention, with up to 3 mobile phases. As of April 2021, 3 modules i.e. Plate Storage, Application and Development have been released. Anchrom in Mumbai already installed the world's first Pro sold by CAMAG. Manufacturers for regulated markets, Indian regulatory authorities, and commercial analytical labs will rely on HPTLC "PRO", once they have evaluated it. Live demo in Mumbai on request.



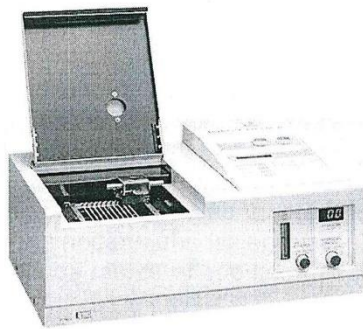
CAMAG HPTLC PRO SYSTEM

IATROSCAN:

The Iatroscan TLC/FID chromatograph is manufactured by LSIM, Japan and sold in India by Anchrom since 1978. It combines the advantages of separation by TLC (of non-volatiles) with detection by FID (popular detector in GC).

It is most ideally suited for SARA analysis i.e., Saturates, Aromatics, Resins and Asphaltenes found in petroleum oil. It is an official method (IP-469).

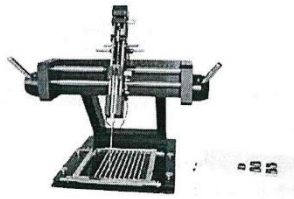
Most petroleum industry research and refining units in India have installed the same. Bio lipids is another area of great interest.



IATROSCAN TLC-FID CHROMATOGRAPH

SPOTTER FOR IATROSCAN:

SES GmbH, the German distributor for Iatroscan developed a semi-auto applicator for spotting on the "chromarods". The "chromarods" are reusable 15cm long quartz rods with a 75 μ m sintered layer of silica gel. Their diameter of 1mm makes it difficult to spot the samples. The SES spotter ideally solves this problem.



SPOTTER FOR IATROSCAN

APPLICATIONS OF HPTLC:

★ Narcotics

Forensic analysis is the multi-disciplinary application of scientific knowledge and sophisticated instruments for investigating crime related materials and biological samples. A frequent but challenging aspect of forensic toxicology is the identification of unknown poisonous substances in lethal intoxication cases. HPTLC offers identification as well as qualitative and quantitative analysis for toxic substances, CAMAG HPTLC offers rapid identification of such toxins for antidote administration.

★ Food Analysis

Foods usually originate as botanical products and therefore are naturally variable as well as complex. HPTLC can confirm identities of complex mixtures as well as detect adulteration. HPTLC is the first method of analysis because it is simple, risk free, fast, economical and analyses 100-120 samples a day, without producing much waste. Anchrom has waged a war against adulteration and already created 50 internationally acceptable methods to detect adulterants, at a low cost for market surveillance.

★ Quantification Of Markers

HPTLC Fingerprint is a technique adopted by the US & European Pharmacopoeias recently for the purpose of identification of "botanical materials", all of which are very complex in nature. HPTLC Fingerprint is the representation of the phytochemical composition of a plant extract or formulation, in the form of a conventional image i.e. a photograph. Fingerprint can also be used to monitor batch to batch consistency and stability studies of herbal medicines, dietary supplements etc

★ Speciality Chemicals Analysis

High Performance Thin Layer Chromatography (HPTLC) is a valuable tool to check purity, impurity of any non-volatile organic industrial materials such as dyes, surfactants, pesticides, perfumery compounds, intermediates etc. It is far simpler, cheaper and easier to understand than other similar methods of analysis. HPTLC can be used very effectively in reverse engineering because it enables rapid comparison with e.g. standard provided by a buyer or other similar products in the market. Chemical reactions can be studied very quickly e.g. within 2 hours. Complex mixtures like biological samples, reaction mixtures,

fermentation broth can be easily chromatographed without much sample preparation.

★ Dyes & Intermediates Analysis

Dyes and intermediates are non-volatile organic substances and so best suited for HPTLC analysis. HPTLC analysis is very low cost and results are "visible". Coloured substances are therefore particularly ideal for HPTLC analysis. HPTLC enables comparison of different samples or with standard analysis of competition samples apart from purity and impurity determination. All kinds of optical brightener, intermediates, dyes and banned amines can be analysed by HPTLC.

★ Biotechnology Applications

HPTLC is a most versatile analytical technique which offers a great separation power using precise sample application, software-controlled chromatographic steps, chromatogram development and scanning and photo documentation. Separated samples can be visually checked on the plate is a unique aspect of HPTLC. Biotechnology industry is considered as one of the most research-intensive sectors in the world. Therefore, shorter analysis time, low sample analysis cost per sample, minimal contamination possibilities and reliable accurate results are essential which are provided by HPTLC. HPTLC can analyse different samples simultaneously with zero risk of cross contamination. HPTLC also offers the advantage of evaluating a plate by any specific process using different detection modes (UV, fluorescence, etc.) By coupling HPTLC with a MS or other suitable methods such as NMR, FTIR, ESI, MALDI, one can identify and or confirm the chemical structures of the analyte under study.

★ Cosmetics Analysis

Sunscreen products are widely used across the globe due to their benefits of preventing skin from tanning and sunburns. The UV filters used in such formulations protect the skin from harmful UV rays by forming a thin, protective layer on the skin thereby blocking or absorbing UV rays from penetrating the skin. The safety of such products is of vital importance since they tend to interact with the biological matrices. In order to shield the consumer's health from any harmful effects, HPTLC technique can be employed for the detection of such filters, the identity of which can be further confirmed by mass spectrometer.

Conclusion

The online internship at Anchrom laboratories was an enriching experience. Even though it was online all videos about working and use of every equipment were taught. Even a full fledged virtual tour was also given, to provide insight. I learned HPTLC and it's applications in detail. This opportunity gave me an insight into Analytical departments of a pharmaceutical laboratory. It has overall nurtured in me a spark to develop a professional outlook towards the work and profession.

M. K. Shukla
Mrs. Nishi Shukla

Acknowledgement

I would like to express my gratitude to Mr. Amit Palande and his team for this invaluable opportunity.

I am thankful to them for training me and allowing me to gain maximum knowledge during the online training.

I would also like to thank the Principal, Dr. (Mrs.) Supriya Shidhaye and my class-coordinators for giving me this wonderful opportunity.

Conclusion

- The online internship at P&G Consumer Health (MAPLab), Chembur, Mumbai, was an enriching experience. Even though it was online all videos about working and use of every equipment was taught. Even a full fledged virtual tour was also given, to provide insight.
- I not only learnt about the practical applications of my theoretical knowledge, but also understood the importance of following appropriate laboratory protocol as is required by a formulation and analytical scientist. This opportunity gave me an insight into the Research and Development process as well as Analytical and Formulation departments of a pharmaceutical laboratory.
- It has overall nurtured in me a spark to develop a professional outlook towards the work and profession.

Acknowledgement

I would like to express my gratitude to **P&G (MAPLab)** for this invaluable opportunity.

I am thankful to **Mr. Inder Gulati** (Formulation R&D Lead), **Mr. Tarun Goel**(Analytical Head),and **Mr. Bikram Bhowmik**(Packaging Head) for training me and allowing me to gain maximum knowledge during the online training.

I would also like to thank the Principal, **Dr. (Mrs.) Supriya Shidhaye** and my class-coordinator **Mr. Keyur Shastri** for giving me this wonderful opportunity.



Neha Chhabra <neha.chhabra@ves.ac.in>

Link for Demo of GastroPlus software on July 17th

2 messages

Neha Chhabra <neha.chhabra@ves.ac.in>

Fri, Jul 16, 2021 at 7:01 PM

To: lybpharm2021@ves.ac.in

Cc: Keyur Shastri <keyur.shastri@ves.ac.in>, Harsha Kathpalia <harsha.kathpalia@ves.ac.in>, Supriya Shidhaye <supriya.shidhaye@ves.ac.in>, Rajashree Hirlekar <rajashree.hirlekar@ves.ac.in>

Session: Demo on Gastro Plus

17/7/2021

10 AM-12 Noon

<https://us06web.zoom.us/j/4549530685?pwd=ZE1YQjZMSFM3RytwdjVpbUNpOFo5dz09>

Meeting ID: 454 953 0685

Passcode: wp3Q11

1. Attendance is Mandatory
2. Prerequisites for the session:
 - Basics of Pharmacokinetics
 - Solubility
 - PKA, Log P

Looking forward to see you there !

Thanks and Regards,

Dr. Neha Chhabra

Assistant Professor

Vivekanand Education Society's College of Pharmacy

Hashu Advani Memorial Complex, Behind Collector Colony,

Chembur (E) Mumbai 400 074

Phone: 96195-16596

Email: neha.chhabra@ves.ac.in

On Fri, Jul 16, 2021 at 10:35 AM Keyur Shastri <keyur.shastri@ves.ac.in> wrote:

Dear Final Year B Pharm students,

Kindly refer to the trailing mail of Dr Neha Chhabra Madam, you will be attending a Demo of GastroPlus software on July 17th, 10 AM - 12 noon (Link to follow).

Tomorrow's minor changes in the Final Year B Pharm time-table will be mailed to you by today evening.

With Best Wishes

Mr K V Shastri

Assistant Professor

Vivekanand Education Society's College of Pharmacy

Chembur (East), Mumbai - 4000 74

Maharashtra, India

----- Forwarded message -----

From: **Neha Chhabra** <neha.chhabra@ves.ac.in>

Date: Thu, Jul 15, 2021 at 1:08 PM

Subject: Demo of GastroPlus software on July 17th For M.Pharm students and faculty members

To: vescop_educationists <vescop_educationists@ves.ac.in>

Cc: Supriya Shidhaye <supriya.shidhaye@ves.ac.in>

Respected seniors and dear colleagues,

Greetings to all of you!

We are organizing a lecture on the Demo of GastroPlus software on July 17th, 2021, 10 AM - 12 noon (Link to follow). The demonstration of the software is a part of M.Pharm (Pharmaceutics) Sem II curriculum. However, you



Dr. (Mrs.) Supriya S. Shidhaye
PRINCIPAL
Vivekanand Education Society's
College of Pharmacy
HAMC, Behind Collector Colony,
Chembur, Mumbai - 400 074.

Attendance (Demo of GastroPlus) 17/7/2021; 10AM (Responses)

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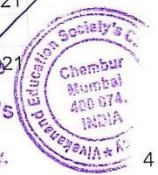


Dr. (Mrs.) ^{HS}Supriya S. Shidhaye
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HAMC, Behind Collector Colony,

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7/17/2021 10:28:07	rao.shubhang.mp2020@ves.ac.in	SHUBHANG NANDKUMAR	9619006782	M.Pharm FY (Pharmaceu	MPH20921
7/17/2021 10:28:07	abhijeetwadhawe07@gmail.com	Abhijeet wadhawe	9527157256	M.Pharm FY (Quality ass	M QA 21521
7/17/2021 10:28:07	merin.kuriakose@ves.ac.in	Merin Kuriakose	7902427729	L.Y. B Pharm Div B	76921
7/17/2021 10:28:08	desai.sarvesh@ves.ac.in	Sarvesh Desai	7045610169	L.Y. B Pharm Div B	75621
7/17/2021 10:28:08	samal.vidya@ves.ac.in	Samal Vidya Ramesh	8104219466	L.Y. B Pharm Div B	78021
7/17/2021 10:28:10	colaco.malaika@ves.ac.in	Malaika Colaco	08898489232	L.Y. B Pharm Div B	75521
7/17/2021 10:28:12	renugadevi.poovarajan@ves.ac.in	Renugadevi Poovarajan	7045701706	L.Y. B Pharm Div A	73421
7/17/2021 10:28:13	saritasonar3459@gmail.com	Sarita Sonar	7506850130	L.Y. B Pharm Div B	78221
7/17/2021 10:28:14	kadu.archit@ves.ac.in	Archit Kadu	9029467546	L.Y. B Pharm Div B	76121
7/17/2021 10:28:15	bhakare.swarali.mp2020@ves.ac.in	Swarali Bhakare	8552033982	M.Pharm FY (Quality ass	M-QA-20221
7/17/2021 10:28:16	oorja.kayasth@ves.ac.in	Oorja Kayasth	8758323637	L.Y. B Pharm Div B	77021
7/17/2021 10:28:16	nair.sowparnika.mp2020@ves.ac.in	SOWPARNIKA RAVINDR	8452937139	M.Pharm FY (Quality ass	M-QA-21021
7/17/2021 10:28:17	matharu.simran@ves.ac.in	Simran Matharu	09833001607	L.Y. B Pharm Div A	71721
7/17/2021 10:28:18	gidwani.tamanna.mp2020@ves.ac.in	Tamanna	8850292533	M.Pharm FY (Pharmaceu	MpH20421
7/17/2021 10:28:19	yamgar.shubhangi@ves.ac.in	Shubhangi Yamgar	09137189885	L.Y. B Pharm Div A	74221
7/17/2021 10:28:20	khuspe.hrituja@ves.ac.in	Hrituja Khuspe	07208239573	L.Y. B Pharm Div B	76421
7/17/2021 10:28:24	rajput.ria@ves.ac.in	Ria Rajput	09653305773	L.Y. B Pharm Div B	77721
7/17/2021 10:28:27	madhavi.tejasvi.mp2020@ves.ac.in	Tejasvi Pandharinath Mac	8879454598	M.Pharm FY (Pharmaceu	M-PH-21521
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7/17/2021 10:28:30	shirke.shruti@ves.ac.in	Shruti Santosh Shirke	8454969254	L.Y. B Pharm Div A	73921
7/17/2021 10:28:34	chavan.aishwarya@ves.ac.in	Aishwarya Chavan	9967430328	L.Y. B Pharm Div B	75321
7/17/2021 10:28:34	gvalani.nilesh@ves.ac.in	Nilesh Gvalani	9594855833	L.Y. B Pharm Div A	71021
7/17/2021 10:28:34	patil.prajakta.mp2020@ves.ac.in	Prajakta Anil Patil	9167480284	M.Pharm FY (Quality ass	M-QA-21121
7/17/2021 10:28:35	shinde.shruti@ves.ac.in	Shruti Shinde	09594892452	L.Y. B Pharm Div B	79221

Dr. (Mrs.) Supriya S. Shinde
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HAMC, Behind Collector Office



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Attendance (Demo of GastroPlus) 17/7/2021; 10AM (Responses)

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
7/17/2021 10:27:26	phalke.maithili@ves.ac.in	Maithili Phalke	8452999963	L.Y. B Pharm Div A	72921
7/17/2021 10:27:29	sakshi.mukesh@ves.ac.ir	Sakshi Kataria	09325437880	L.Y. B Pharm Div A	73521
7/17/2021 10:27:30	mahule.shivani.mp2020@	Shivani Mahule			
7/17/2021 10:27:36	chavan.nirja@ves.ac.in	Nirja Chavan	8446682499	M.Pharm FY (Quality assi	MQA20821
7/17/2021 10:27:37	banga.manmeet@ves.ac.	manmeet singh banga	9930644451	L.Y. B Pharm Div A	70521
7/17/2021 10:27:39	bedse.vaibhav.mp2020@	Vaibhav Ashok Bedse	9833722045	L.Y. B Pharm Div B	75021
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7/17/2021 10:27:46	kamble.nidhi.mp2020@ve	Nidhi Nitin Kamble	08433655892	L.Y. B Pharm Div A	70121
7/17/2021 10:27:49	karanjkar.gauri@ves.ac.ir	Gauri Karanjkar	9819521014	M.Pharm FY (Quality assi	M-QA-20621
7/17/2021 10:27:50	punjabi.simran@ves.ac.ir	Simran Punjabi	8369377157	L.Y. B Pharm Div A	71221
7/17/2021 10:27:51	shah.manav@ves.ac.in	Manav Shah	7977310700	L.Y. B Pharm Div A	73021
7/17/2021 10:27:51	tripathi.asmita.mp2020@	Asmita Kashinath Tripathi	9833675151	L.Y. B Pharm Div A	36
7/17/2021 10:27:53	rai.shubheksha.mp2020@	Shubheksha Raju Rai	9892314659	M.Pharm FY (Quality assi	M QA 21421
7/17/2021 10:27:54	barge.kajal.mp2020@ves	Barge Kajal Shivaji	9987663267	M.Pharm FY (Pharmaceu	M-PH-20821
7/17/2021 10:27:54	naik.mekhala@ves.ac.in	Mekhala Naik	9664242009	M.Pharm FY (Pharmaceu	MPH20121
7/17/2021 10:27:55	salunkhe.omkar@ves.ac.	Omkar Salunkhe	9833343997	L.Y. B Pharm Div A	71921
7/17/2021 10:27:56	gupta.neha@ves.ac.in	Neha Gupta	9075623628	L.Y. B Pharm Div B	79121
7/17/2021 10:27:56	chang.nishant@ves.ac.in	Nishant Chang	7208146449	L.Y. B Pharm Div B	75921
7/17/2021 10:27:58	jain.hrithik@ves.ac.in	Hrithik Jain	8451951489	L.Y. B Pharm Div A	70321
7/17/2021 10:27:58	sarap.shraddha.mp.2020(Shraddha Shrikant Sarap	8369898788	L.Y. B Pharm Div A	71121
7/17/2021 10:27:58	mandlik.ankita@ves.ac.in	Ankita Nitin Mandlik	09604997476	M.Pharm FY (Pharmaceu	M-PH-21221
7/17/2021 10:27:59	waybase.anjali@ves.ac.ir	Anjali bhagwan waybase	8452020771	L.Y. B Pharm Div B	78921
7/17/2021 10:27:59	yelkar.manasi@ves.ac.in	Manasi Rajesh Yelkar	8652094043	L.Y. B Pharm Div A	41
7/17/2021 10:28:00	shetye.srushti@ves.ac.in	Srushti Shetye	8108614063	L.Y. B Pharm Div A	43
7/17/2021 10:28:02	ruchi.bhosale@ves.ac.in	Ruchi Bhosale	9969742020	L.Y. B Pharm Div A	73821
7/17/2021 10:28:04	dhillon.namrata@ves.ac.i	Namrata Kaur Dhillon	9870202120	L.Y. B Pharm Div B	77921
7/17/2021 10:28:05	kulkarni.priyanka@ves.ac	Priyanka Kulkarni	8422955535	L.Y. B Pharm Div B	78621
7/17/2021 10:28:05	darisipudi.satyavatya@ves	Darisipudi Satyavatya	8976850600	L.Y. B Pharm Div A	71521
7/17/2021 10:28:05	mishra.anurag@ves.ac.in	Anurag Mishra	9867005020	L.Y. B Pharm Div A	A70621
			8451817034	L.Y. B Pharm Div A	A71821

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VES COLLEGE OF PHARMACY

Hashu Advani Memorial Complex, Behind Collector Colony, Chembur (E), Mumbai - 400 074

C2C Activity Report A.Y 2021-22

C2C DEPARTMENT/ COMMITTEE/ FACULTY

IQAC ACTIVITY No: (To be included from A.Y. 21-22)

Details of activity:

Name of the Activity	Demo of GastroPlus	Activity No.	
Day, Date	17/7/2021	Department/ Committee/Faculty	C2C/ Dr. Neha Chhabra
Venue	Online	Time	10 a.m.-12 noon
Nature of activity	Indoor/Outdoor (Tick mark appropriate)	Total no. of participants	118

Activity Information:

Objectives	The give demonstration of gastro plus software to students and faculty members
Methodology	The various applications of this simulation software were demonstrated step-by-step using screenshots. The interactive questions and answers session gathered the interest of the budding researchers
Outcomes	<p>The session enlightened the students in alignment with our programme outcomes mentioned below:</p> <ul style="list-style-type: none">• Pharmacy Knowledge – Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.• Planning abilities – Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.• Problem Analysis – Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.

