



Vivekanand Education Society's College of Pharmacy
Hashu Advani Complex, Near Collector's Colony, Chembur (E) Mumbai 400074

Field Work



Vivekanand Education Society's College of Pharmacy

Hashu Advani Complex, Near Collector's Colony, Chembur (E) Mumbai 400074

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A

Report of

**The Bhabha Atomic Research Centre
(BARC) Visit**

On

Tuesday, 14th February 2017

Mr. Ojaskumar D. Agrawal
S.Y.B.Pharm Class Coordinator

Vivekanand Education Society's College of Pharmacy
Hashu Advani Memorial Complex, Behind Collector Colony Chembur (E),
Mumbai - 400 074



2016-17

Vivekanand Education Society's College of Pharmacy

(Sindhi Linguistic Minority, Approved by AICTE, DTE, Pharmacy Council of India & Govt. of Maharashtra, Affiliated to University of Mumbai)

Prof. Supriya Shidhaye
M.Pharm., Ph.D. (Tech)
Principal

Ref: VESCOP/OL/ 175 of 2017

Date: 17th Feb 2017

To,
Head,
Media Relation and Public Awareness Section,
Bhabha Atomic Research Centre (BARC), Mumbai, India.

Dear Sir/ Madam,

We hereby express our sincere gratitude for giving our S Y B Pharm Students opportunity to visit BARC on Tuesday, 14th Feb 2017.

It was indeed a very good learning experience for our students. This visit will certainly assist students in correlating the theoretical aspects with the industrial applications.

We once again thank you and look forward for a long term association with your organization for such activities.

With Warm Regards,

Mr. Ojaskumar D. Agrawal (Assistant Professor)
S.Y.B.Pharm Class Coordinator

Dr. (Mrs.) Supriya S. Shidhaye
Principal



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



2016-17

Ojaskumar Agrawal <ojaskumar.agrawal@ves.ac.in>

Fwd: BARC Visit

mrpas@barc.gov.in <mrpas@barc.gov.in>
To: ojaskumar.agrawal@ves.ac.in

16 January 2017 at 14:45

Dear Sir,

This has reference to your College visit to BARC confirmed for 14th February, 2017.

Attached along with are documents that have to be typed on the College letterhead and duly signed by the Principal. Faculties accompanying the students have to give their names and telephone numbers (faculty members) on a different letterhead with their signatures and approved by Principal.

Please ensure that all students and faculty members carry their valid ID cards without which entry will not be granted for the visit.

Kindly, scan all the documents in JPEG format and be sent along with your mail. Hard-copies need to be couriered on the following address:

Shri R K. Singh
Head, Media Relations & Public Awareness Section
(SIRD),
Bhabha Atomic Research Centre
Central Complex,
Mumbai 400 085.


Please also confirm if working lunch has to be provided to the students and faculty members. Please treat this as very urgent since approvals have to be taken beforehand for this trip.


Thanking you,

Yours sincerely

(Prabha Pednekar)
25592829/25590828

2 attachments

 Rules and Regulations for the visit.docx
14K

 Undertaking for the visit.doc
27K



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

The Bhabha Atomic Research Centre (BARC)

The Bhabha Atomic Research Centre (BARC) located in Trombay, Mumbai, is India's leading nuclear research center. On 14th February, 2017, the students of Second Year B.Pharm, of VES College of Pharmacy, had the opportunity and privilege to visit BARC.

The day started off with a virtual tour of BARC once the students got there, through a short film about the whole place, its history, all the different facilities present and the various departments of the unit. With the short film, students were briefed about the nuclear reactors like Apsara, Cirus and Dhruva, the largest being Dhruva, the food technology unit that involves food processing by irradiation, and finally the robotics unit, including automated material transporters, various manipulators and snake arm robots.

'THE DHRUVA'- RESEARCH REACTOR

The Dhruva reactor is India's largest nuclear reactor located in the Bhabha Atomic Research centre at Trombay, in Mumbai. It is India's primary generator of weapons- grade plutonium- bearing spent fuel for its nuclear weapon program.