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1

VES COLLEGE OF PHARMACY

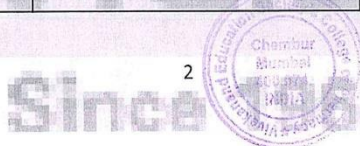
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	<ul style="list-style-type: none"> ● Modern Tool Usage – Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations. ● Pharmaceutical Ethics – Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions. ● Communication – Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions. ● The Pharmacist and Society – Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice. ● Environment and sustainability – Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. ● Life-Long Learning – Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.
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PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

✓	Notice and communication	✓	Feedback form
✓	Student list of participation	✓	Feedback analysis
✓	Photos	✓	Media news details/ PR Post
	Certificate		Any other

Name & Signature of Coordinator	Name & Signature of Head/Committee In charge	Name & Signature of IQAC Coordinator
--------------------------------------------	---------------------------------------------------------	-------------------------------------------------



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 Chembur (E), Mumbai - 400 074

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Dr. Neha Chhabra	Dr. Neha Chhabra	Dr. Rajshree Hirlekar
------------------	------------------	-----------------------

The screenshot shows a Zoom meeting interface. The main content is a presentation slide titled "What is Modeling & Simulation". The slide text reads: "Model and Simulation (M&S) is getting information about how something will behave without actually testing it in real life." Below the text is a flowchart with the following steps: Define Problem, Identify and Introduce Important Variables, Construct Simulation Model, Specify Values of Variables to Be Tested, Conduct the Simulation, Examine the Results, and Select Best Course of Action. The flowchart shows a downward flow from one step to the next, with a feedback loop from "Examine the Results" back to "Specify Values of Variables to Be Tested". On the right side of the Zoom window, there is a vertical list of participants: Prajwal Raut, Dr. Neha Chhabra, T. Shweta Sonikar, Dr. Rajshree Hirlekar, and Shweta Gupta. The Zoom control bar at the bottom includes options like Mute, Stop Video, Security, Participants, Chat, Share Screen, Pause/Stop Recording, Reactions, and More.

V.E.S.
Since 1962



Dr. (Mrs.) *AS* Supriya S. Shidhaye
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HAMC, Behind Collector Colony,
Chembur, Mumbai - 400 074.

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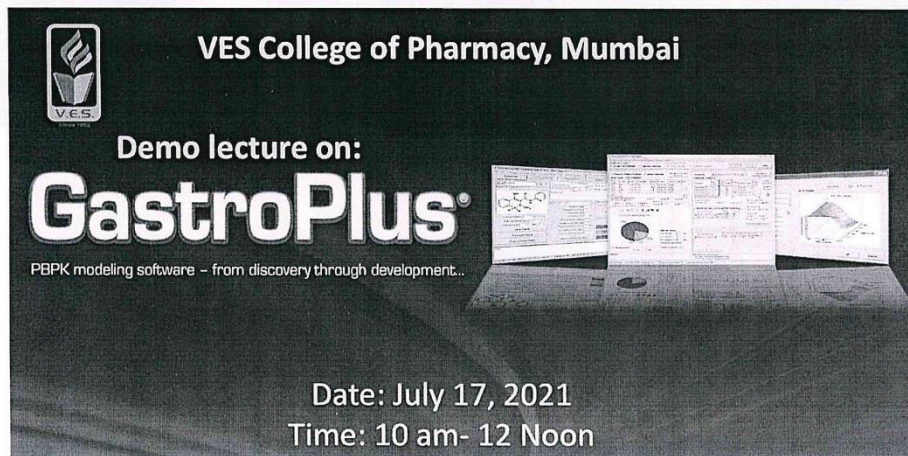
VES College of Pharmacy, Mumbai

Demo lecture on:
GastroPlus
PBPK modeling software - from discovery through development.

Date: July 17, 2021
Time: 10 am- 12 Noon

Session: Demo on Gastro Plus
17/7/2021
10 AM-12 Noon
[https://us06web.zoom.us/j/4549530685?](https://us06web.zoom.us/j/4549530685?pwd=ZE1YQjZMSFM3RytwdjVpbUNpOFo5dz09)
pwd=ZE1YQjZMSFM3RytwdjVpbUNpOFo5dz09
Meeting ID: 454 953 0685
Passcode: wp3Qj1

9:30 AM ✓



VES College of Pharmacy, Mumbai

Demo lecture on:
GastroPlus
PBPK modeling software - from discovery through development..

Date: July 17, 2021
Time: 10 am- 12 Noon

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Rashmi Wani <rashmi.wani@ves.ac.in>

Fwd: Online Internship for the students of VES College of Pharmacy

2 messages

Vidhi Bhatia <vidhi.bhatia@ves.ac.in>
To: Rashmi Wani <rashmi.wani@ves.ac.in>

Fri, Jun 11, 2021 at 9:58 AM

Dear madam,

Kindly make teams link for online session of Lubrizol and send to Kedar sir, myself, Neha madam and ty b Pharm students. E mail of Kedar sir is there in d forwarded message.

Thanks and regards

Mrs Vidhi Bhatia

----- Forwarded message -----

From: **Chikhalkar, Kedar** <Kedar.Chikhalkar@lubrizol.com>
Date: Fri, 28 May 2021 at 12:48
Subject: RE: Online internship for the students of VES College of Pharmacy
To: Vidhi Bhatia <vidhi.bhatia@ves.ac.in>

Hello Dr. Bhatia,

While visit to the premises is not possible. I will be able to provide latest photographs of the R & D facility during the online interactions. I can keep this session on 11th June from 3.0 to 4.0 PM. I prefer the teams or webex platform as Zoom is not accessible from my laptop. Let me know your thoughts so I will block my calendar accordingly.

Best Regards,

Kedar V. Chikhalkar

Head R & D (South Asia and Middle East)

Lubrizol Life Science - Health
Phone: +91 22 66027800; Direct: +91 22 66027861 Cell: +91 9867254608

Lubrizol Advanced Materials India Private Limited

Application and Business Centre, 6th and 9th Floor, Jaswanti Landmark
L. B. Shastri Marg, Vikhroli (West), Mumbai 400079 | India



Lubrizol Life Science | Rx CDMO | Vesta | BMT



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Chembur, Mumbai - 400 074.

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Industrial Visit Report A.Y 2020-21

PROGRAM COMMITTEE

Details of activity:

Name of the Activity	Visit to Lubrizol		
Day, Date	Friday 11-06-2021	Department/ Committee/Faculty	
Venue	Online Microsoft Teams	Time	11:30am to 1:00 pm
Nature of activity	Field work	Total no. of participants	164

Activity Information:

Objectives	1. Visit to pharmaceutical manufacturing company 2. to understand the process behind manufacturing and packaging of pharmaceuticals
Outcomes	The activity correlated to course Students were able to 1. Understand the structure and functioning of a pharmaceutical company 2. Learnt the working of latest instrument used for manufacturing and packaging 3. Visualize the application of theoretical knowledge and helped in experiential learning

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

<input type="checkbox"/>	Notice and communication	<input type="checkbox"/>	Feedback form
<input type="checkbox"/>	Student list of participation	<input type="checkbox"/>	Feedback analysis
<input type="checkbox"/>	Photos	<input type="checkbox"/>	Media news details
<input type="checkbox"/>	Certificate	<input type="checkbox"/>	Any other

Mrs Rashmi Wani <i>Rashmi Wani</i>	Mrs. Vidhi Bhatia <i>Vidhi Bhatia</i>	Dr. Rajashree Hirlekar <i>Rajashree Hirlekar</i>
Name & Signature of Coordinator	Name & Signature of Head/Committee In charge	Name & Signature of IQAC Coordinator

Dr. (Mrs.) Supriya S. Shidhaye
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Chembur, Mumbai - 400 074.



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Rashmi Wani <rashmi.wani@ves.ac.in>

Fwd: Online internship for the students of VES College of Pharmacy

2 messages

Vidhi Bhatia <vidhi.bhatia@ves.ac.in>
To: Rashmi Wani <rashmi.wani@ves.ac.in>

Fri, Jun 11, 2021 at 9:58 AM

Dear madam,

Kindly make teams link for online session of Lubrizol and send to Kedar sir, myself, Neha madam and ty b Pharm students. E mail of Kedar sir is there in d forwarded message.

Thanks and regards

Mrs Vidhi Bhatia

----- Forwarded message -----

From: **Chikhalikar, Kedar** <Kedar.Chikhalikar@lubrizol.com>
Date: Fri, 28 May 2021 at 12:48
Subject: RE: Online internship for the students of VES College of Pharmacy
To: Vidhi Bhatia <vidhi.bhatia@ves.ac.in>

Hello Dr. Bhatia,

While visit to the premises is not possible. I will be able to provide latest photographs of the R & D facility during the online interactions. I can keep this session on 11th June from 3.0 to 4.0 PM. I prefer the teams or webex platform as Zoom is not accessible from my laptop. Let me know your thoughts so I will block my calendar accordingly.

Best Regards,

Kedar V. Chikhalikar

Head R & D (South Asia and Middle East)

Lubrizol Life Science - Health
Phone: +91 22 66027800; Direct: +91 22 66027861 Cell: +91 9867254608

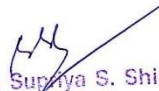
Lubrizol Advanced Materials India Private Limited

Application and Business Centre, 6th and 9th Floor, Jaswanti Landmark
L. B. Shastri Marg, Vikhroli (West), Mumbai 400079 | India



Lubrizol Life Science | Rx CDMO | Vesta | BMT



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HAMC, Behind Collector Colony,
Chembur, Mumbai - 400 074.

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From: Vidhi Bhatia <vidhi.bhatia@ves.ac.in>
Sent: Friday, May 28, 2021 12:38 PM
To: Chikhalkar, Kedar <Kedar.Chikhalkar@lubrizol.com>
Subject: [EXTERNAL] Online internship for the students of VES College of Pharmacy

Dear Sir,

GREETINGS FROM VES COLLEGE OF PHARMACY !!

Thanks a lot for conducting online sessions for our students last year, Kind request to again conduct virtual online training for our students in the month of June. It would be great if you can show your manufacturing premises to the students so that they can understand the industrial operations in a better way , preferable dates are 10th and 11th June, kindly confirm your availability.

thanks and Best Regards

Mrs Vidhi Bhatia
Assistant Professor
VES College of Pharmacy

9819927251

Both the individual sending this e-mail and The Lubrizol Corporation intend that this electronic message be used exclusively by the individual or entity to which it is intended to be addressed. This message may contain information that is privileged, confidential and thereby exempt and protected from unauthorized disclosure under applicable law. If the reader of this message is not the intended recipient, or an employee or agent responsible for delivering the message to the intended recipient, be aware that any disclosure, dissemination, distribution or copying of this communication, or the use of its contents, is not authorized and is strictly prohibited. If you have received this communication and are not the intended recipient, please notify the sender immediately and permanently delete the original message from your e-mail system.

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http://online.lubrizol.com/email/disclaimer/Klicken_Sie_hier_fur_die_deutsche_Ubersetzung.htm
http://online.lubrizol.com/email/disclaimer/Clicar_aqui_para_versao_em_Portugues.htm
http://online.lubrizol.com/email/disclaimer/De_un_clic_aqui_para_su_traduccion_al_espanol.htm
<http://online.lubrizol.com/email/disclaimer/Chinese.htm>
<http://online.lubrizol.com/email/disclaimer/Japanese.htm>

Rashmi Wani <rashmi.wani@ves.ac.in>
To: Neha Chhabra <neha.chhabra@ves.ac.in>

Thu, Aug 26, 2021 at 9:19 PM

Dear Madam,
FYI

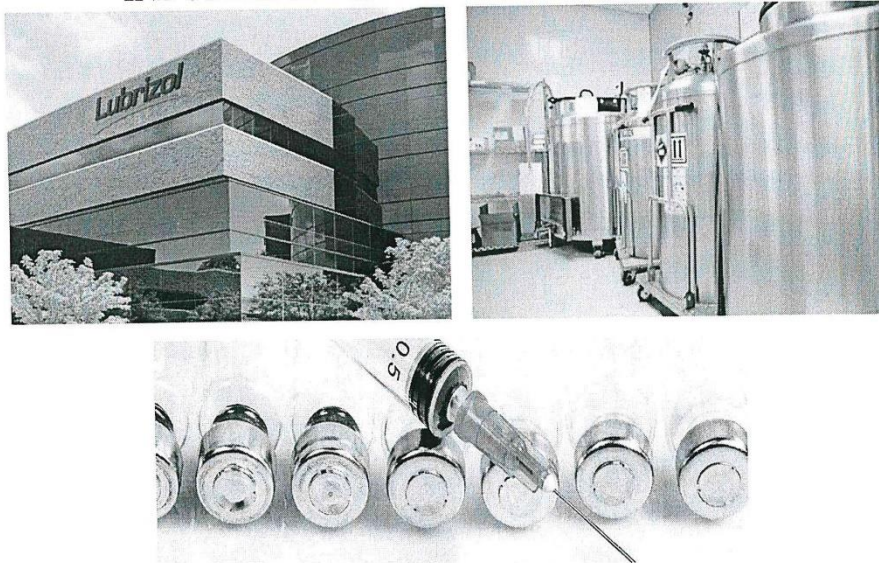
[Quoted text hidden]

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Best Regards,

Mrs. Rashmi Wani

INDUSTRIAL VISIT REPORT ON LUBRIZOL



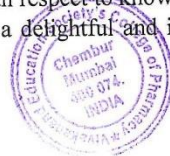
On 11th June 2021 Vivekanand Education Society's College of Pharmacy organized a Campus to Corporate (C2C) activity by Lubrizol Company. The session was conducted through online platform of Microsoft Teams and was very well hosted by Mrs. Rashmi Wani ma'am. Dr. Kedar Chikhalikar sir was the speaker for the session, he is the Head R & D (South Asia and Middle East), Lubrizol Life Science-Health in Lubrizol Advanced Materials India Private Limited. He shared a valuable piece of information about the company and some tips which can be advantageous for the betterment of all the students.

He shared a piece of guidance regarding confidence and leadership. He spoke about how confidence is the necessity in today's era. Confidence can hone one's personality and it is very much important to lead a team or group. Further he explained about why the leadership skills are important and how they can make difference in one's life.

Moreover, he conveyed some tips for the Curriculum Vitae (CV), what is its importance, how it should be designed and what elements should be included in it. He also mentioned about what aspects can make one's CV strong. Along with this he highlighted some points regarding interview skills such as how to appear the interviews, what kind of preparation should be done for the interview, what things should be avoided during interview.

Further he provided a detailed information about the company and the departments of the company, how is the working of the company, what procedures are followed, what are the equipment used for manufacturing and packaging processes. He showed some photographs for explaining about the same.

After the session the speaker, Dr. Kedar Chikhalikar sir answered all the queries of students and faculties very significantly. Then the session was concluded by the host Mrs. Rashmi Wani ma'am by giving vote of thanks to the speaker and Lubrizol Company for the wonderful session. The session was highly informative with respect to knowledge about interview ethics and future career opportunities. It was indeed a delightful and insightful session for all the students.

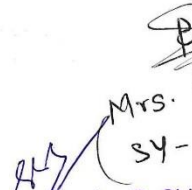


Dr. (Mrs.) Supriya S. Shidhaye
PRINCIPAL
Vivekanand Education Society's
College of Pharmacy

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Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/11/2021 15:16:37	kolpe.raturaj@ves.ac.in	Raturaj Kolpe	9373402274	S.Y. B Pharm Div A	A42421
6/11/2021 15:16:49	fitwalla.saniya@ves.ac.in	Saniya Fitwalla	+918169182260	S.Y. B Pharm Div B	B49321
6/11/2021 15:16:54	soman.akanksha@ves.ac	Akanksha Mallesh Somar	8828482903	S.Y. B Pharm Div A	A44621
6/11/2021 15:17:06	vishwakarma.jitendra@ve	Jitendra Umesh Vishwak	7021114084	S.Y. B Pharm Div B	B49421
6/11/2021 15:17:07	fernandes.gerard@ves.ac	Fernandes Gerard Edwin	07045650190	S.Y. B Pharm Div A	A41021
6/11/2021 15:17:08	dongreshru26@gmail.com	Shrutika Dongre	9082294601	S.Y. B Pharm Div B	45821
6/11/2021 15:17:09	gupta.aniket@ves.ac.in	Gupta Aniket	7021242485	S.Y. B Pharm Div A	A41521
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6/11/2021 15:17:14	rajpreet.kaur@ves.ac.in	Rajpreet Kaur Buttar	7045510121	S.Y. B Pharm Div A	43421
6/11/2021 15:17:17	rao.shubhang.mp2020@	Shubhang N. Rao	9619006782	M. Pharm FY	MPH20921
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6/11/2021 15:17:21	mahind.deepak.mp2020@	Deepak Balasaheb Mahin	9702121671	M. Pharm FY	MPH20521
6/11/2021 15:17:26	george.glory@ves.ac.in	George Glory Robert	9930103546	S.Y. B Pharm Div B	46021
6/11/2021 15:17:27	tiwari.upasana@ves.ac.in	Upasana Tiwari	9819971088	S.Y. B Pharm Div A	A44721
6/11/2021 15:17:32	shaikh.safina@ves.ac.in	Safina Shaikh	9987340667	S.Y. B Pharm Div B	B48621
6/11/2021 15:17:35	jain.kunal@ves.ac.in	Jain Kunal Lalit	7400362511	S.Y. B Pharm Div A	A41921
6/11/2021 15:17:36	doke.namita@ves.ac.in	Namita Doke	8169473512	S.Y. B Pharm Div A	40821
6/11/2021 15:17:48	gupta.srishti@ves.ac.in	Srishti Gupta	9082211695	S.Y. B Pharm Div B	B46221
6/11/2021 15:17:48	shetkar.chaitrali@ves.ac	Shetkar Chaitrali Narendr	7977385376	S.Y. B Pharm Div A	44021
6/11/2021 15:17:50	sharma.sanskriti@gmail.	Sanskriti Sharma	9137760325	S.Y. B Pharm Div A	39
6/11/2021 15:17:51	bagal.sakshi@ves.ac.in	Sakshi Kashinath Bagal	8104229015	S.Y. B Pharm Div A	45321
6/11/2021 15:17:52	patil.prajakta.mp2020@ve	Prajakta Anil Patil	9167480284	M. Pharm FY	M-QA-21121
6/11/2021 15:17:53	phatak.chinmay@ves.ac	Chinmay Phatak	8169972702	S.Y. B Pharm Div A	30
6/11/2021 15:17:55	raut.ankita.mp2020@ves.	Ankita Mayuresh Raut	8668430434	M. Pharm FY	MPH21021
6/11/2021 15:18:00	toke.omkar@ves.ac.in	Omkar Krishna Toke	9892437013	S.Y. B Pharm Div B	49221
6/11/2021 15:18:04	sah.amish@ves.ac.in	Amish Sah	8928217466	S.Y. B Pharm Div B	48121
6/11/2021 15:18:04	autade.ritesh@ves.ac.in	Ritesh Autade	8291750147	S.Y. B Pharm Div A	45221
6/11/2021 15:18:05	gholap.swapnil.mp2020@	Swapnil Chandrakant Gh	7057854620	M. Pharm FY	M QA 20321
6/11/2021 15:18:10	undavia.amisha@ves.ac	Amisha undavia	9930673601	S.Y. B Pharm Div B	44821
6/11/2021 15:18:18	salaskar.sagarika@ves.a	Sagarika Salaskar	9969805457	S.Y. B Pharm Div B	48421
6/11/2021 15:18:18	date.shrutika@ves.ac.in	Shrutika S Date	9869511660	S.Y. B Pharm Div A	40521




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Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/11/2021 15:18:19	pakale.janhavi@ves.ac.in	Janhavi Pakale	09619744218	S.Y. B Pharm Div A	42721
6/11/2021 15:18:21	mhatre.maya@ves.ac.in	Maya Mhatre	9819576878	S.Y. B Pharm Div B	47021
6/11/2021 15:18:22	dumbre.aayushi@ves.ac.	Aayushi Dumbre	9324238606	S.Y. B Pharm Div A	A40920
6/11/2021 15:18:24	satam.ruchika.mp2020@	Ruchika Rajaram Satam	7900063992	M. Pharm FY	M-PH-21321
6/11/2021 15:18:25	bedse.vaibhav.mp2020@	Vaibhav Bedse	+917757876405	M. Pharm FY	M-QA-20121
6/11/2021 15:18:25	sankhari.umang@ves.ac.	Umang Sankhari	09892707496	S.Y. B Pharm Div B	48521
6/11/2021 15:18:28	dikshit.srushti@ves.ac.in	Srushti Dikshit	9421671578	S.Y. B Pharm Div A	A40721
6/11/2021 15:18:31	monisha.rajesh@ves.ac.in	Monisha Kulkarni	+919870453217	S.Y. B Pharm Div B	B47221
6/11/2021 15:18:34	yadav.balaji@ves.ac.in	Balaji Yadav	7021321938	S.Y. B Pharm Div B	49521
6/11/2021 15:18:36	dighe.anjali@ves.ac.in	Anjali Dighe	8169079671	S.Y. B Pharm Div A	40621
6/11/2021 15:18:38	tanvidalvi.09@gmail.com	Tanvi Dalvi	9869464673	S.Y. B Pharm Div B	45721
6/11/2021 15:18:38	gidwani.tamanna.mp2020	Tamanna	8850292533	M. Pharm FY	Ph-20421
6/11/2021 15:18:40	bakre.apurva@ves.ac.in	Apurva Prasanna Bakre	+919769953985	S.Y. B Pharm Div A	A45421
6/11/2021 15:18:43	sah.rahul@ves.ac.in	Sah rahul kumar lal babu	9082698801	S.Y. B Pharm Div B	B48221
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6/11/2021 15:18:47	rane.saloni@ves.ac.in	Saloni Rane	9082457905	S.Y. B Pharm Div A	A43521
6/11/2021 15:18:49	maheshwari.vaibhav@ve	Vaibhav Maheshwari	8329662342/ 942291168	S.Y. B Pharm Div B	46921
6/11/2021 15:18:56	khan.nazish@ves.ac.in	Khan nazish feroz	9702000418	S.Y. B Pharm Div B	66
6/11/2021 15:18:58	jog.arundhati.mp2020@v	Arundhati Raghunath Jog	9869411749	M. Pharm FY	M-QA-20521
6/11/2021 15:19:01	sawant.tanushree@ves.a	Sawant Tanushree Sanja	9082885934	S.Y. B Pharm Div A	A43821
6/11/2021 15:19:05	badade.anuradha@ves.a	Anuradha Badade	9702144039	S.Y. B Pharm Div A	40121
6/11/2021 15:19:11	chandra.komal.mp2020@	KOMAL CHANDRA	9892878386	M. Pharm FY	MPH20221
6/11/2021 15:19:12	pansare.tanvi@ves.ac.in	Tanvi Pansare	8097029121	S.Y. B Pharm Div A	42821
6/11/2021 15:19:17	madhavi.tejasvi.mp2020@	Tejasvi Pandharinath Mac	8879454598	M. Pharm FY	M-PH-21521
6/11/2021 15:19:25	mahule.shivani.mp2020@	Shivani Mahule	8446682499	M. Pharm FY	MQA20821
6/11/2021 15:19:26	chouri.omar@ves.ac.in	Omar Chouri	+919819896469	S.Y. B Pharm Div A	55
6/11/2021 15:19:29	jha.mansi@ves.ac.in	Mansi Jha	7039088663	S.Y. B Pharm Div A	42121
6/11/2021 15:19:36	velar.sangeetha@ves.ac.	Sangeetha Velar	9372930496	S.Y. B Pharm Div A	A44921
6/11/2021 15:19:39	thorat.vaishnavi@ves.ac.i	Vaishnavi Thorat	8679254166	S.Y. B Pharm Div B	B49021
6/11/2021 15:19:41	shirsat.sanjana@ves.ac.ir	Sanjana Shirsat	9324470209	S.Y. B Pharm Div B	48821



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Chembur, Mumbai - 400 074.

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/11/2021 15:19:42	gaikwad.dhanashree@ve	Dhanashree Hanumant G	9653413302	S.Y. B Pharm Div A	41321
6/11/2021 15:19:46	sangoi.vidhi.mp2020@ve	Vidhi Dinesh Sangoi	9773473637	M. Pharm FY	M-PH-21121
6/11/2021 15:19:52	pillai.sneha@ves.ac.in	Sneha Sajeendran Pillai	8928631482	S.Y. B Pharm Div A	A43121
6/11/2021 15:19:54	yadav.sanjana@ves.ac.in	Sanjana vijay yadav	9167996556	S.Y. B Pharm Div B	49621
6/11/2021 15:20:29	joshi.mrunmay@ves.ac.in	Mrunmay Joshi	08850376491	S.Y. B Pharm Div A	42221
6/11/2021 15:20:31	sankulkar.sahil@ves.ac.ir	Sahil Sankulkar	8082600819	S.Y. B Pharm Div A	43721
6/11/2021 15:20:32	bhide.suprita@ves.ac.in	Suprita Prasanna Bhide	9967493245	S.Y. B Pharm Div A	40221
6/11/2021 15:20:48	nair.anupama@ves.ac.in	Anupama Nair	8104584668	S.Y. B Pharm Div B	47521
6/11/2021 15:20:57	date.shrutika@ves.ac.in	Shrutika S Date	9869511660	S.Y. B Pharm Div A	40521
6/11/2021 15:21:08	gurav.mansi@ves.ac.in	Mansi Shankar Gurav	9082113854	S.Y. B Pharm Div A	41621
6/11/2021 15:21:38	aparna.andhe@gmail.com	Aparna Andhe	9769549610	S.Y. B Pharm Div A	A35220
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6/11/2021 15:22:23	lele.mukta@ves.ac.in	Mukta Vivek Lele	9004395068	S.Y. B Pharm Div B	B46821
6/11/2021 15:22:29	patel.rakesh@ves.ac.in	Rakesh Patel	7666182428	S.Y. B Pharm Div B	B47821
6/11/2021 15:22:33	ghorpade.samrudhhi@ves	Samrudhhi Ghorpade	9136324033	S.Y. B Pharm Div A	31421
6/11/2021 15:23:00	nair.aditya@ves.ac.in	Aditya Nair	8369866530	S.Y. B Pharm Div B	47421
6/11/2021 15:23:11	Pujaresamiksha@gmail.c	Samiksha	8879465967	S.Y. B Pharm Div A	32
6/11/2021 15:23:24	taites.aaron.mp2020@ve	Aaron Giles Taites	8390618596	M. Pharm FY	20521
6/11/2021 15:24:32	barge.kajal.mp2020@ves	Barge Kajal Shivaji	9664242009	M. Pharm FY	M-PH-20121
6/11/2021 15:25:01	Shrejalkanojiya25@gmail	Shrejal Arvind Kanojiya	8425973900	S.Y. B Pharm Div B	46521
6/11/2021 15:25:21	puli.pavitra@ves.ac.in	Pavitra Puli	9920426863	S.Y. B Pharm Div A	43321
6/11/2021 15:25:32	mhatre.sejal@ves.ac.in	Mhatre Sejal Ravindra	9969421102	S.Y. B Pharm Div B	47121
6/11/2021 15:25:40	jolad.arvind@ves.ac.in	Arvind Jolad	7045043460	S.Y. B Pharm Div B	49821
6/11/2021 15:26:06	shetty.niriksha@ves.ac.in	Niriksha Divakar Shetty	9702832700	S.Y. B Pharm Div B	48721
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6/11/2021 15:29:44	nilakh.ganesh@ves.ac.in	Ganesh Vasantrao Nilakh	7507568276	S.Y. B Pharm Div A	A42621
6/11/2021 15:30:11	sarap.shraddha.mp2020@	Shraddha Sarap	9604997476	M. Pharm FY	21221



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Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/11/2021 15:31:09	jaiswal.roshni@ves.ac.in	Roshni Jaiswal	8433505787	S.Y. B Pharm Div A	A42021
6/11/2021 15:31:23	ishan.shrinivas@ves.ac.in	Ishan Honavarkar	7738766404	S.Y. B Pharm Div A	41821
6/11/2021 15:31:44	hallye.siddhesh@ves.ac.in	Sudheer	Siddhesh Halle	S.Y. B Pharm Div A	17
6/11/2021 15:33:10	mareshwari.vaibhav@ves.ac.in	Vaibhav Maheshwari	9422911682	S.Y. B Pharm Div B	46921
6/11/2021 15:33:14	nair.sowparnika.mp2020@ves.ac.in	SOWPARNIKA NAIR	09452937139	M. Pharm FY	M-QA-21021
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6/11/2021 15:46:47	raut.prajwal.mp2020@ves.ac.in	PRAJWAL VASANT RAUT	9892521854	M. Pharm FY	21221
6/11/2021 15:50:49	prajapati.kuldeep@ves.ac.in	Kuldeep Prajapati	+919082341172	S.Y. B Pharm Div A	48021
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6/11/2021 16:23:02	tripathi.asmita.mp2020@ves.ac.in	Asmita Kashinath Tripathi	9892314659	M. Pharm FY	14
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6/11/2021 17:04:55	shiraskar.sakshi@ves.ac.in	Sakshi Shiraskar	9545323153	S.Y. B Pharm Div A	41



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VES COLLEGE OF PHARMACY

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C2C Activity Report A.Y 2020-21

C2C DEPARTMENT/ COMMITTEE/ FACULTY

IQAC ACTIVITY No: (To be included from A.Y. 20-21)

Details of activity:

Name of the Activity	Virtual visit to MAP Lab P&G	Activity No.	
Day, Date	2nd June 2021	Department/ Committee/ Faculty	C2C
Venue	Online	Time	
Nature of activity	Indoor/Outdoor (Tick mark appropriate)	Total no. of participants	220


Activity Information:

Objectives	To introduce the students to a research lab with various new equipment and machineries that would assist better understanding during their coursework
Methodology	Virtual visit via robot to the MAP lab, P&G
Outcomes	The session provided sufficient knowledge and skills of the topic in Pharmaceutical Sciences.

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

<input checked="" type="checkbox"/>	Notice and communication	<input checked="" type="checkbox"/>	Feedback form
<input checked="" type="checkbox"/>	Student list of participation	<input checked="" type="checkbox"/>	Feedback analysis
<input checked="" type="checkbox"/>	Photos	<input checked="" type="checkbox"/>	Media news details/ PR Post
<input type="checkbox"/>	Certificate	<input checked="" type="checkbox"/>	Any other

Name & Signature of Coordinator	Name & Signature of Head/Committee In charge	Name & Signature of IQAC Coordinator
Dr. Neha Chhabra	Dr. Neha Chhabra	Dr. Rajashree Hirlekar


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Attendance (Virtual) for M.Pharm, 1st Sem, 2020-21 (Responses)

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/2/2021 14:53:53	jadhav.shivani.bp2020@v	Shivani Jadhav	9136070151	F.Y. B Pharm Div B	67
6/2/2021 14:54:10	ingawale.riya.bp2020@ve	Riya Ingawale	+919137348923	F.Y. B Pharm Div B	65
6/2/2021 14:54:13	mahind.deepak.mp2020@	Deepak Balasaheb Mahin	9702121671	M. Pharm FY	MPH20521
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6/2/2021 14:54:27	mehta.kushalkumar.bp20;	Kushalkumar Mehta	9370139292	F.Y. B Pharm Div B	27821
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6/2/2021 14:54:37	kamble.nidhi.mp2020@ve	Nidhi Nitin Kamble	9819521014	M. Pharm FY	M-QA-20621
6/2/2021 14:54:41	avhad.anuj.bp2020@ves.	Anuj Avhad	7715044688	F.Y. B Pharm Div A	03
6/2/2021 14:54:44	adurkar.tanaya.bp2020@	Tanaya Atul Adurkar	8452997080	F.Y. B Pharm Div A	A20121
6/2/2021 14:54:46	nadgoud.nidhi.bp2020@v	Nidhi Sanjeev Nadgoud	9892224093	F.Y. B Pharm Div A	12521
6/2/2021 14:54:46	sahu.archana.bp2020@v;	Archana Ramesh Sahu	8355830058	F.Y. B Pharm Div B	19221
6/2/2021 14:54:46	patra.riya.bp2020@ves.a	Riya patra	8104715969	F.Y. B Pharm Div B	88
6/2/2021 14:54:47	ubale.rohan.mp2020@ve;	Rohan Ubale	7977694331	M. Pharm FY	Pharmaceutical Chemistry 6
6/2/2021 14:54:49	chandra.komal.mp2020@	Komal Chandra	09892878386	M. Pharm FY	MPH20221
6/2/2021 14:54:50	chuvekar.om.bp2020@ve	Om Kiran Chuvekar	9892468620	F.Y. B Pharm Div B	57
6/2/2021 14:54:52	pawar.vishal.bp2020@ve;	Vishal krishant pawar	8850624146	F.Y. B Pharm Div B	89
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6/2/2021 14:55:13	gawade.nidhi.bp2020@ve	Nidhi Arvind Gawade	7710809075	F.Y. B Pharm Div A	11221
6/2/2021 14:55:14	bangera.priyal.bp2020@v	Priyal Bangera	9920706409	F.Y. B Pharm Div A	06
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6/2/2021 14:55:23	singh.shreya.bp2020@ve	Shreya Randheer Singh	9920905201	F.Y. B Pharm Div A	50
6/2/2021 14:55:27	gholap.trupti.mp2020@ve	Trupti Gholap	9987444525	M. Pharm FY	M-PC- 20121
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6/2/2021 14:55:47	Indulkar.sanika.bp2020@	Sanika indulkar	8104768178	F.Y. B Pharm Div A	16
6/2/2021 14:55:50	kahar.pragya.bp2020@ve	Pragya Kahar	8104891396	F.Y. B Pharm Div A	20
6/2/2021 14:56:16	khan.muzzammil@ves.ac	Muzzammil khan	8767539920	T.Y. B Pharm Div B	66421
6/2/2021 14:56:21	raut.ankita.mp2020@ves.	Ankita Mayuresh Raut	8668430434	M. Pharm FY	MPH21021



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1

Attendance (Virtual tour MAP Lab, P&G) 2/6/2021 (Responses)

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/2/2021 14:56:34	gaikwad.bhagyashree.mp	Bhagyashree Gaikwad	8108130508	M. Pharm FY	Mph 20321
6/2/2021 14:56:41	barge.kajal.mp2020@ves	BARGE KAJAL SHIVAJI	9664242009	M. Pharm FY	M-PH-20121
6/2/2021 14:56:41	vagrecha.niyati.bp2020@	Niyati Vagrech	8898423421	F.Y. B Pharm Div B	102
6/2/2021 14:57:03	chaudhari.divyesh.bp2020@	Divyesh chaudhari	8605624844	F.Y. B Pharm Div A	08
6/2/2021 14:57:05	thanvi.soundarya.bp2020@	soundarya thanvi	7028588464	F.Y. B Pharm Div B	101
6/2/2021 14:57:08	soni.mansi.bp2020@ves.	Mansi Soni Vijaykumar	7900191169	F.Y. B Pharm Div B	99
6/2/2021 14:57:13	fernando.godslin.bp2020@	Godslin Fernando	+8104849519	F.Y. B Pharm Div B	61
6/2/2021 14:57:13	patil.prajakta.mp2020@ve	PRAJAKTA PATIL	9167480284	M. Pharm FY	M-QA-21121
6/2/2021 14:57:14	maldikar.harshada.mp2020@	Harshada Maldikar	9930282464	M. Pharm FY	M-QA-20921
6/2/2021 14:57:16	balotiya.meghraj.bp2020@	Meghraj balotiya	9619930325	F.Y. B Pharm Div A	5
6/2/2021 14:57:20	satam.ruchika.mp2020@	Ruchika Satam	07900063992	M. Pharm FY	M-PH-21321
6/2/2021 14:57:23	sawant.gauri.bp2020@ve	Gauri sawant	9004545774	F.Y. B Pharm Div B	95
6/2/2021 14:57:23	parab.kishori.bp2020@ve	PARAB KISHORI RAVINDRA	8657294927	F.Y. B Pharm Div A	26
6/2/2021 14:57:37	dalvi.kasturi.bp2020@ves	Dalvi Kasturi Bhanudas	8291794325	F.Y. B Pharm Div B	58
6/2/2021 14:57:37	fernando.godslin.bp2020@	Godslin Fernando	8104849519	F.Y. B Pharm Div B	61
6/2/2021 14:57:40	chorghe.sanika.bp2020@	Sanika Chorghe	9969828404	F.Y. B Pharm Div B	56
6/2/2021 14:57:41	patil.gaurav.bp2020@ves	Gaurav patil	9769749812	F.Y. B Pharm Div A	31
6/2/2021 14:58:05	salunkhe.omkar@ves.ac.in	Omkar Salunkhe	9075623628	T.Y. B Pharm Div B	69221
6/2/2021 14:58:10	jaiswal.sahil.bp2020@ves	Sahil Jaiswal	9619270783	F.Y. B Pharm Div B	69
6/2/2021 14:58:40	nair.vishnu@ves.ac.in	VISHNU RAJAN NAIR	9870280711	T.Y. B Pharm Div A	62021
6/2/2021 14:58:44	shraddha23sarap@gmail.com	Shraddha Sarap	09604997476	M. Pharm FY	21221
6/2/2021 14:58:46	sathe.vaishnavi.mp2020@	Sathe Vaishnavi Shashan	7028010662	M. Pharm FY	M-PH-21421
6/2/2021 14:58:54	patil.sakshi.bp2020@ves	Sakshi Patil	9594358884	F.Y. B Pharm Div A	34
6/2/2021 14:58:54	mohitprabhu62@gmail.com	Mohit Prabhu	9920160475	F.Y. B Pharm Div A	36
6/2/2021 14:59:41	sangoi.vidhi.mp2020@ve	Vidhi Dinesh Sangoi	9773473637	M. Pharm FY	M-PH-21121
6/2/2021 14:59:46	gadage.krishna.bp2020@	Krishna Gadage	8928907885	F.Y. B Pharm Div A	11
6/2/2021 14:59:47	sonawane.kirti.bp2020@	Kirti Digambar Sonawane	7021705055	F.Y. B Pharm Div B	98
6/2/2021 14:59:54	khedkar.pratiksha.bp2020@	Khedkar Pratiksha Pandu	7208276301	F.Y. B Pharm Div A	22
6/2/2021 14:59:54	jain.kashish.bp2020@ves	Jain Kashish	9867488575	F.Y. B Pharm Div A	19
6/2/2021 15:00:00	kandalgaonkar.dhanashree	Dhanashree Vilas Kandal	9167607060	F.Y. B Pharm Div B	70
6/2/2021 15:00:04	madhavi.tejasvi.mp2020@	Tejasvi Pandharinath Mac	8879454598	M. Pharm FY	M-PH-21521



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 Chembur, Mumbai - 400 074.