Dhruva was designed, developed, constructed and commissioned by Indian scientists and engineers exclusively by making use of indigenous technical knowhow. The Dhruva project costed 95 million rupees. It basically uses heavy water as a coolant and a moderator and by varying its level, one can moderate the power output. Dhruva uses metallic uranium fuel and heavy water as moderator and coolant. The main reactor vessel is made of stainless steel with 146 positions available for the fuel rods, cadmium shut off rods, isotope irradiation facilities and experimental loops. The reactor vessel is housed inside a water filled stainless steel lined concrete vault. The reactor building consists of the service building wherein the fueling machine discharges the fuel, and the spent fuel storage building (SFSB) wherein the fuel is stored and processed into the inventory water. This research reactor is one of the prime highlights of this research centre.

Dhruva reactor is widely used in neutron beam research studies involving material science and nuclear fission processes. Dhruva has been extensively used for basic and applied research in the frontier areas of science and technology, and radioisotope production. Besides utilization of regular

irradiation facilities for these purposes, some of the fuel and other in-core positions have also been used for carrying out certain specific engineering experiments.

FOOD TECHNOLOGY AND FOOD PROCESSING DIVISION

After seeing the Dhruva plant and gaining insight on its working and the various components and processes involved in it, the students then moved on to the food technology division. Preservation of food has become increasingly important, especially in a tropical country like ours, where temperature, cost of production, transportation, spoilage and many other factors play an important role. Thus, the food technology and processing division at BARC aims at increasing the shelf life of food items such as pulses, grains, vegetables and meat products with the help of radiation. Radiation processing of food involves exposure of food to short wave radiation energy to achieve a specific purpose such as extension of shelf-life, insect disinfestation and elimination of food borne pathogens and parasites. In comparison with heat or chemical treatment, irradiation is considered a more effective and efficient technology to destroy foodborne pathogens.

The mandates of food processing followed at BARC are

- 1) Food safety;
- 2) Food security ; and
- 3) International trade.

The sources of ionising radiations used for the irradiation process of food include:

1) Radioisotopes:

- Cobalt-60
- Caesium-137

2) Machine:

- Electron beam
- X - rays

Cobalt-60 is most widely used as it is very easy to control. X - rays are not usually used as they are expensive and not viable.

On the basis of radiation dose, applications of radiation can be classified into:

1) Low Dose Applications:

- Sprout inhibition in bulbs and tubers (0.03 - 0.15 kGy)
- Delay of fruit ripening (0.25 - 0.75 kGy)
- Insect disinfection including quarantine treatment and elimination of food borne parasites (0.25 - 1 kGy)

2) Medium Dose Applications:

- Reduction of spoilage microbes to improve shelf-life of meat, poultry and seafoods under refrigeration (1.5 - 3 kGy)
- Elimination of pathogenic microbes in fresh and frozen meat, poultry and seafoods (3 - 7 kGy)
- Reducing number of microorganisms in spices to improve hygienic quality (10 kGy)

3) High Dose Applications:

- Sterilization of packaged meat, poultry and their products which are shelf-stable without refrigeration (25 - 70 kGy)
- Sterilization of hospital diets (25 - 70 kGy)

Unit of measurement of radiation: gray (Gy) where,
1 Gy = 1 J/kg

PROCESS OF IRRADIATION:

Radiation processing of food is carried out inside an irradiation chamber shielded by 1.5 - 1.8 m thick concrete walls. Food is placed in suitable containers (eg. Aluminium containers) and sent into the irradiation chamber with the help of an automatic conveyor. The conveyor goes through a concrete wall labyrinth, which prevents radiation from reaching the work area and operator room.

When the facility is not in use the radiation source is stored under 20 ft deep water. The water shield does not allow radiation to escape into the irradiation chamber, thus permitting free access to personnel to carry out plant maintenance. For treating food, the source is brought to the irradiation position above the water level after activation of all safety devices. The goods in aluminium carriers or tote boxes are mechanically positioned around the source rack and are turned round their own axis, so that contents are irradiated on both the sides. The absorbed dose is determined by the residence time of the carrier or tote box in irradiation position. Absorbed dose is checked by placing dosimeters at various positions in the carrier.