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/2/2021 15:00:07	bhakare.swarali.mp2020@	SWARALI VISHVANATH	8552033982	M. Pharm FY	M-QA-20221
6/2/2021 15:00:10	raut.kshitija.bp2020@ves	Kshitija Mahendra Raut	9372809056	F.Y. B Pharm Div B	91
6/2/2021 15:00:12	kudterkar.abhidnya.bp202	Abhidnya Kudterkar	9820478871	F.Y. B Pharm Div A	23
6/2/2021 15:00:19	mahule.shivani.mp2020@	Shivani Mahule	8446682499	M. Pharm FY	MQA20821
6/2/2021 15:00:21	chaudhari.divyesh.bp202	Divyesh chaudhari	8605624844	F.Y. B Pharm Div A	08
6/2/2021 15:00:26	siddhantkasabi86@gmail.	Siddhant Kasabi	07738475328	F.Y. B Pharm Div B	17221
6/2/2021 15:00:34	patel.anurag.bp2020@ve	Anurag Patel	7400231695	F.Y. B Pharm Div A	27
6/2/2021 15:00:37	rai.shubheksha.mp2020@	Shubheksha Raju Rai	9987663267	M. Pharm FY	M-PH-20821
6/2/2021 15:00:42	nabde.nagesh.mp2020@	Nagesh Nabde	7588772288	M. Pharm FY	07
6/2/2021 15:00:45	sanjana.yadav@ves.ac.in	Yadav Sanjana Vijaynath	8169898625	T.Y. B Pharm Div B	68621
6/2/2021 15:00:47	ektadinesh48@gmail.com	Ekta	9665549568	F.Y. B Pharm Div A	46
6/2/2021 15:01:02	shrouti.saniya.bp2020@v	Saniya Shrouti	7045099110	F.Y. B Pharm Div B	97
6/2/2021 15:01:10	patil.aishwarya.bp2020@	Patil Aishwarya Dayananc	8850480292	F.Y. B Pharm Div B	28721
6/2/2021 15:01:10	ruchi.bhosale@ves.ac.in	Ruchi Bhosale	09870202120	T.Y. B Pharm Div B	80
6/2/2021 15:01:13	tandulkar.sitesh.bp2020@	Tandulkar Sitesh Moreshw	8999352592	F.Y. B Pharm Div A	52
6/2/2021 15:01:14	adurkar.tanaya.bp2020@	Tanaya Atul Adurkar	8452997080	F.Y. B Pharm Div A	A20121
6/2/2021 15:01:16	sawant.anushka.bp2020@	ANUSHKA SAWANT	8169405873	F.Y. B Pharm Div A	44
6/2/2021 15:01:17	khuspe.hrituja@ves.ac.in	Hrituja Khuspe	07208239573	T.Y. B Pharm Div B	66521
6/2/2021 15:01:17	sinha.kairvee.bp2020@ve	Kairvee Sinha	9867055289	F.Y. B Pharm Div A	51
6/2/2021 15:01:27	kewalramani.ginni.bp202	GINNI SUNIL KEWALRAI	8976986352	F.Y. B Pharm Div B	74
6/2/2021 15:01:36	rao.apoorva.bp2020@ves	APOORVA RAO	9326138012	F.Y. B Pharm Div A	23821
6/2/2021 15:01:40	siddhantkasabi86@gmail.	Siddhant Kasabi	07738475328	F.Y. B Pharm Div B	17221
6/2/2021 15:01:44	jakhariya.anjana@ves.ac	Anjana	9766647008	T.Y. B Pharm Div B	69721
6/2/2021 15:01:47	mukherjee.rupsha.bp202	Rupsha Mukherjee	7045420617	F.Y. B Pharm Div B	83
6/2/2021 15:01:54	dalvi.tanvi.bp2020@ves.a	Dalvi Tanvi	8291721418	F.Y. B Pharm Div B	59
6/2/2021 15:01:59	trivedi.vrushti@ves.ac.in	VRUSHTI TRIVEDI	8369766243	T.Y. B Pharm Div B	68521
6/2/2021 15:01:59	sakshi.mukesh@ves.ac.ir	Sakshi Kataria	9325437880	T.Y. B Pharm Div A	63521
6/2/2021 15:02:09	patil.yukta@ves.ac.in	Yukta Patil	08169633091	T.Y. B Pharm Div A	62721
6/2/2021 15:02:13	mane.siddhi.bp2020@ves	Siddhi Mane	7039251557	F.Y. B Pharm Div A	24
6/2/2021 15:02:19	mandlik.ankita@ves.ac.in	Ankita Nitin Mandlik	8452020771	T.Y. B Pharm Div B	69021
6/2/2021 15:02:26	talreja.karishma@ves.ac.i	Karishma Talreja	8828045343	T.Y. B Pharm Div B	69821



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Attendance (Virtual tour MAP Lab, P&G) 2/6/2021 (Responses)

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/2/2021 15:02:31	salunkhe.chaitali@ves.ac	Chaitali Chandrakant Salu	8454811805	T.Y. B Pharm Div B	69621
6/2/2021 15:02:32	vaishnavikonde17@gmail	Vaishnavi Sunil Konde	8356069877	T.Y. B Pharm Div B	95
6/2/2021 15:02:40	mudaliar.nandini.bp2020@	Nandini Mudaliar	9702604299	F.Y. B Pharm Div B	81
6/2/2021 15:02:46	mestry.samiksha.mp2020@	Samiksha Satish Mestry	9833214094	M. Pharm FY	M-PH-20621
6/2/2021 15:02:53	ansari.mahenoor@ves.ac	Mahenoor Ansari	08433655892	T.Y. B Pharm Div A	A60121
6/2/2021 15:02:56	achhra.nikita@ves.ac.in	Nikita Achhra	8655768748	T.Y. B Pharm Div A	64421
6/2/2021 15:02:57	phalke.maithili@ves.ac.in	Maithili Phalke	08452999963	T.Y. B Pharm Div A	62921
6/2/2021 15:02:57	shemna.kashish@ves.ac	Kashish shemna	9867701850	T.Y. B Pharm Div A	63721
6/2/2021 15:03:00	kadu.archit@ves.ac.in	Archit Kadu	9029467546	T.Y. B Pharm Div B	14
6/2/2021 15:03:01	shinde.akanksha.bp2020@	Akanksha Ashok Shinde	9594572240	F.Y. B Pharm Div A	48
6/2/2021 15:03:07	Pal.nistha@ves.ac.in	Nistha Pal	08433871759	T.Y. B Pharm Div B	B69121
6/2/2021 15:03:07	merin.kuriakose@ves.ac.	Merin Kuriakose	7902427729	T.Y. B Pharm Div B	B67021
6/2/2021 15:03:11	anushka.dilip@ves.ac.in	Anushka Bhoir	08108773181	T.Y. B Pharm Div B	64921
6/2/2021 15:03:11	rajput.ria@ves.ac.in	RIA RAJPUT	09653305773	T.Y. B Pharm Div B	67821
6/2/2021 15:03:13	satpal.soniya@ves.ac.in	Soniya Satpal	8482994304	T.Y. B Pharm Div A	47
6/2/2021 15:03:14	chanchlani.vanshika@ves	Chanchlani Vanshika Ma	9673311002	T.Y. B Pharm Div B	65321
6/2/2021 15:03:15	chang.nishant@ves.ac.in	Nishant Chang	8451951489	T.Y. B Pharm Div A	A60321
6/2/2021 15:03:16	pawar.kasturi@ves.ac.in	Kasturi Pawar	9920803176	T.Y. B Pharm Div A	62821
6/2/2021 15:03:17	arondekar.dishank@ves.ε	Dishank Arondekar	08369146589	T.Y. B Pharm Div B	65021
6/2/2021 15:03:18	gupta.jyoti.bp2020@ves.ε	Jyoti Gupta	9702891128	F.Y. B Pharm Div B	64
6/2/2021 15:03:19	singh.om.bp2020@ves.ac	Om Singh	8850515949	F.Y. B Pharm Div A	49
6/2/2021 15:03:20	sumeetbk@gmail.com	Sumeet B Paradkar	9867422974	T.Y. B Pharm Div A	62421
6/2/2021 15:03:22	patil.sakshi@ves.ac.in	Sakshi patil	9004380555	T.Y. B Pharm Div B	B67321
6/2/2021 15:03:25	ankitarai9898@gmail.com	Ankita Rai	09136249700	T.Y. B Pharm Div A	63221
6/2/2021 15:03:26	desai.sarvesh@gmail.com	Sarvesh Desai	7045610169	T.Y. B Pharm Div B	65721
6/2/2021 15:03:26	shubhamghorpade1997@	Shubham Ghorpade	09619882632	T.Y. B Pharm Div A	A 60821
6/2/2021 15:03:27	koli.dhanashree@ves.ac.i	Dhanashree Koli	07208534110	T.Y. B Pharm Div B	66621
6/2/2021 15:03:27	dhillon.namrata@ves.ac.i	Namrata Kaur Dhillon	8422955535	T.Y. B Pharm Div B	68721
6/2/2021 15:03:30	naik.mekhala@ves.ac.in	Mekhala Naik	09833343997	S.Y. B Pharm Div A	61921
6/2/2021 15:03:33	chaskar.shreya@ves.ac.i	Shreya Chaskar	09768003751	T.Y. B Pharm Div A	60421
6/2/2021 15:03:34	pansare.siddhesh@ves.a	Siddhesh Mohan Pansare	9082141548	T.Y. B Pharm Div B	67221

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Virtual Oral MCQ Exam (Responses) 20/2021

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/2/2021 15:03:36	yelkar.manasi@ves.ac.in	Manasi Rajesh Yelkar	8108614063	T.Y. B Pharm Div A	64321
6/2/2021 15:03:36	sonar.sarita@ves.ac.in	Sarita Sonar	7506850130	T.Y. B Pharm Div B	68321
6/2/2021 15:03:37	parab.manasi@ves.ac.in	Manasi Anant Parab	8104975258	T.Y. B Pharm Div A	62321
6/2/2021 15:03:41	soni.mansi.bp2020@ves.	Mansi Soni	7900191169	F.Y. B Pharm Div B	99
6/2/2021 15:03:42	ombale.aditi@ves.ac.in	Aditi Ombale	9326437812	T.Y. B Pharm Div A	62121
6/2/2021 15:03:42	thakur.ambika@ves.ac.in	Ambika Thakur	7738411681	T.Y. B Pharm Div A	64021
6/2/2021 15:03:43	patwa.raj@ves.ac.in	Raj Patwa	09987073747	T.Y. B Pharm Div B	67421
6/2/2021 15:03:44	rane.cherisha@ves.ac.in	Cherisha Rane	09769556644	T.Y. B Pharm Div A	33
6/2/2021 15:03:45	sondkar.shweta.mp2020@	shweta sondkar	9773193700	M. Pharm FY	M-QA211321
6/2/2021 15:03:46	matharu.simran@ves.ac.i	Simran Matharu	9833001607	T.Y. B Pharm Div A	61721
6/2/2021 15:03:49	kulkarni.shruti@ves.ac.in	Shruti Kulkarni	+919969143483	T.Y. B Pharm Div B	66721
6/2/2021 15:03:50	colaco.malaika@ves.ac.ir	Colaco Malaika Denzil	8898489232	T.Y. B Pharm Div B	65621
6/2/2021 15:03:53	karepaka.divya@ves.ac.ir	Divya karepaka	9029640175	T.Y. B Pharm Div A	61321
6/2/2021 15:03:54	mangalath.milton@ves.ac	Milton Mangalath	07219376663	T.Y. B Pharm Div A	A61621
6/2/2021 15:03:55	yadav.aastha.bp2020@ve	Aastha yadav	8657281725	F.Y. B Pharm Div B	210421
6/2/2021 15:03:56	kulkarni.priyanka@ves.ac	Priyanka Kulkarni	8976850600	T.Y. B Pharm Div A	61521
6/2/2021 15:04:02	shetye.srushti@ves.ac.in	Srushti Shetye	9969742020	T.Y. B Pharm Div A	63821
6/2/2021 15:04:06	nair.vishnu@ves.ac.in	Vishnu Nair	9870280711	T.Y. B Pharm Div A	62021
6/2/2021 15:04:12	patil.malhar@ves.ac.in	Malhar Patil	8355805178	T.Y. B Pharm Div A	62521
6/2/2021 15:04:14	yamgar.shubhangi@ves.e	Shubhangi Yamgar	09137189885	T.Y. B Pharm Div A	64221
6/2/2021 15:04:20	samal.vidya@ves.ac.in	Samal Vidya Ramesh	8104219466	T.Y. B Pharm Div B	68121
6/2/2021 15:04:23	gvalani.nilesh@ves.ac.in	Gvalani Nilesh Roshan	9594855833	T.Y. B Pharm Div A	A61021
6/2/2021 15:04:35	anmolpunyarthi4@gmail.c	Anmol Ganesh Punyarthi	8454061388	T.Y. B Pharm Div A	31
6/2/2021 15:04:50	mandlik.ankita@ves.ac.in	Ankita Nitin Mandlik	8452020771	T.Y. B Pharm Div B	69021
6/2/2021 15:04:54	bhanushali.devanshi@ve	Devanshi Bhanushali	9028231507	T.Y. B Pharm Div A	60221
6/2/2021 15:04:59	dikshita.dharmaraj@ves.e	Dikshita Dharmaraj Akhila	9820610912	T.Y. B Pharm Div A	07
6/2/2021 15:05:01	taites.aaron.mp2020@ve	Aaron Giles Taites	8390618596	M. Pharm FY	20521
6/2/2021 15:05:03	parab.gauravi@ves.ac.in	Gauravi Parab	8424815909	T.Y. B Pharm Div A	A62221
6/2/2021 15:05:04	waybase.anjali@ves.ac.ir	Anjali bhagwan waybase	8652094043	T.Y. B Pharm Div A	41
6/2/2021 15:05:05	shetye.srushti@ves.ac.in	Srushti Shetye	9969742020	T.Y. B Pharm Div A	63821
6/2/2021 15:05:15	lakhpatiani.jayesh@ves.a	Jayesh Lakhpatiani	9867678937	T.Y. B Pharm Div B	68921

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Attendance (Virtual tour MAP Lab, P&G) 2/6/2021 (Responses)

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/2/2021 15:05:17	chavan.aishwarya@ves.a	Aishwarya Chavan	99674 30328	T.Y. B Pharm Div B	65421
6/2/2021 15:05:20	morale.smita.bp2020@ve	Smita Navnath Morale	8108638776	F.Y. B Pharm Div B	28021
6/2/2021 15:05:22	salunkhe.chaitali@ves.ac	Chaitali Chandrakant Salu	8454811805	T.Y. B Pharm Div B	69621
6/2/2021 15:05:22	kumari.sneha.bp2020@v	KUMARI SNEHA	9326375146	F.Y. B Pharm Div B	77
6/2/2021 15:05:22	jain.darsh.bp2020@ves.a	Darsh Jain	7045385091	F.Y. B Pharm Div A	18
6/2/2021 15:05:37	rebello.shaina@ves.ac.in	Shaina Rebello	9619883395	T.Y. B Pharm Div B	67921
6/2/2021 15:05:40	puthran.rishit.bp2020@ve	Rishit Puthran	9321974880	F.Y. B Pharm Div A	37
6/2/2021 15:05:42	lad.hitesh@ves.ac.in	Hitesh Lad	09869620089	T.Y. B Pharm Div B	66821
6/2/2021 15:05:50	ghadi.shambhavi@ves.ac	Shambhavi Ghadi	9422038669	T.Y. B Pharm Div B	59
6/2/2021 15:05:50	patil.shruti@ves.ac.in	Shruti Naresh Patil	9820389484	T.Y. B Pharm Div A	26
6/2/2021 15:05:55	shirke.shruti@ves.ac.in	Shruti Shirke	8454969254	T.Y. B Pharm Div A	63921
6/2/2021 15:05:59	prajapati.sakshi.bp2020@	Sakshi Prajapati	8104017059	F.Y. B Pharm Div B	90
6/2/2021 15:06:02	tondwalkar.alisha@ves.ac	Alisha Rajesh Tondwalkar	9702697169	T.Y. B Pharm Div B	68421
6/2/2021 15:06:09	sawant.manasi@ves.ac.ir	Manasi Sawant	9594258664	T.Y. B Pharm Div B	68221
6/2/2021 15:06:11	shinde.shruti@ves.ac.in	Shruti Shinde	09594892452	T.Y. B Pharm Div B	69321
6/2/2021 15:06:12	kadam.smruti@ves.ac.in	Smruti Kadam	7021636976	T.Y. B Pharm Div B	69421
6/2/2021 15:06:15	guntuka.rajveer@ves.ac.i	Rajveer Guntuka	8097557881	T.Y. B Pharm Div A	A60921
6/2/2021 15:06:15	renugadevi.poovarajan@	Renugadevi	7045701706	T.Y. B Pharm Div A	63421
6/2/2021 15:06:30	darisipudi.satyavaty@ves	Satyavaty Darisipudi	9867005020	T.Y. B Pharm Div A	A60621
6/2/2021 15:06:37	gawande.ashwati@ves.ac	Ashwati ashok gawande	9076460251	T.Y. B Pharm Div B	10
6/2/2021 15:06:39	maindan.saloni@ves.ac.in	Saloni Maindan	9619224821	T.Y. B Pharm Div B	69
6/2/2021 15:06:40	punjabi.simran@ves.ac.in	Simran Punjabi	7977310700	T.Y. B Pharm Div A	A63021
6/2/2021 15:06:41	kakade.dhanashri.bp2020	Kakade Dhanashri Balasa	8928402544	F.Y. B Pharm Div A	21
6/2/2021 15:06:41	parihar.harsh.bp2020@ve	Harsh Parihar	7597700487	F.Y. B Pharm Div B	86
6/2/2021 15:06:46	kadam.smruti@ves.ac.in	Smruti Kadam	07021636976	T.Y. B Pharm Div B	69421
6/2/2021 15:06:51	patil.chinmaya.bp2020@	Chinmaya Patil	7039858322	F.Y. B Pharm Div A	30
6/2/2021 15:07:02	patil.yukta@ves.ac.in	Yukta Patil	08169633091	T.Y. B Pharm Div A	62721
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6/2/2021 15:07:09	chaudhari.krish.bp2020@	Krish.Mahendra.Chaudha	7208481680	F.Y. B Pharm Div A	10921
6/2/2021 15:07:11	gupta.harinath.bp2020@	Gupta Harinath Vishram	9324526267	F.Y. B Pharm Div A	14
6/2/2021 15:07:20	seema84gomase@gmail.	Seema Gomase	9594655870	T.Y. B Pharm Div B	88



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Chembur, Mumbai - 400 074.

Attendance (Virtual tour MAP Lab, P&G) 2/6/2021 (Responses)

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/2/2021 15:07:24	karanjkar.gauri@ves.ac.ir	Gauri Karanjkar	08369377157	T.Y. B Pharm Div A	61221
6/2/2021 15:07:29	pandey.gaurav.bp2020@ves.ac.in	Gaurav Pandey	8454979200	F.Y. B Pharm Div A	85
6/2/2021 15:07:37	Pal.nistha@ves.ac.in	Nistha Pal	08433871759	T.Y. B Pharm Div B	69121
6/2/2021 15:07:39	mishra.anurag@ves.ac.in	Anurag Mishra	8451817034	T.Y. B Pharm Div A	61821
6/2/2021 15:07:57	menon.shreya.bp2020@ves.ac.in	Shreya menon	8652646215	F.Y. B Pharm Div B	79
6/2/2021 15:08:23	jain.hrithik@ves.ac.in	Hrithik Jain	8369898788	T.Y. B Pharm Div A	61121
6/2/2021 15:08:58	mukadam.tahoorabp2020@ves.ac.in	Tahoor Javid Mukadam	9967020534	F.Y. B Pharm Div B	82
6/2/2021 15:09:39	chavare.shrutali@ves.ac.in	Shrutali Shantaram Chavare	8652089362	T.Y. B Pharm Div B	65521
6/2/2021 15:11:01	bhosale.rutuja.bp2020@ves.ac.in	Rutuja Suhas Bhosale	9356621358	F.Y. B Pharm Div B	55
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6/2/2021 15:12:00	rao.shubhang.mp2020@ves.ac.in	Shubhang Rao	7977535098	M. Pharm FY	MPH20921
6/2/2021 15:12:22	hande.piyush.bp2020@ves.ac.in	Piyush Ramesh Hande	9152117512	F.Y. B Pharm Div A	A21521
6/2/2021 15:12:30	chaudhari.krish.bp2020@ves.ac.in	Krish.Mahendra.Chaudhari	7208481680	F.Y. B Pharm Div A	09
6/2/2021 15:12:38	bhide.chinmayee.bp2020@ves.ac.in	Chinmayee Bhide	981981302	F.Y. B Pharm Div A	07
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 Chembur, Mumbai

Attendance (Virtual tour MAP Lab, P&G) 2/6/2021 (Responses)

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/2/2021 18:48:24	poojari.rakshit@ves.ac.in	Rakshit Poojari	09322033974	L.Y. B Pharm	67621
6/2/2021 21:04:10	prajwalraut1998@gmail.c	PRAJWAL VASANT RAU	9892521854	M. Pharm FY	21221



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5/23/21, 3:59 PM

Welcome to Vivekanand Education Society's College of Pharmacy



Vidhi Bhatia <vidhi.bhatia@ves.ac.in>

Online Inplant training of Ty students

Fri, May 28, 2021 at 3:27 PM

Gulati, Inder <gulati.i@pg.com>
To: Vidhi Bhatia <vidhi.bhatia@ves.ac.in>

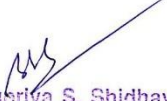
Dear Vidhi mam,

We will be able to perform the training in first week of June.

We can do this session on following days

1. 02nd June – 2.30 pm to 3.30 pm
2. 7th June – 3 pm – 4 pm

[Quoted text hidden]


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<https://mail.google.com/mail/u/1?ik=d86561c49a&view=pt&search=all&permmsgid=msg-f%3A1700995624274340084&simpl=msg-f%3A1700995...> 1/1

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VES COLLEGE OF PHARMACY

Hashu Advani Memorial Complex, Behind Collector Colony, Chembur (E), Mumbai - 400 074

C2C Activity Report A.Y 2020-21

C2C DEPARTMENT/ COMMITTEE/ FACULTY

IQAC ACTIVITY No: (To be included from A.Y. 20-21)

Details of activity:

Name of the Activity	Virtual visit to MAP Lab P&G	Activity No.	
Day, Date	2nd June 2021	Department/ Committee/Faculty	C2C
Venue	Online	Time	
Nature of activity	Indoor/Outdoor (Tick mark appropriate)	Total no. of participants	220


Activity Information:

Objectives	To introduce the students to a research lab with various new equipment and machineries that would assist better understanding during their coursework
Methodology	Virtual visit via robot to the MAP lab, P&G
Outcomes	The session provided sufficient knowledge and skills of the topic in Pharmaceutical Sciences.

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

<input checked="" type="checkbox"/>	Notice and communication	<input checked="" type="checkbox"/>	Feedback form
<input checked="" type="checkbox"/>	Student list of participation	<input checked="" type="checkbox"/>	Feedback analysis
<input checked="" type="checkbox"/>	Photos	<input checked="" type="checkbox"/>	Media news details/ PR Post
<input type="checkbox"/>	Certificate	<input checked="" type="checkbox"/>	Any other

Name & Signature of Coordinator	Name & Signature of Head/Committee In charge	Name & Signature of IQAC Coordinator
Dr. Neha Chhabra	Dr. Neha Chhabra	Dr. Rajashree Hirlekar

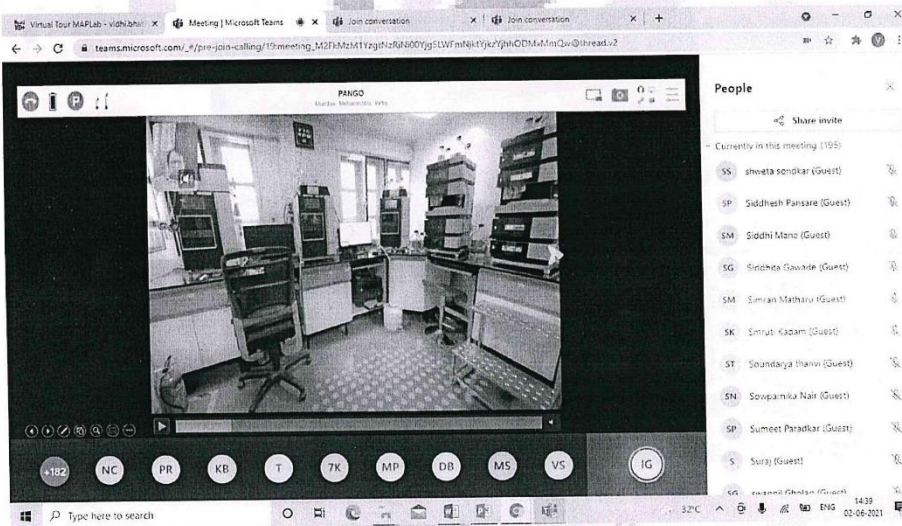
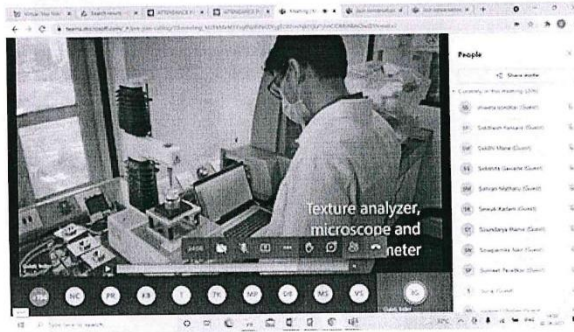

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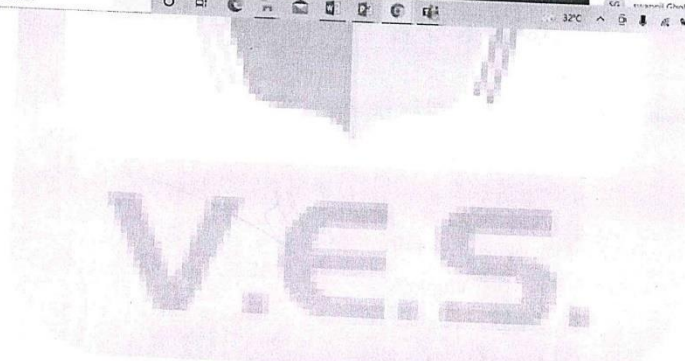
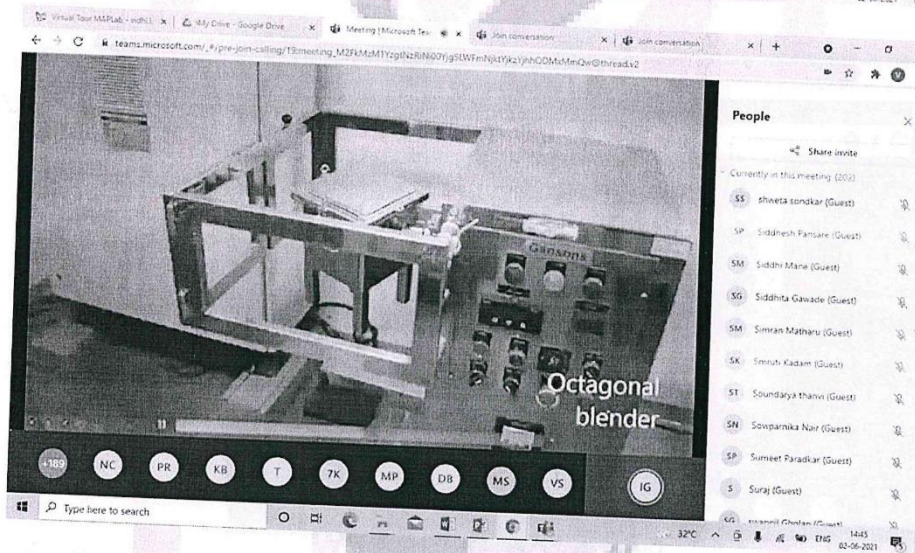
TEXTURE ANALYSER



[Signature]
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Attendance for FY M Pharm Industrial Visit (7_04_2021) (Responses).xlsx

Timestamp	Email Address	Full Name	Roll Number
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4/7/2021 11:07:07	madhavi.janvi.mp2020@v	Janvi Madhavi	M-QA-20721
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4/7/2021 11:20:31	sarap.shraddha.mp2020@	Shraddha Shrikant Sarap	M-PH-21221
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4/7/2021 11:26:10	nabde.nagesh.mp2020@	Nagesh Vishnu Nabde	M-PH-20721
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4/7/2021 11:47:20	satam.ruchika.mp2020@	Ruchika Rajaram Satam	M-PH-21321
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4/7/2021 11:36:46	wadhav.abhijeet.mp2021@	Abhijeet kondibarao wadh	M-QA 21521



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**VIVEKANAND EDUCATION
SOCIETY'S
COLLEGE OF PHARMACY**

Academic Year 2020-21

INDUSTRIAL VISIT

Class Third Year B Pharm

**SEMESTER V and VI
(CBCS)**

✧

INDUSTRY VISIT TO MAP LAB (online)

Date of conduction: 7th April, 2021

Time of conduction: 11:00am -12:00pm

Mode of conduction: Microsoft Teams Application

Location of Lab: Merck lab, 7th floor of VES College of Pharmacy, Chembur.

Speaker: Mr. Inder Gulati.

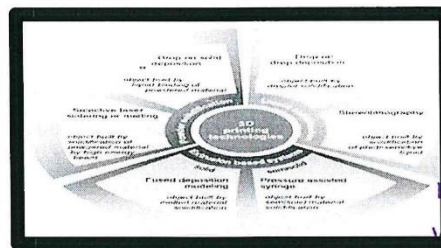
Organizer: Dr.Aparna Palshetkar, Ms.Harsha Khatpalia, Dr.Rajashree Hirlekar, Dr.Supriya Siddhaye

The Map lab facility includes sitting area, Analytical area, pH meters and diffusion testers for transdermal formulations, 6 HPLC instruments, five chambers maintained at different conditions to evaluate the products at specified intervals, formulation area, an area for 3D printing, Store area, Conference room, etc.

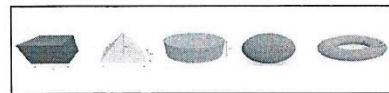
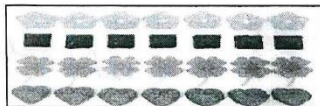
Lecture on 3D Printing covered the types of 3D Printing, customization of tablet design and demonstration on working of 3D printing machine.

1) Types of 3D printing:

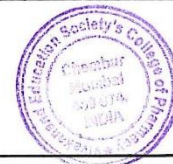
- A. Powder Solidification : Drop-On-Solid Deposition & Selective Laser Sintering/Melting
- B. Liquid Solidification : Drop-On-Drop Deposition & Stereolithographic (SLA)
- C. Extrusion Based System : Solid : Fuse Deposition Modelling (FDM) & Semi-solid: Pressure Assisted Syringe



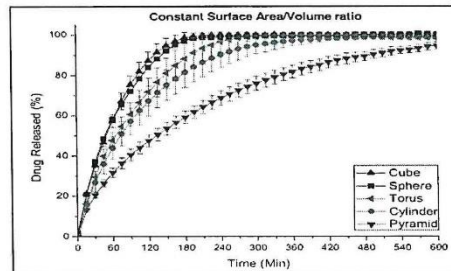
2) Customization of Tablet Design:



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Customization of dissolution profile: In the study, the authors has designed five tablets, each with a distinctly different shape — a cube, pyramid, cylinder, sphere, and torus using auto CAD software. They found that when the surface area of the printed tablets was kept constant, the drug release rates were the fastest in the pyramid-shaped tablet, followed by the torus, cube, sphere, and finally the cylinder.



Demonstration: Working of 3D Printing machine:

Steps:

- 1) Create 3D model of the requested object with a Computer Aided Design (CAD) program.
- 2) CAD file is exported to a printer recognizable file format, usually Standard Tessellation Language (STL) file.
- 3) This machine builds the part by layering material in every imaginable orientation.
- 4) Layers are always contoured two-dimensional in an x-y-plane, whereas the third dimension is caused by the stacking of layers on top of each other in z-direction.
- 5) Smaller the layer-thickness is, better is the quality of the final product. Big steps in z-direction lead to shift model or so called "stair-step effect".

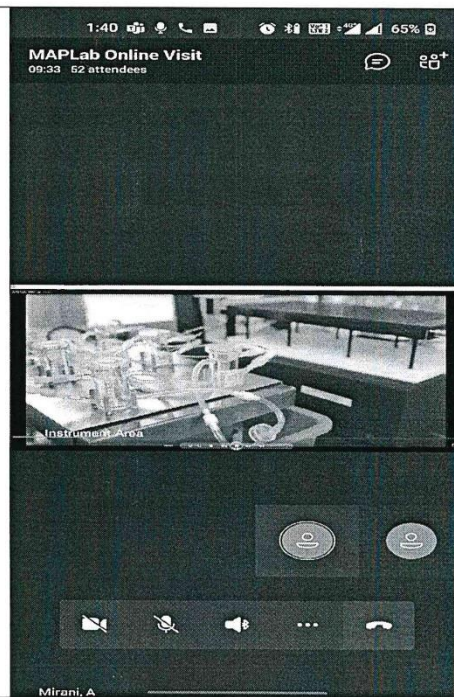
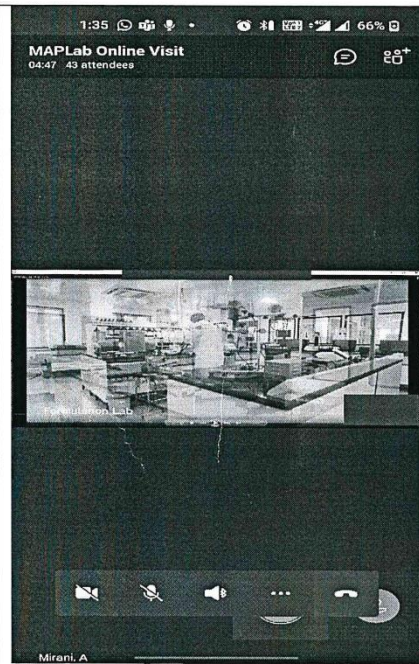
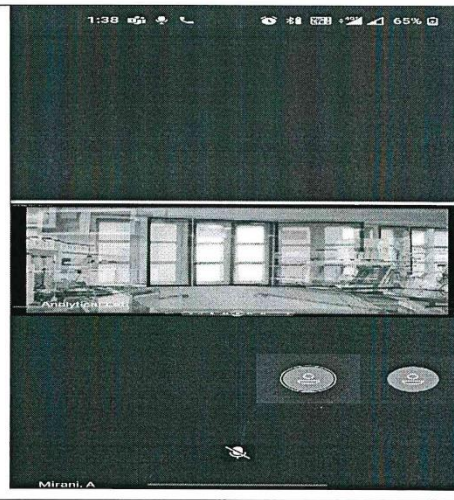
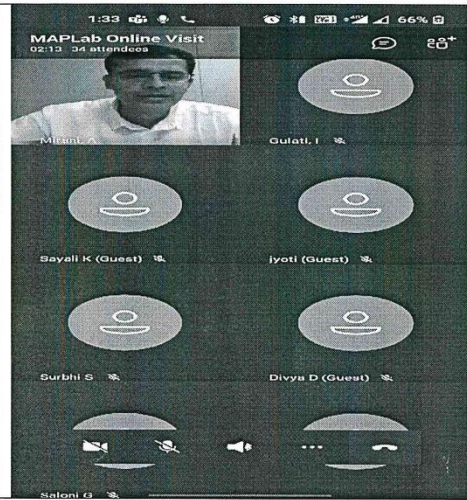
Conclusion:

The online industrial visit (MAPLab), Chembur, Mumbai, was an excellent experience. Even though it was online, videos about working and use of 3D printer was taught. Even a full fledged virtual tour was also given, to provide insight.