ADVANTAGES OF IRRADIATION:

- 1) Longer shelf-life for food.
- 2) Cold process.
- 3) No chemical residues left in food.
- 4) Preservation of natural flavour and aroma of food.
- 5) Increase in international food trade.

The irradiation procedure in the Food Technology and Food Processing division of BARC is recognised world over and approved by international organisations like World Health Organisation (WHO), International Atomic Energy Agency (IAEA), Food and Agriculture Organisation (FAO) and World Trade Organisation (WTO).

DEPARTMENT OF REMOTE HANDLING AND ROBOTICS:

A visit to the division of remote handling and robotics was organized too which provided an insight into the various instruments that function in order to carry out the most basic activities with great efficiency and safety in BARC.

Remote handling plays a vital role in all nuclear installations. In such facilities, the operators can handle the material only behind thick shields, using remote handling tools. The tools are expected to carry out varied tasks inside the hot cells. The Master Slave Manipulators (MSM's) are the most dexterous and widely used general purpose handling tool in the nuclear industry.

A typical MSM consists of a Slave arm in the active area of the hot cell and a Master arm, that controls the slave arm, in the operating area of the hot cell. The motions imparted by the operator are replicated by the slave arm in order to carry out the desired tasks.

Various other instruments in this section of the research centre showed a clear picture of the improvised technology used to assure safety while handling the radioactive elements. These include-

1. Automated guiding vehicle which is a raw material transport vehicle.
2. Wireless tele operated Robot involved in the disposal of the explosives.
3. Mobile robot for radiation profiling
4. Parallel manipulator
5. Robot for stacking of pellets.

One of the recent experiments related to the remote handling includes the use of parallel manipulator for brain surgery. These instruments possess innumerable applications in the field of medicine.

The Bhabatron-II and simulator in BARC play a vital role in diagnostic procedures related to the radioactive metals. Also, an HDR source assembly is used as a treatment methodology for brachytherapy.

THE SUPERCOMPUTER

The Anupam Aganya supercomputer series is designed by the Bhabha Atomic Research center for their internal usages involving scientific studies. It can perform 110×10^{12} calculations per second. It is mainly used for molecular dynamical simulations, reactor physics, theoretical physics, computational chemistry, computational fluid dynamics, and finite element analysis.

This Industrial visit to one of the most renowned research Centre in the world and India's premiere nuclear research facility was a great opportunity to learn and explore. For future aspiring pharmacists like us, it indeed was a brilliant experience.

Report prepared by: Ms. Ashmita and Ms. Anushka S Y B.Pharm.

Report checked by: Mr. Ojaskumar D. Agrawal and Mrs. Ashwini Wani





Ojaskumar Agrawal <ojaskumar.agrawal@ves.ac.in>

**Permission to arrange visit by our students and staff : Mr. Ojaskumar D. Agrawal
VES College of Pharmacy, Chembur (E), Mumbai 40074**

Ojaskumar Agrawal <ojaskumar.agrawal@ves.ac.in>

22 December 2016 at 12:12

To: aktyagi@barc.gov.in

Cc: "rakesh.somani@ves.ac.in" <rakesh.somani@ves.ac.in>, Supriya Shidhaye <supriya.shidhaye@ves.ac.in>

Bcc: Keyur Shastri <keyur.shastri@ves.ac.in>

22nd Dec 2016

To,

Dr. A. K. Tyagi

Head: Solid State Chemistry Section, Chemistry Division,

Bhabha Atomic Research Centre (BARC), Mumbai, India

Professor of Chemistry,

Homi Bhabha National Institute (HBNI), Mumbai, India


Respected Sir,

As a part of curriculum our students are expected to visit a Research Institute. This year our students are very eager to visit your esteemed Institute. The purpose of visiting is to give an opportunity to broaden their learning beyond the syllabus with respect to aspects such as research facilities, material managements, quality control system, research and development activities etc. Likewise, this will assist in correlating theoretical concepts with the industrial applications.