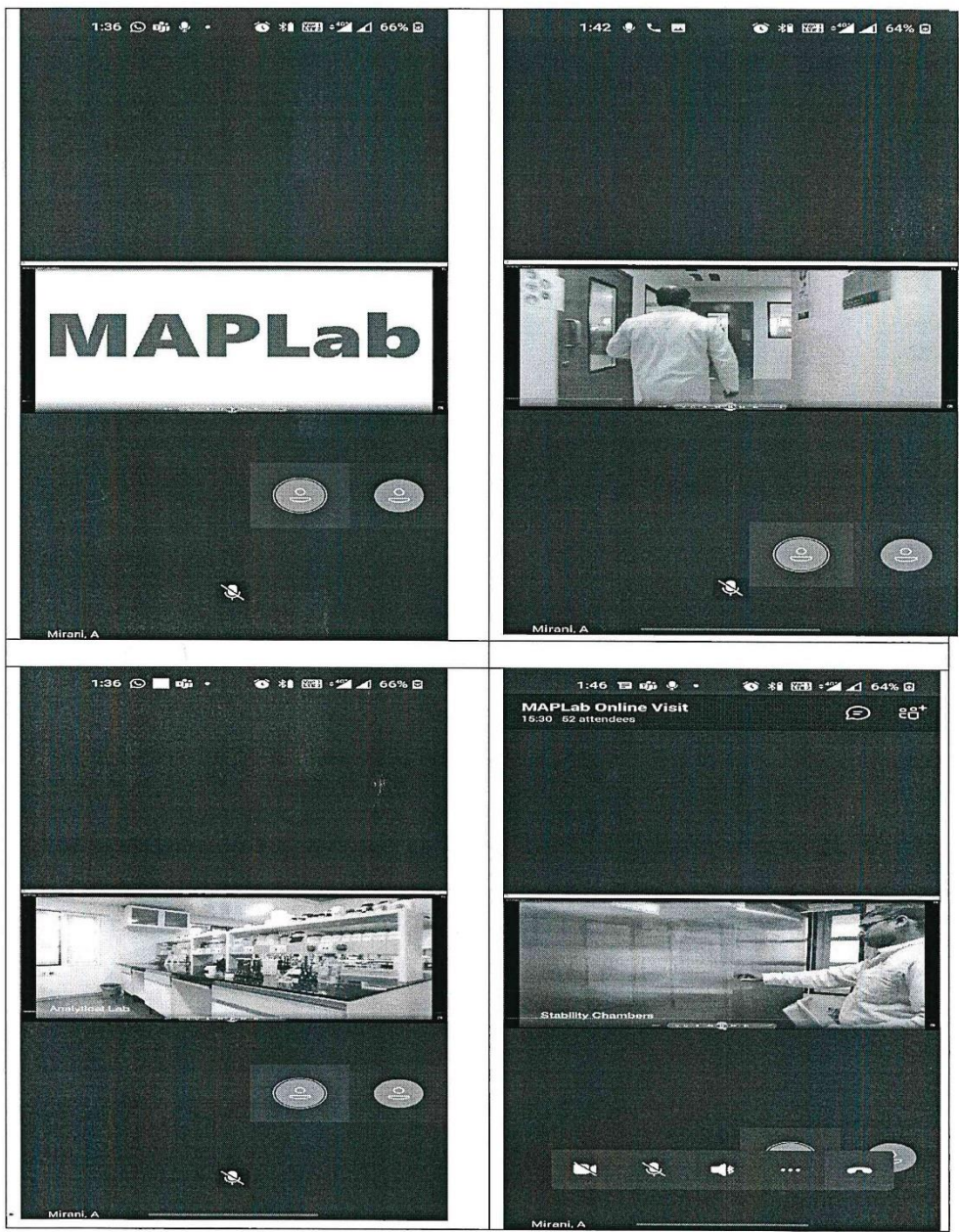
I not only learnt about the practical applications of 3D printing in pharmaceutical but also understood the importance of following appropriate laboratory protocol as is required by a formulation and analytical scientist. This opportunity gave me an insight of the industry. It has overall nurtured in me a spark to develop a professional outlook towards the work and profession.

V. B. Latae
Mes Vidhi B. Latae

P & G MAP LAB Online Visit Screen Shots on 12-2-2021



4



*

MAP LAB VISIT REPORT

P&G

FINAL YEAR B.PHARM C.B.C.S*
(Choice Based Credit System)

- Mukesh Choudhary
- Kishan Choudhary
- Mihir Ghonge
- Prajwal Raut
- Pooja Rathod
- Aakash Vishwakarma
- Jui Pendse
- Krushi Popli
- Atharva Bhatkande



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Acknowledgements

We take this privilege and pleasure to thank the contributions of many individuals who have been inspirational and supportive throughout our MAP lab visit endowed us with most precious knowledge to see success in our endeavor.

I offer flower of deep gratitude to the Almighty God, who has been the source of strength throughout our lives.

We express our deep gratitude towards our Principal Madam Dr. Supriya S Shidhaye, Vivekanand Educations Society's College of Pharmacy, for arranging P & G lab visit , to help us understand how industry works , for her constant inspiration, competent guidance, keen interest and encouragement.

We are also very thankful Mr. Inder Gulati , Head MAP Lab, P & G Health, Procter & Gamble and Mr. Tarun Goel, Analytical R & D Lead, Procter & Gamble.

We would also take an opportunity to thank our Final year class coordinator Mr Keyur Shastri, Assistant Professor, Vivekanand Educations Society's College of Pharmacy for providing us such an opportunity at our U.G level.



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Index

Sr no.	Content	Pgnos
1	<ul style="list-style-type: none"> • About P & G • MAP Lab Facility 	4 5
2	Analytical Lab <ul style="list-style-type: none"> • pH meter calibration • Dissloution • HPLC 	6-13
3	Formulation Laboratory <ul style="list-style-type: none"> • Granulation Chamber • Compression Chamber • Coating Chamber • Formulation Area 	14-20
4	Packaging Unit	21-23
5	Stability Chamber	24
6	Storage Area	25-26

4





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MAP LAB VISIT REPORT (GROUP 1)

- SALONEE TAWDE
- KINJAL GAWDE
- KARTIK SONAWANE
- SUYOG TANGADE
- VIVEK KEDAR
- ABHIJEET TELI
- RAHUL JETHANI
- SANGITA WAKDE



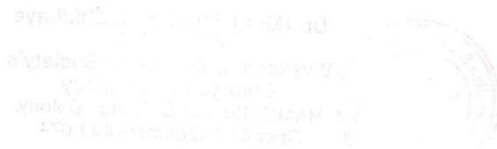

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Acknowledgement

We would like to express our gratitude to **P&G MAP LAB** for this invaluable opportunity.

We are thankful to **Mr. InderGulati**(Formulation R&D Lead), **Mr. TarunGoel**(Analytical Head) for training us and allowing us to gain maximum knowledge during our visit to this valued laboratory.

We would also like to thank the Principal, **Dr. (Mrs.) SupriyaShidhaye** for giving us the opportunity and also thanks to our Final year class coordinator **Ms.Shreya Ajithkumar**.



MAP LAB VISIT REPORT (P&G)

(2019-2020)

Group Members:

Vanashree Chaudhari,
Dhawal Sonar,
Deepak Mahind,
Kirti Sawant

L. Y. B.Pharm.,
Vivekanand Education Society's College of Pharmacy, Chembur

ACKNOWLEDGEMENT

I would like to express my gratitude to **P&G** for this invaluable opportunity.

I am thankful to **Mr. Inder Gulati**(Formulation R&D Lead), **Mr. TarunGoel**(Analytical Head), and **Mr. Bikram Bhowmik** (Packaging Head) for training me and allowing me to gain maximum knowledge during my opportunity to be a part of this valued laboratory.

I would also like to thank the Principal, **Dr. (Mrs.) Supriya Shidhaye** and my class co-ordinator **Mr. Keyur Shastri** for giving me this opportunity.

VES COLLEGE OF PHARMACY

Hashu Advani Memorial Complex, Behind Collector Colony, Chembur (E), Mumbai - 400 074

Industrial Visit Report A.Y 2020-21

PROGRAM COMMITTEE

Details of activity:

Name of the Activity	Visit to MAP lab		
Day, Date	Wednesday 07/04/2021	Department/Committee/Faculty	-
Venue	Online : Microsoft Teams	Time	11:00am-12:00 pm
Nature of activity	Field work	Total no. of participants	33

Activity Information:

Objectives	1. Visit to a pharmaceutical R&D center 2. to understand the processes, engineering functioning of a pharmaceutical company and R&D center
Outcomes	The activity correlated to course Pharmaceutics Students were be able to <ol style="list-style-type: none"> 1. Understand the functioning of a pharmaceutical research centre 2. Familiarize and visualize with the machines (particularly 3D printing) and process and witness the scale of working at industrial level 3. Visualize the application of theoretical knowledge and helped in experiential learning about pharmaceuticals 4. Students were motivated to take up research and innovation as career

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

<input type="checkbox"/>	Notice and communication	<input type="checkbox"/>	Feedback form
<input type="checkbox"/>	Student list of participation	<input type="checkbox"/>	Feedback analysis
<input type="checkbox"/>	Photos	<input type="checkbox"/>	Media news details
<input type="checkbox"/>	Certificate	<input type="checkbox"/>	Any other

<i>Harsha</i> Dr. Aparna Palshetkar <i>Aparna</i>	Mrs. Harsha Kathpalia	<i>BSJ</i> Dr. Rajashree Hirlekar
Name & Signature of Coordinator	Name & Signature of Head/Committee In charge	Name & Signature of IQAC Coordinator

[Signature]
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INDUSTRY VISIT TO MAP LAB (online)

Date of conduction: 7th April, 2021

Time of conduction: 11:00am -12:00pm

Mode of conduction: Microsoft Teams Application

Location of Lab: Merck lab, 7th floor of VES College of Pharmacy, Chembur.

Speaker: Mr. Inder Gulati.

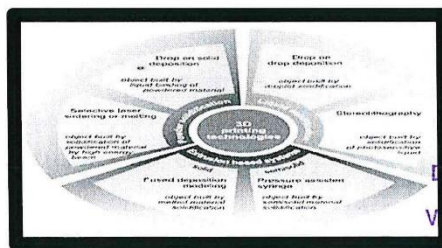
Organizer: Dr.Aparna Palshetkar, Ms.Harsha Khatpalia, Dr.Rajashree Hirlekar, Dr.Supriya Siddhaye

The Map lab facility includes sitting area, Analytical area, pH meters and diffusion testers for transdermal formulations, 6 HPLC instruments, five chambers maintained at different conditions to evaluate the products at specified intervals, formulation area, an area for 3D printing, Store area, Conference room, etc.

Lecture on 3D Printing covered the types of 3D Printing, customization of tablet design and demonstration on working of 3D printing machine.

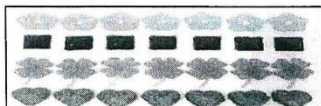
1) Types of 3D printing:

- A. Powder Solidification : Drop-On-Solid Deposition & Selective Laser Sintering/Melting
- B. Liquid Solidification : Drop-On-Drop Deposition & Stereolithographic (SLA)
- C. Extrusion Based System : Solid : Fuse Deposition Modelling (FDM) & Semi-solid: Pressure Assisted Syringe

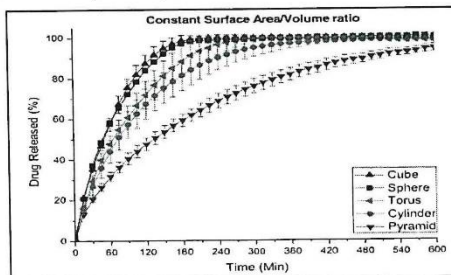


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2) Customization of Tablet Design:



Customization of dissolution profile: In the study, the authors has designed five tablets, each with a distinctly different shape — a cube, pyramid, cylinder, sphere, and torus using auto CAD software. They found that when the surface area of the printed tablets was kept constant, the drug release rates were the fastest in the pyramid-shaped tablet, followed by the torus, cube, sphere, and finally the cylinder.



Demonstration: Working of 3D Printing machine:

Steps:

- 1) Create 3D model of the requested object with a Computer Aided Design (CAD) program.
- 2) CAD file is exported to a printer recognizable file format, usually Standard Tessellation Language (STL) file.
- 3) This machine builds the part by layering material in every imaginable orientation.
- 4) Layers are always contoured two-dimensional in an x-y-plane, whereas the third dimension is caused by the stacking of layers on top of each other in z-direction.
- 5) Smaller the layer-thickness is, better is the quality of the final product. Big steps in z-direction lead to shift model or so called "stair-step effect".

Conclusion:

The online industrial visit (MAPLab), Chembur, Mumbai, was an excellent experience. Even though it was online, videos about working and use of 3D printer was taught. Even a full fledged virtual tour was also given, to provide insight.

I not only learnt about the practical applications of 3D printing in pharmaceutical but also understood the importance of following appropriate laboratory protocol as is required by a formulation and analytical scientist. This opportunity gave me an insight of the industry.

It has overall nurtured in me a spark to develop a professional outlook towards the work and profession.

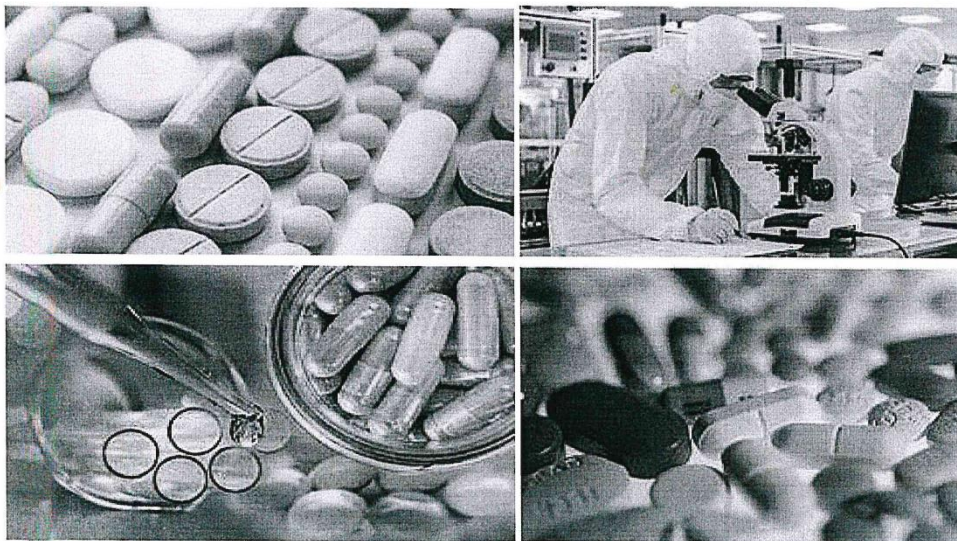
Class Coordinator
Mrs Vidhi Bhatia


Industrial Visit Report (2022)

Ankita Rai

L. Y. B. Pharm

*Vivekanand Education Society's College of Pharmacy,
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PREFACE

I, Ms. Ankita Rai of L.Y B.Pharm (Div-A), seat number 83222, has attended online industrial training at Piramal Pharma solutions located at Mahad.

I would like to thank Sachin Shelke (Chief Manager HR), Rajesh Kalepatil (Head QA), Shantiram Ray (General Manager – Production), Rajesh Kalepatil (Head QA), Subhash Naik (Head Site Supply Chain), the Principal, Dr. (Mrs.) Supriya Shidhaye and my class co-coordinators Mr. Keyur Shastri and Mr. Ojaskumar Agrawal for this valuable opportunity.



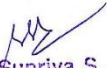
Ms. Ankita Rai

Mr. Keyur Shastri

Mr. Ojaskumar Agrawal

(L.Y. B.Pharm Class-Coordinators)




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Introduction to Piramal Pharma Solutions

Piramal Pharma Solutions is the Contract Development and Manufacturing arm of Piramal Pharma Ltd., with operations across North America, Europe and Asia. They are a global leader in integrated solutions and offer a unique platform of services across the drug lifecycle – from drug discovery and development to commercial manufacturing of drug substances and drug products. Their capability as an integrated service provider & experience with various technologies enable us to serve innovators and generic companies worldwide.

With accreditations from regulatory bodies in US, Europe & Japan, their development centers and manufacturing sites across the globe have a pool of over 700 scientists committed to research & development programs.

At Piramal Pharma Solutions, their focus is on serving as a 'Customer Centric' organization. They accomplish this by keeping the "Pulse of the Customer" at the heart of their mission. They are constantly evolving internal processes, communication and program management in order to continue to provide the best service to our clients.

They have been recognized by several global industry forums and have received awards for their quality, reliability, regulatory compliance and adherence to EHS guidelines.

At Piramal Group, their core values of Knowledge, Action, Care and Impact have been an integral part of their guiding philosophy. These values represent their deeply held beliefs and define them at the individual as well as organizational levels.

They encourage a deep understanding of these core values and believe in institutionalizing them across our entire organization so as to build a distinctive Piramal culture.

Link for Virtual Tour: <https://wlk.im/ZPwLiz>



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Their Facilities:

Services & Manufacturing capabilities

- Design, Development and Manufacture of customized premixes for Pharmaceutical, Nutraceutical, Food & Beverage applications.
- Bulk packing from 500 gm to 25 kg of solids & upto 200 ltr drums for liquids
- Sachet packing of powders from 1 gm upto 8 gm
- Design, Development and Manufacture of Animal nutrition premixes.
- Bulk packing in containers of 500 gm to 25 kg & upto 1000 ltr containers for liquids
- Manufacturing of Straight Vitamins A, D & E (Encapsulated, Cold water soluble, Oily, Water miscible)
- Pharmaceutical OSD formulations
- Plain & Sugar Coated tablets
- Strip Packs, Blister Packs & Bottle packs
- Oral Liquids formulations
- Clear liquids, Suspensions
- Packing of 10 ml to 400 ml bottles
- Spray drying of Straight Vitamin powders

Salient features of manufacturing facility

- Class 1,00,000 product handling core areas
- Dispensing & Sampling booths with RLAFF and Class 1,00,000 area
- Warehouse with
- Independent storage areas in each manufacturing block
- Separate areas for Under test & Approved materials
- Separate cold storage areas at <25°C / 8°C to 15°C / 2°C to 8°C
- Areas, equipment and products are qualified and validated as per validation master plan developed in line with cGMP requirements

State of the Art Quality Control Laboratory with

- HPLCs, AAS, GC, UV-Spectrophotometer etc.
- Fully equipped Microbiological testing facilities



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Pharmaceutical and Nutraceutical

Vitamins are organic substances required in small quantities for normal health and growth of an individual. Piramal, provides an extensive portfolio of fat-soluble vitamins and premixes for nutraceutical applications. Premixes are formulated by using the right forms of vitamins and minerals based on physicochemical characteristics of the nutrient form, its interactions, and economic implications on the end product.