I wish to conduct this visit for our Second Year B. Pharm. students. I request you to grant permission for the same. Any schedule as per your convenience will be tried best to accommodate. My class strength is about 66 and the class would be accompanied by two faculty members. Kindly let me know if you can permit us to visit your research centre.

Thanking You,




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

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Vivekanand Education Society's College of Pharmacy

(Sinhā Linguistic Minority, Approved by AICTE, DTE, Pharmacy Council of India & Govt. of Maharashtra, Affiliated to University of Mumbai)

Prof. Supriya Shidhaye
M.Pharm., Ph.D. (Tech)
Principal

REF: VESCOP/OL/ 74 of 2017

Date: 2nd January 2017

Dear Sir/Madam,

This is to inform you that following two faculties are deputed along with the SYBPharm Students

Mr. Gajakumar D. Agrawal Asst. Prof.	9957042581	
Mrs. Ashwini Wani Asst. Prof.	9326707501	

Principal



*



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



Vivekanand Education Society's College of Pharmacy

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Prof. Supriya Shidhaye
M.Pharm., Ph.D. (Tech)
Principal

REF: VESCOP/OL/ 60 of 2017

Date: 17th January 2017

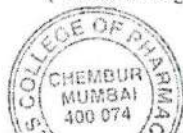
Format of Undertaking

Head
Media Relations & Public Awareness Section
Scientific Information Resource Division
Bhabha Atomic Research Centre
Trombay, Mumbai -- 400 085

1. I assure you that all the students and faculty will reach BARC North Gate Reception by 9.30 am and all will carry valid college photo identity card.
2. I assure you that all the students/faculty visiting BARC are Indian Nationals and will follow the discipline.
3. I assure you that students and faculty will not carry mobile phones and its accessories. Electronic gadgets like CD, floppy, pen drive, memory card, charger, camera, SIM card, Head phones, any Electrical and Cosmetic items, bag and baggages etc.,
4. I assure you that no foreign/NRI student and faculty are included in the visit to BARC.
5. I assure you that the students will come decently dressed or in college uniforms (wherever applicable).
6. I assure you that if we violate any of the rules, (name of faculty and phone number) will be held responsible.

Ms. Ajaykumar D. Agrawal
Mrs. Ashwini Wani

(Name & Signature of faculty accompanying the students)



Supriya Shidhaye
(Signature of the Principal/Dean)

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Vivekanand Education Society's College of Pharmacy

Dr. B. R. Ambedkar Maharashtra State Open University, Approved by AICTE, OTE, Pharmacy Council of India & Govt. of Maharashtra, Affiliated to University of Mumbai

Prof. Supriya Shidhaye
M.Pharm, Ph.D. (Tech)
Principal

REF: VESCOP/OL/ 61 of 2017

Date: 17th January 2017

Rules & Regulations while entering BARC

1. Valid College Photo Identity Card for students and faculty is mandatory.
2. Mobile phone, charger, headphone, SIM Card, Memory Card etc. are not allowed to carry inside BARC for anybody.
3. Electrical and Electronic gadgets like CD, floppy, pen drive, camera etc. and even cosmetic items are not allowed to carry inside BARC.
4. All the students and staff shall be Indian.
5. No foreign students and faculty are allowed to visit BARC.
6. Neither new names will be added nor interchange is possible on the day of the visit.
7. Students shall carry pen, blank writing pad and identity card while entering the BARC premises. Strictly No bag, baggages, hand bags, ladies purse etc.
8. All the students and staff should report at BARC North Gate Reception by 9.30 a.m.
9. Discipline shall be maintained in the BARC premises.
10. The staff shall take the responsibility of all the students. If students do not carry photo identity card and/or is caught with any electronic gadgets/electrical/cosmetic items and/or any indiscipline behavior, the college authorities shall take necessary action against the student and responsible faculty member.