Dry-Encapsulated

Vitamins are stabilized using permitted antioxidants in the oil matrix. It is well protected under gelatin encapsulation to retain its nutritive values and used in dry preparations, multi-vitamin tablets, chewable tablets, hard gelatin capsules, dry dosage formulations, and dry powder premixes.

Dry-Cold Water Soluble

Vitamins are emulsified effectively to get homogeneity in water-based products. It is well-protected from degrading environmental conditions using a modified starch matrix. It is used in multivitamins syrups, suspensions, gels, powder, tablets, and capsules


Oily-Liquid

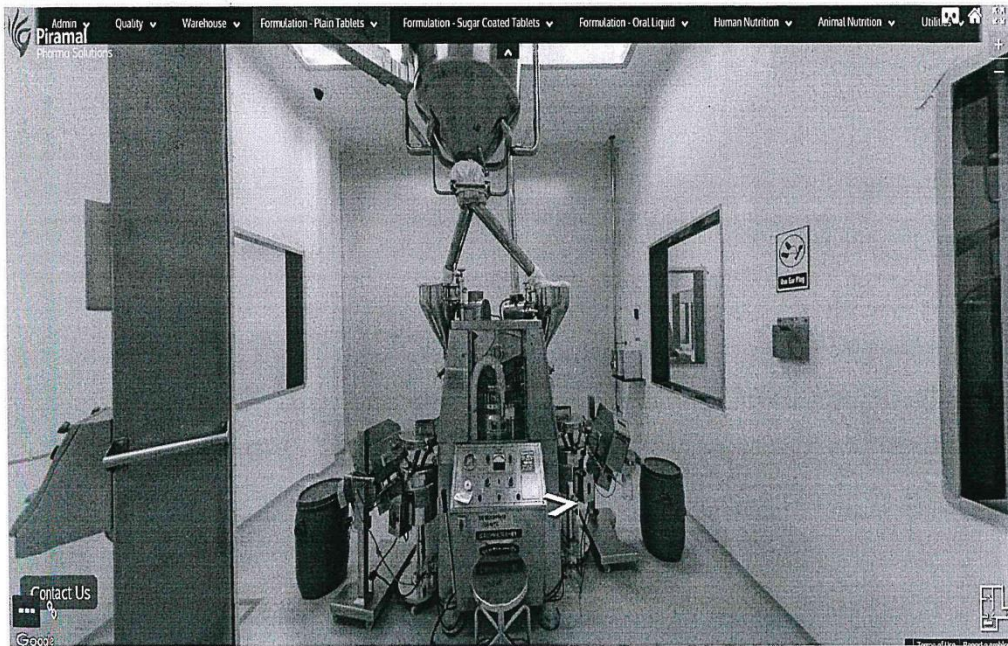
Vitamins are stabilized using permitted anti-oxidant and diluted suitably as per the requirement in vegetable oil. It is used in soft gelatin capsules, emulsions, syrups, drops and solutions

- Tablets
- Capsules
- Multivitamin syrups

PRODUCT NAME	CATEGORY
WATER MISCIBLE PREMIX /BLENDS	MICRONUTRIENT PREMIXES/BLENDS
Other Blends (Powder) Customized Blends of Functional Health Ingredients along with Vitamins & Minerals	MICRONUTRIENT PREMIXES/BLENDS
Vitamin Blends (Oily) Customized Vitamins Blends	MICRONUTRIENT PREMIXES/BLENDS




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Animal Nutrition

The global feed market is expected to increase at a CAGR of 4.7% by 2026. The primary factor driving the animal feed industry is the rise in the consumption of animal meat and meat products of several livestock animals.

With customized animal feed premixes, they contribute to the health and wellness of the livestock by providing them with a broad range of functional ingredients like vitamins and minerals. This will effectively enhance the quality of end products like milk, eggs and meat.

With the demand for animal protein increasing globally, they see the highest increase in demand for poultry eggs and meat. Hence, the poultry sector needs to evolve and provide sustainable solutions to meet challenging market trends. They specialize in providing high quality, customized poultry feed premixes.

Their purpose is to collaborate with the customers and provide them with transformative, best-in-class and cost-effective animal nutrition solutions aimed at improving the efficiency, wellbeing and performance of various species.

Customized Vitamin Mineral Premix-Powder Form

i) Broiler Vitamin Premix:

- Essential for Normal Growth & production
- Absence of Vitamins mean birds develops deficiency diseases which hamper production

ii) Layer Vitamin Premix:

- To prevent deficiency of Vitamins
- Ensure Maximum egg production

iii) Breeder Vitamin Premix:

- To ensure good chick quality
- Good health & production

iv) Mineral Premix for Broiler, Layer & Breeder:

- Enhance disease resistance in Chicken



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- Improves digestion, appetite and feed intake.

Customized Oily & Water Miscible Vitamin Products

Vitamin A Palmitate 1.6mlu/g:

- Used for Vitamin Liquid Preparation

Liquid Vitamin ADEC WM

- Improves Immunity
- Reduces stress

Liquid Vitamin A WM:

- Spot high dose of Vitamin A
- Improves Immunity and reduces stress

Vitamin E + Selenium

- Improves immunity and reduces stress.

PRODUCT NAME

CATEGORY

Nicomix-Vitamin Premix

PREMIXES for BROILER,LAYER & BREEDER

Nicomix-Trace Mineral Premix

PREMIXES for BROILER,LAYER & BREEDER

Nico-MOS

Non-Vitamin Products

Salmostat

Non-Vitamin Products

MicroNIL-S

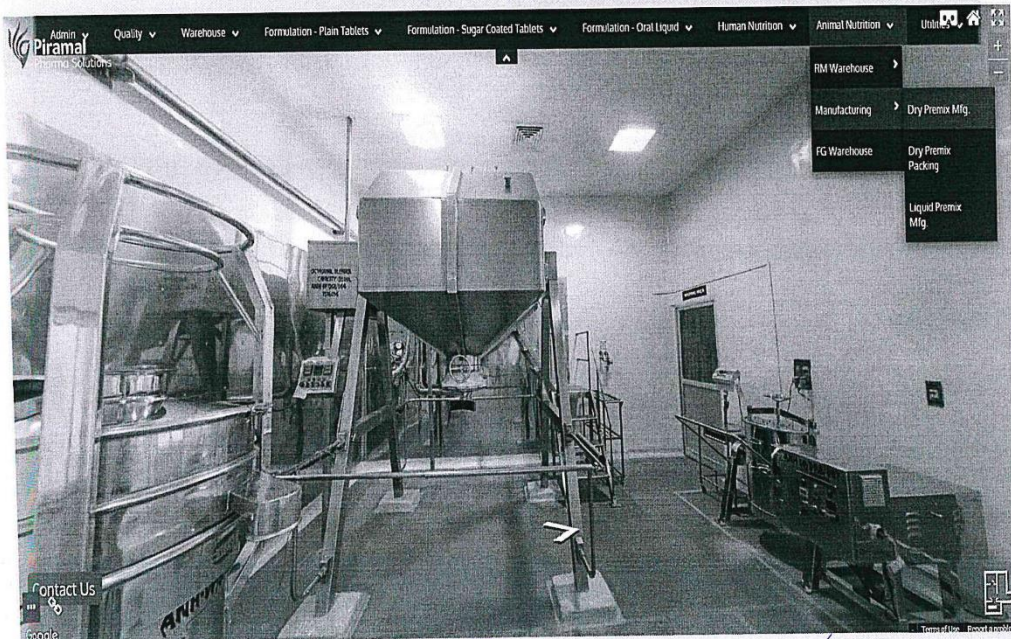
Non-Vitamin Products


Sanidrink

Non-Vitamin Products



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Food & Beverages

Food fortification solutions aim at enhancing the nutritional value and quality of the end products, thus playing a vital role in minimizing the dietary deficiencies. They are committed to providing innovative, customized vitamin-mineral premixes for food and beverage applications that can nourish and improve the performance of end products.

Staple Foods

Fats & Oils

Oil is a popular household cooking ingredient. It is an excellent source to carry fat-soluble vitamins, e.g. A, D, E, and K; hence, a preferred vehicle for fortification to fight micronutrient deficiencies. They offer customized and cost-effective solutions for fortifying all kinds of edible oils.

Dairy Products

Dairy products are a wholesome source of proteins, fat-soluble vitamins, and calcium. However, processing them at high temperatures results in the loss of essential nutrients.

Hence, to restore these lost nutrients, They offer customized premixes, generally a combination of Vitamin A and D for milk and other dairy-based products like cheese, yogurt, butter, etc.

Rice Fortification

Rice, wheat and maize form the world's three leading food crops. Of these, rice is the dominant staple food crop of more than half of the world's population. Hence, these staples act as an excellent medium for fortification and aid the vulnerable populations to fight the micronutrient deficiencies.

Flour Fortification

They provide tailor-made vitamin-mineral premixes that can nourish and enrich the quality of these staples. Addition of these blends helps in minimizing malnutrition. Generally, a combination of vitamin A, B complex, D, E, iron, calcium and zinc can be designed for fortification.



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Infant Nutrition

Adequate nutrition is essential for growth and development during a child's formative years which sets the foundation for lifelong health and wellbeing. During infancy, nutrient requirements per pound of body weight are comparatively higher than at any other time in the life cycle.

Hence, They are focused on providing premium, high-quality solutions to ensure we meet the nutrition requirements of the initial critical years of infant development.

Bakery Foods

Bakery foods like bread, biscuits, and cookies have always been a part of basic food products for human nutrition, Owing to the hectic lifestyle, They see a rise in consumption of these products.

They offer a technical solution of micronutrient premixes specially tailored for breads, pasta, noodles, biscuits, cereals, and nutritional bars without disturbing its organoleptic attributes giving adequate nutrient value. Their premixes aim to nourish and enrich the bakery products.

Beverages

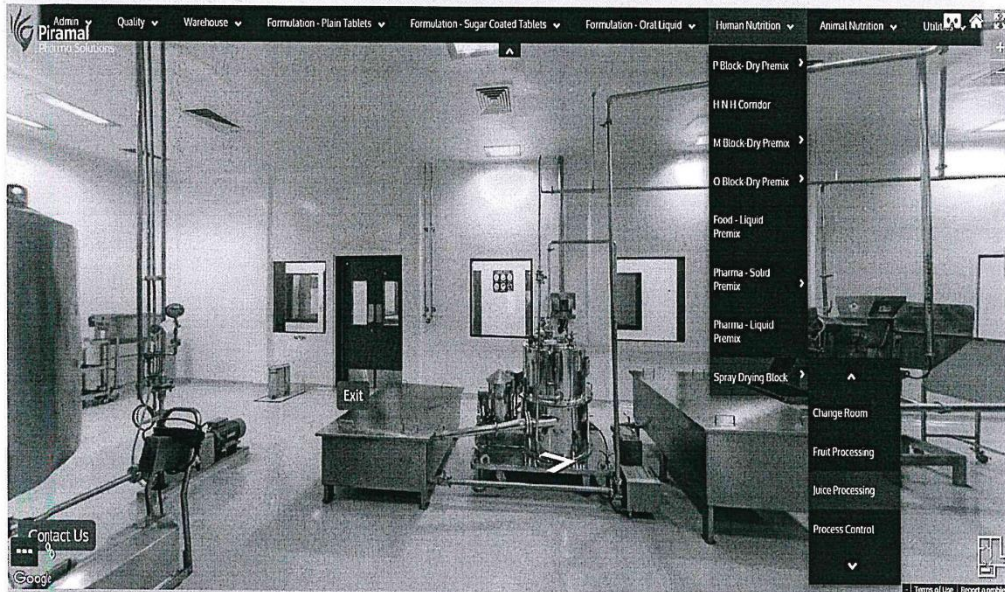
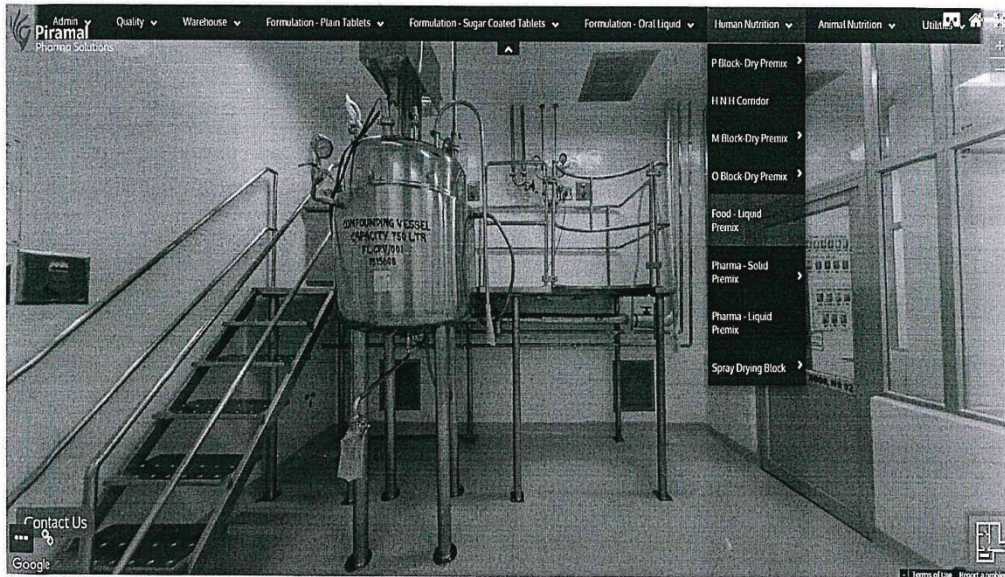
Consumption of healthy beverages is on a rise owing to the convenience and nutritional content associated with them.


Their premix beverage portfolio consists of and not limited to the following categories:

- Milk and malt-based beverages
- Water and energy drinks
- Juices



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Manufacturing

Piramal offers contract manufacturing for API, HPAPI and a wide variety of dosage forms. Their global manufacturing sites located across North America, Europe and India offer the highest standards of quality and service to the customers.

API MANUFACTURING

With a successful performance record of over 40 years, They manufacture and supply Active Pharmaceutical Ingredients (APIs) through our sites in North America, Europe, and Asia markets. Our API facilities are inspected and approved by global regulatory bodies, including the US FDA, Japan PMDA, and UK MHRA, and meet the cGMP compliance standards.

They are the preferred partner for big pharma and biotech companies across North America and Europe with the total reactor volume exceeding 500 KL (including pilot and multi-purpose plants). They have a record of accomplishment of over 30 Launches and are capable of executing extensive small molecule API requirements.

Specialized capabilities


- Flexible Containment facility
- cGMP multi-purpose pilot plants
- Total reactor capacity of >500 KL
- Multi-stage synthesis with continuous cost improvement
- Micronization, filtration/drying, and continuous liner pack off capability
- Capability to handle a range of reactions including:
 - High temperature decarboxylation
 - Enzymatic
 - Cryogenic
 - Hydrogenation
 - Cyanation
 - Friedel-Crafts chemistry

Services Offered

They are involved in the manufacturing and supply of:

- High Potent APIs (HPAPIs)
- Key Starting Materials (KSMs)
- Registered Starting Materials (RSMs)
- Key GMP Intermediates
- Commercial-scale APIs




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HPAPI

A global leader with over five decades of experience, Their FDA approved cGMP state-of-the-art facility of Piramal Pharma Solutions located in Riverview, MI (USA) offers High Potency API (HPAPI) services, and a full range of scale and containment options.

Specialized Capabilities

- Up to 4,000 L Glass Lined Reaction Vessels with a Temperature Range of -70°C to 200°C
- Product Isolation Capabilities: Extraction, Filtration, Centrifugation, and Distillation
- Drying/finishing facility: Scaled Rosenmund Filter Dryers with Glovebox Technology, Forced Air & Vacuum Drying Ovens, and Class 10,000 Clean Suites
- Track record of successful launches, robust engineering controls and a stellar safety record make us a preferred 'Partner of Choice' for high potency projects
- High potent API manufacturing suites with airlocks and barrier isolation systems (OELs \geq 20ng/m³ at Kilo-lab scale)

Services Offered

- Development and manufacture of commercial High Potent API compounds
- Process Research, Development, Optimization and Scale-Up
- cGMP Manufacturing for Clinical Trials
- Comprehensive analytical and regulatory services to support early-stage development
- Impurity Identification, Characterization, and Synthesis
- Solid-State Characterization (XRPD, DSC, TGA and PSD)
- Quality by Design (QbD) Services Consistent with ICH Guidelines
- Process Safety Team – Project and Scale-up Safety Assessments
- Safety/Hazard identification and risk assessments
- Hazard Assessment Laboratory Instrumentation: RC-1, DSC, TSU, ARC
- Documentation for Regulatory Submissions (IND, NDA, DMF, CTD)

Salient features

- 15 US FDA Manufacturing Approvals (NCEs)
- Significant experience in fast track approvals and orphan diseases
- Successful global regulatory inspection history: US FDA, EU (QPs), Health Canada, PMDA Japan, MFDS Korea, TGA Australia, COFEPRIS Mexico, and Russia among others
- A longstanding provider of contract research services to the National Institutes of Health (NIH) and the National Cancer Institute (NCI)



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FINISHED DOSAGE MANUFACTURING

They manufacture, supply and distribute commercial formulations for oral solids from our Sellersville, Morpeth and Pithampur facilities. Apart from OSDs we also provide liquids, creams and ointments from our Sellersville facility and sterile injectables from our Lexington site. They are a trusted manufacturing partner to leading biotech, small and virtual pharmaceutical companies as well as mid-size and big pharmaceutical companies. Their scalability is defined from pilot level to commercial level to serve customers at every stage of the drug lifecycle from a manufacturing perspective. They leverage our global network of manufacturing sites and are successful in supplying commercial formulations to the US, Europe, Japan and Asia Pacific markets.

Oral Solids

Their manufacturing facilities located in Sellersville- US, Morpeth- UK, and Pithampur- India, are US FDA inspected. These sites offer a broad spectrum of oral solids such as conventional tablets, modified release formulations, press coated tablets and hard gelatin capsules. They specialize in hormonal and potent oral solid formulations manufactured in a dedicated and segregated suite.

- Dose Forms Handled
- Tablets (Film-coated/IR/ER/MR)
- Hard gelatin capsules (powders, granules, and pellets)
- Special solid dosage forms
- Press coated tablets (tablet in tablet)
- Bi-layer tablets
- Controlled release solids (Matrix)

Process knowledge and expertise in solid dose operations

- Wet and dry granulation
- Roller compaction
- Fluid bed processing and drying
- Compression and encapsulation
- Film coating
- Press coating technology
- Containment suite for Hormonal Products (Oral Contraceptive Pills)
- High speed blister packaging and bottle packaging capability
- Dedicated low RH block, can handle upto 20% RH

Hormonal Products

- Dedicated and segregated hormonal manufacturing suite with packaging capabilities
- More than 40 years of handling hormonal products
- Experienced in hormonal product development and the technical transfer
- Experienced in handling a broad range of hormonal APIs



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LIFECYCLE MANAGEMENT

With Their strong development and regulatory capabilities, and backed by 80 certifications across manufacturing sites, we actively assist customers with Life Cycle management of their products.