Supriya Shidhaye

Hashu Arvan Memorial Complex, Soland Defectors Colony, Chembur, Mumbai - 400 074. 80014. | Tel: +91 22 2114 4184 / 2554 3169

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Vivekanand Education Society's College of Pharmacy

Vivekanand Education Society's College of Pharmacy, Approved by AICTE, OTE, Pharmacy Council of India & Govt. of Maharashtra, Affiliated to University of Mumbai

Prof. Supriya Shidhaye
M.Pharm., Ph.D. (Tech)
Principal

S. Y. B. Pharm. sem IV List of Students

Sr. #	Name of the Student	Sr. #	Name of the Student
1	Ajwani Vinita Shankar	34	Nair Nikita Sreevalsaran
2	Amshika Rajesh	35	Nair Saanya Suresh
3	Beri Amrita Kaur Jindarpal	36	Ogale Harshada Dattatray
4	Borate Samrudhhi Nandkumar	37	Panjwani Rohit Gardinamaji
5	Chavak Jasleen Kaur Tejinder Singh	38	Panwar Dilip Lakshmand Parvati
6	Chaudhary Anuj Anil	39	Patil Gritsha Dilip
7	Chaudhary Rakha Dalaram	40	Phadtare Bhakti Anil
8	Chavala Ashish Jethanand	41	Phatak Saniha Sharad
9	Chhotramani Armita Kumar	42	Rampurwala Ummezakema Idra
10	Dadu Nehal Nitin	43	Raut Rakshita Ravkant
11	Datta Abhishek Ashish	44	Saiswani Karen Prakash
12	Davadi Varsha Murlidhar	45	Sanjana Parasmeswari
13	Devashale Tejaswini Charuchandra	46	Shah Krupal Arun
14	Dodeja Prema Vijay	47	Shah Rishi Himen
15	Dubey Ashish Vinendra	48	Shah Sravika Mahesh
16	Dumadi Jeet Sharad	49	Shahani Devashree Dhanu
17	Gawde Siddhita Gajanan	50	Shetty Yogeshwari Rakesh
18	Gawde Purnavashree Hemant	51	Shingate Rutuja Vitthal
19	Jadhav Sneha Satish	52	Sonani Vaishnavi Shantilal
20	Jain Sambhar Chandraprakash	53	Sudani Srijay Prema
21	Jain Shubham Dineshkumar	54	Teli Muzakira Mehtaboo
22	Jog Arundhaty Rajkumar	55	Toraskar Ira Prabhakar
23	Joshi Sneha Rajendra	56	Yadav Bikas Rama
24	Kadavkar Prachi Pradeep	57	ANJANA BHARTIYANAGI
25	Kamath Tapan Ganesh	58	CHANDRA PRABHAKI RAMANI
26	Kashare Manprey Sanjay	59	DUDINA HEENA KUTESHAL
27	Khatri Jatin Jaiprakash	60	INDHAV SAMRATA SOHAN
28	Konde Akshayraj Rajan	61	KESARKARI HARSHADA DILIP
29	Maiti Siddharth Sushant	62	MORE ADITYA NILAS
30	Mali Prajakta Rajesh	63	PATEL MEERA ANVINDHANI
31	Masare Sanjaykumar Suryakantap	64	RAWAL MEHDI GADGADLAL
32	Memon Nida Javed	65	WANI HIRAN BADESHI
33	Motwani Simran Maheshlal	66	YADAV AKSHAY BHANUDAS



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

Hadu Atank Marona Complex, Behind Collector Colony, Chembur, Mumbai - 400 074 | Tel: +91 22 2554 3325 | Email: vespharm@yahoo.co.in | vescolp@gmail.com | Website: www.ves.ac.in

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Ojaskumar Agrawal <ojaskumar.agrawal@ves.ac.in>

BARC Thanks Letter

Ojaskumar Agrawal <ojaskumar.agrawal@ves.ac.in>

20 February 2017 at 13:47

To: mrpas@barc.gov.in

Cc: Ashwini Wani <ashwini.wani@ves.ac.in>, "rakesh.somani@ves.ac.in" <rakesh.somani@ves.ac.in>, Supriya Shidhaye <supriya.shidhaye@ves.ac.in>

Bcc: Keyur Shastri <keyur.shastri@ves.ac.in>

Dear Sir,

I would like to express my sincere gratitude for arranging visit at BARC for our SYBPharm Students.

At the outset, I would also like to thanks Mr S N Nambiar Sir and Mr B B Sinha Sir for their constant help throughout the visit.

Herewith I am attaching scanned copy of Thanks letter and same I will courier to you.

Thank you very much once again.

--

Best Wishes,

Mr. Ojaskumar D. Agrawal
Assistant Professor,
VES College of Pharmacy, Chembur (E),
Mumbai 40074 MS India
+ 91 9967042981



एक कदम स्वच्छता की ओर



BARC Thanks.jpg
582K

ANCHROM

TLC/HPTLC Training Certificate

Cert. No. 4719

July 21, 2018

This is to certify that
Ms. Akanksha Badgjar

of Vivekanand Education Society, Mumbai

has undergone one day training on Camag HPTLC System at our
India-Specific HPTLC Applications Research Laboratory,
in Mumbai on 21/07/2018



Akshay Charegaonkar
Director



Technologists, not Traders!

Anchrom Enterprises (I) P. Ltd. Mumbai - 400 081. India.



PRINCIPAL
VIVEKANAND EDUCATION SOCIETY'S
College of Pharmacy
Hashu Adhikari Complex,
Collector's Building, Chembur,
Mumbai - 400 074. INDIA

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ANCHROM

TLC/HPTLC Training Certificate

Cert. No. 4708

June 30, 2018

This is to certify that
Ms. Archana Joshi
of **Vivekanand Education Society, Mumbai**
has undergone one day training on Camag HPTLC System at our
India-Specific HPTLC Applications Research Laboratory,
in Mumbai on 30/06/2018



Akshay Charegaonkar
Director

Anchrom Enterprises (I) P. Ltd. Mumbai - 400 081. India.



Technologists, not Traders!



[Handwritten Signature]
VIVEKANAND EDUCATION SOCIETY'S
College of Pharmacy
Nashu Arts Building, 1st Floor,
Chembur, Mumbai - 400 074, India

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ANCHROM

TLC/HPTLC Training Certificate

Cert. No. 4724

July 21, 2018

This is to certify that
Ms. Mayuri Hangekar
of **Vivekanand Education Society, Mumbai**
has undergone one day training on Camag HPTLC System at our
India-Specific HPTLC Applications Research Laboratory,
in Mumbai on 21/07/2018



Akshay Charegaonkar
Director



Anchrom Enterprises (I) P. Ltd. Mumbai - 400 081. India.

Technologists, not Traders!

ANCHROM

TLC/HPTLC Training Certificate

Cert. No. 4722

July 21, 2018

This is to certify that

Ms. Mayuri Jain

of Vivekanand Education Society, Mumbai

has undergone one day training on Camag HPTLC System at our

India-Specific HPTLC Applications Research Laboratory,

in Mumbai on 21/07/2018



Akshay Charegaonkar
Director



Technologists, not Traders!

Anchrom Enterprises (I) P. Ltd. Mumbai - 400 081. India.

ANCHROM
TLC/HPTLC *Training Certificate*

Cert. No. 4751

August 18, 2018

This is to certify that
Ms. Sneha D. Shinde
of **Vivekanand Education Society, Mumbai**
has undergone one day training on Camag HPTLC System at our
India-Specific HPTLC Applications Research Laboratory,
in Mumbai on 18/08/2018



Akshay Charegaonkar
Director



Anchrom Enterprises (I) P. Ltd. Mumbai - 400 081. India.

Technologists, not Traders!

ANCHROM
TLC/HPTLC *Training Certificate*

Cert. No. 4706

June 30, 2018

This is to certify that

Ms. Snehal Patil

of Vivekanand Education Society, Mumbai

has undergone one day training on Camag HPTLC System at our

India-Specific HPTLC Applications Research Laboratory,

in Mumbai on 30/06/2018



Akshay Charegaonkar
Director



Anchrom Enterprises (I) P. Ltd. Mumbai - 400 081. India.

Technologists, not Traders!