They assist our customers with the following:

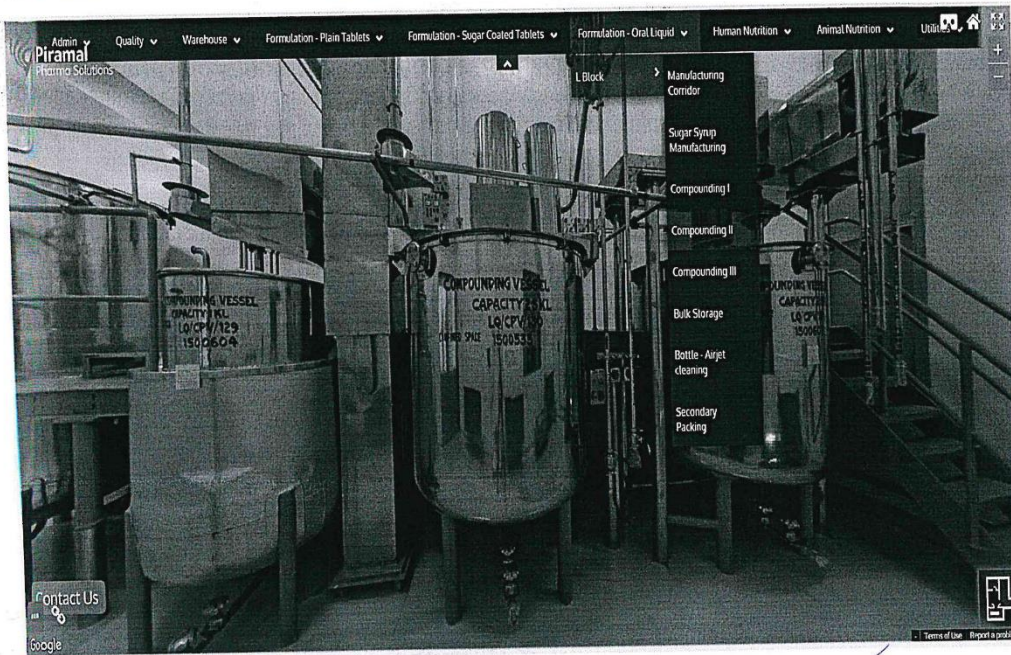
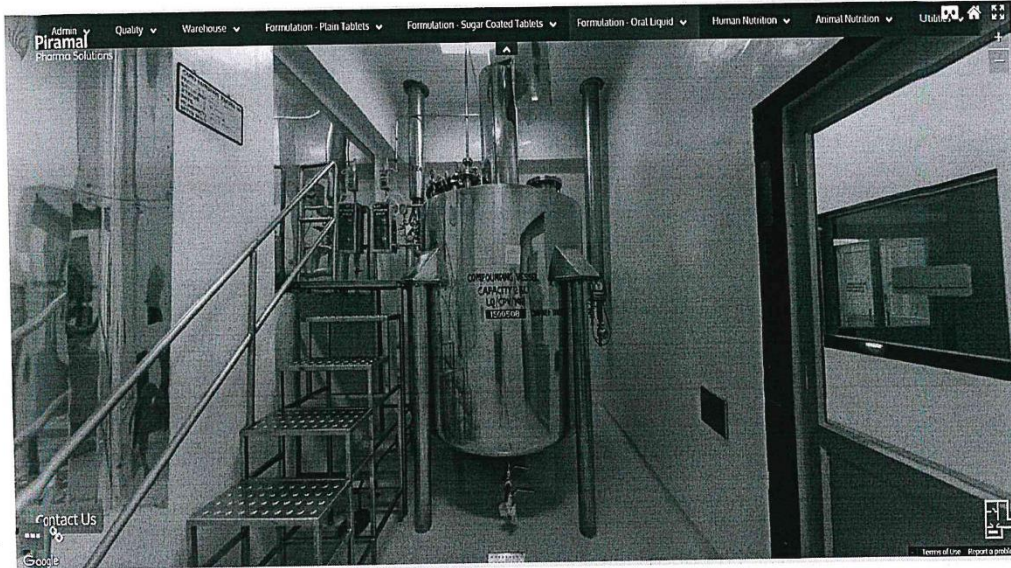
- Improve / Manage the margins of life cycle products.
- Extent patent life by developing extensions of the current dosage forms :
- Pediatric Dosages
- Modified Release
- Simpler dosage form: Liquid from a Lyophilised form
- Improve supply chain modalities
- Improve operational efficiency
- Site Transfers
- API Source change/Additions
- Regulatory Support


Featured Services

- Pharmaceutical Development Services
- New Dosage form development for existing dosages
- Modified release profiles for existing IR solid dosage form
- Site transfers: Support on change of manufacturing sites in APIs/formulations which needs high levels of project management services, process improvement acumen and intense focus on operational efficiencies
- API Source change / Additions: API source additions for smoothers supply chain and cost reduction
- Regulatory support



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ANALYTICAL SUPPORT SERVICES

Analytical suites contain advanced analytical equipment and a team of over 60 analytical scientists (1 analytical scientist for every 5 chemists) which supports the synthetic and medicinal chemists 24/7.

The analytical team collaborates with the chemists and lead method development, preparative purification and characterization, allowing the chemists to target the trouble-shooting time and efficiency, ensuring the delivery is on-time.

Key featured services offered:

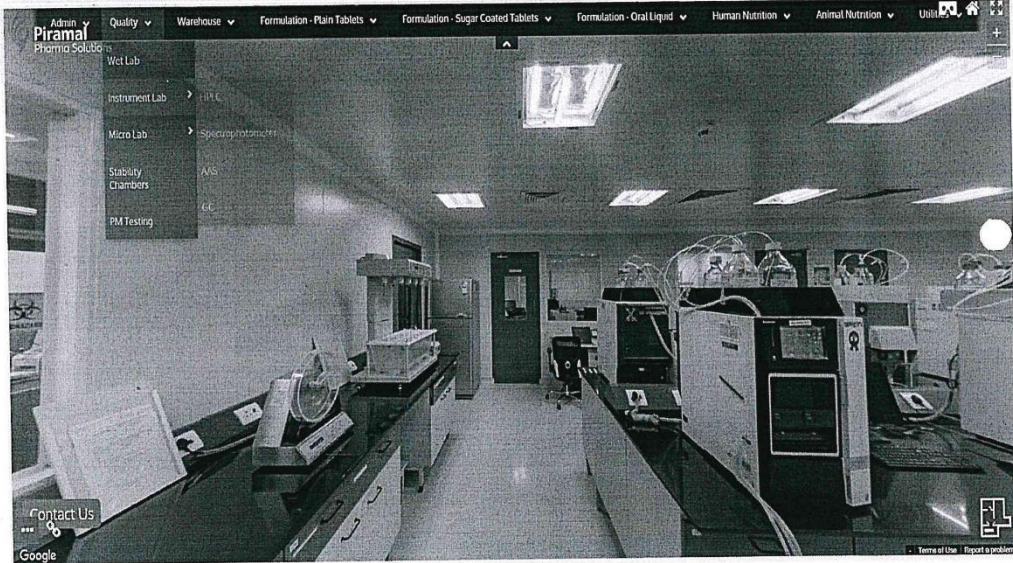
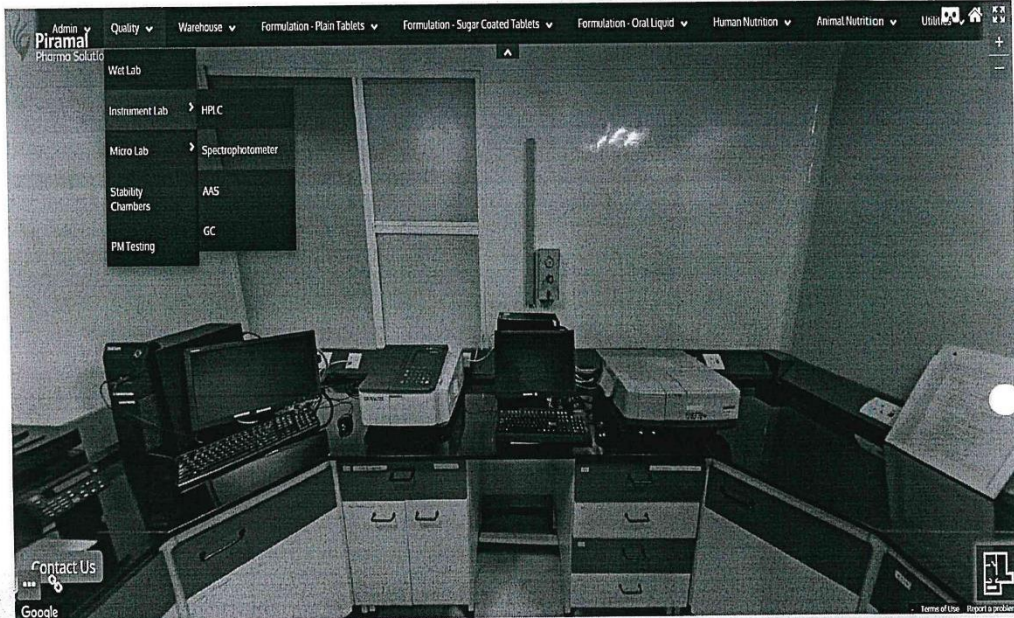
- Chiral purification-gram scale by SuperCritical Fluid Chromatography
- Prep HPLC purification services
- Impurity isolation and characterization
- NMR analysis e.g. H-NMR, C-NMR, 2D experiments, N-NMR, P-NMR, F-NMR
- Qualitative and quantitative analysis by HPLC
- LCMS analysis by using single quadrupole mass detector

Key Equipments:

- Two Multi-probe, Variable Temperature High field NMRs
- 11 Preparative HPLCs
- 9 LCMs
- 8 HPLCs
- Preparatory SFC 200 for isolation/ and purification
- SFC investigator for Chiral method development
- Various detectors, GCs, microwaves and scientific equipment are available to enable high quality purification and analysis.



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Chembur, Mumbai - 400 074

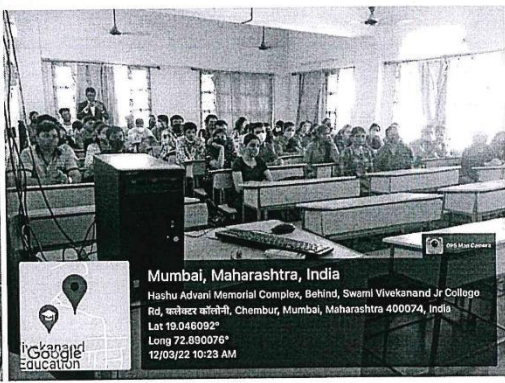


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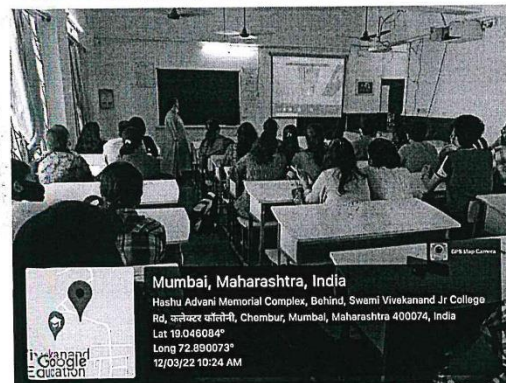
PHOTOS



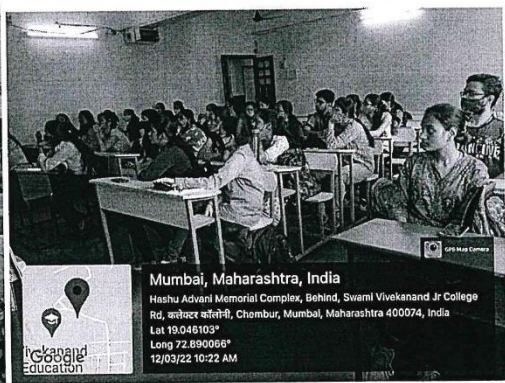
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 Long 72.890114°
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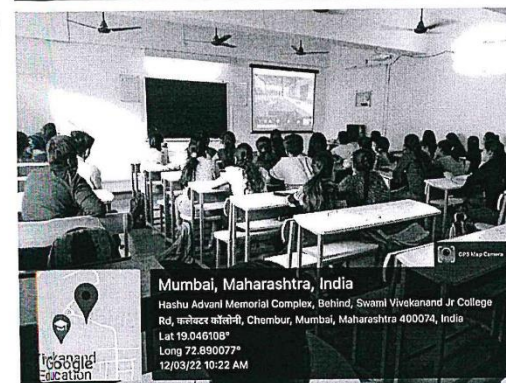
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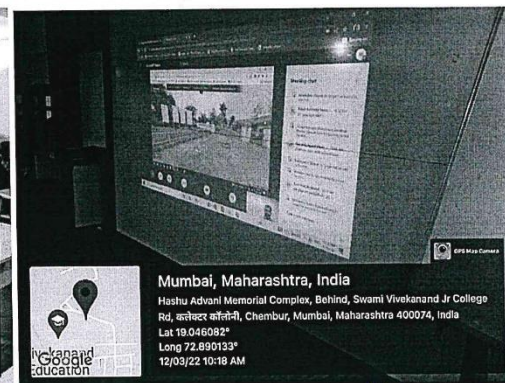
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 Hashu Advani Memorial Complex, Behind, Swami Vivekanand Jr College
 Rd, कलेक्टर कॉलोनी, Chembur, Mumbai, Maharashtra 400074, India
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 Long 72.890066°
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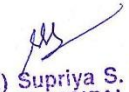


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Conclusion

- The online Industrial Visit at Piramal Pharma solutions was an enriching experience. Even though it was online, a full fledged virtual tour was given, to provide insight.
- I not only learnt the layout of the company but also understood the practical applications of my theoretical knowledge. I also understood the importance of following appropriate laboratory protocol as is required by a formulation and analytical scientist. This opportunity gave me an insight into the Research and Development process as well as Analytical and Formulation departments of a pharmaceutical laboratory.
- It has overall nurtured in me a spark to develop a professional outlook towards the work and profession.




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Acknowledgement

I would like to express my gratitude to Piramal Pharma solutions for this invaluable opportunity.

I am thankful to Sachin Shelke (Chief Manager HR), Rajesh Kalepatil (Head QA), Shantiram Ray (General Manager – Production), Rajesh Kalepatil (Head QA) and Subhash Naik (Head Site Supply Chain) for training me and allowing me to gain maximum knowledge during the online visit.

I would also like to thank the Principal, Dr. (Mrs.) Supriya Shidhaye , Mr. Keyur Shastri, Mr. Ojaskumar Agrawal, Dr. Reshma Pore and Dr. Aparna Paltshetkar for giving us this wonderful opportunity. I would also like to thank the Non teaching staff for their cooperation.

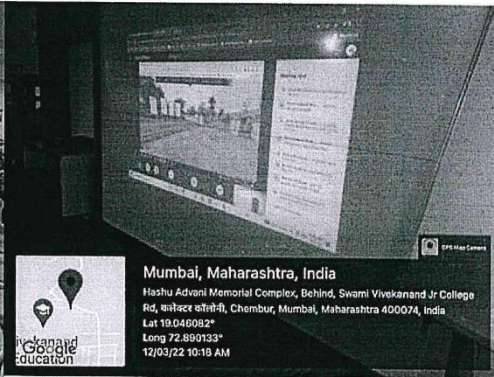



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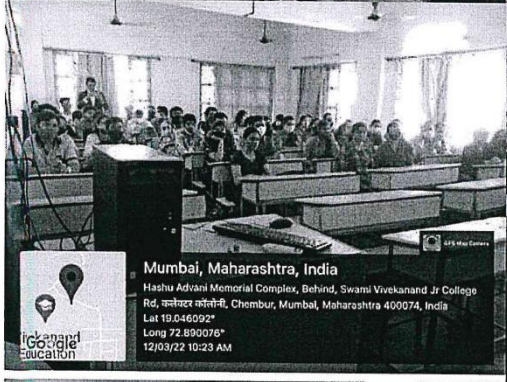
**Virtual Industrial Visit Piramal Pharma Solutions on 12.3.2022 Academic Year 2021-22
PHOTOS**



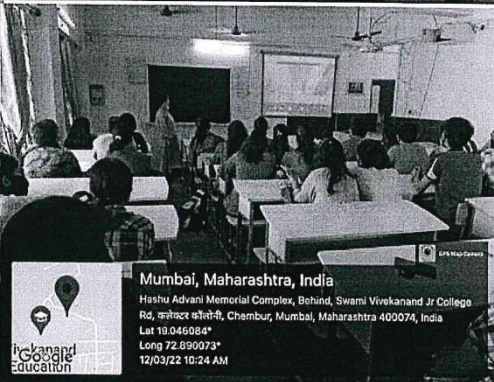
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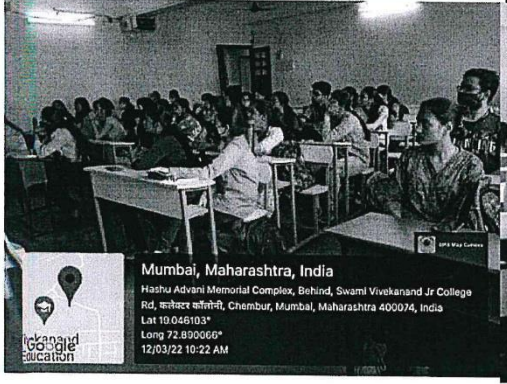
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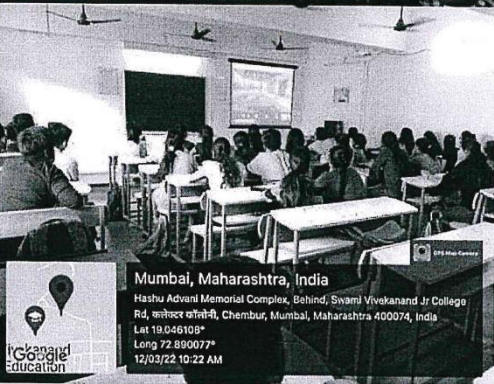
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12.3.2022 IMPACT ANALYSIS FOR VIRTUAL INDUSTRIAL VISIT FINAL YEAR B PHARM ACADEMIC YEAR 2021-22 (Responses)

Timestamp	Email Address	Name of student	Roll No	Academic Year	Observe the various wor	Understand the different	Comprehend the type an	Relate the theory learned	Be aware about professi	Learn about professional
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		Sakshi Kataria	83522	2021 22	3	3	3	3	3	3

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