ANCHROM

TLC/HPTLC Training Certificate

Cert. No. 4721

July 21, 2018

This is to certify that

Ms. Supriya Pawar

of Vivekanand Education Society, Mumbai

has undergone one day training on Camag HPTLC System at our

India-Specific HPTLC Applications Research Laboratory,

in Mumbai on 21/07/2018



Akshay Charegaonkar
Director



Anchrom Enterprises (I) P.Ltd. Mumbai - 400 081. India.

Technologists, not Traders!

ANCHROM

TLC/HPTLC *Training Certificate*

Cert. No. 4707

June 30, 2018

This is to certify that
Ms. Tanmayee Dhamale

of Vivekanand Education Society, Mumbai

has undergone one day training on Camag HPTLC System at our

India-Specific HPTLC Applications Research Laboratory,

in Mumbai on 30/06/2018



Akshay Charegaonkar
Director



Anchrom Enterprises (I) P. Ltd. Mumbai - 400 081. India.

Technologists, not Traders!

ANCHROM
TLC/HPTLC *Training Certificate*

Cert. No. 4750

August 18, 2018

This is to certify that
Ms. Asmita P. Joyasar
of **Vivekanand Education Society, Mumbai**
has undergone one day training on Camag HPTLC System at our
India-Specific HPTLC Applications Research Laboratory,
in Mumbai on 18/08/2018



Akshay Charegaonkar
Director



Anchrom Enterprises (I) P. Ltd. Mumbai - 400 081. India.

Technologists, not Traders!

VES COLLEGE OF PHARMACY

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

Industrial Visit Report A.Y 2017-18

PROGRAM COMMITTEE

Details of activity:

Name of the Activity	Visit to Blood Bank		
Day, Date	Wednesday 12/04/2018	Department/ Committee/Fac ulty	
Venue	Wamanrao Oka Raktpedhi, Thane (W)	Time	10:00 am onwards
Nature of activity	Field work	Total no. of participants	62

Activity Information:

Objectives	1. Visit to Blood bank 2. to understand the process behind collection, storage and fate of blood products 3. To learn about different blood products and their quality controls
Outcomes	The activity correlated to course Anatomy and Physiology Students were able to 1. Understand the functioning of a blood bank 2. 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

Mr. Ojaskumar Agarwal	Mrs. Vidhi Bhatia	Dr. Rajashree Hirlekar
Name & Signature of Coordinator	Name & Signature of Head/Committee In charge	Name & Signature of IQAC Coordinator

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

1



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A
Report of
KAI. WAMANRAO OKA
RAKTAPEDHI
Visit

ON
Thursday, 12th April 2018

Mr. Ojaskumar D. Agrawal
S.Y.B.Pharm Class Coordinator

VIVEKANAND EDUCATION SOCIETY'S COLLEGE OF PHARMACY
Hashu Advani Memorial Complex, Behind Collector Colony Chembur (E), Mumbai - 400 074



2017-18

Vivekanand Education Society's College of Pharmacy

(Sindhi Linguistic Minority, Approved by AICTE, DTE, Pharmacy Council of India & Govt. of Maharashtra. Affiliated to University of Mumbai)
B. Pharm. Programme is accredited by NBA, New Delhi, from 2016-17 to 2017-18

Prof. Supriya Shidhaye
M. Pharm., Ph.D. (Tech)
Principal

Ref. No.: VESCOP/ OL/ 375¹ of 2018

Date: 06 April 2018

To,
Medical Director,
Kai Wamanrao Oka Raktpedhi,
Ghantali Mandir Road, Thane West, Thane 400602

Subject: Permission to arrange Blood Bank visit by our students and staff

Respected Sir / Madam,

As a part of curriculum our students are expected to visit an industry / Blood Bank / Hospital. This year our students are very eager to visit your Blood Bank. The purpose of visiting is to give an opportunity to broaden their learning beyond the syllabus with respect to aspects such as Storage of Blood, separation of different components of blood, blood bank design, quality control system etc. Likewise, this will assist in correlating theoretical concepts with the industrial applications.

We want to conduct this visit for our Second Year B. Pharm. students. We request you to grant permission to visit your organization. Any schedule as per your convenience will be tried best to accommodate. Our class strength is about 60 and the class would be accompanied by two faculty members. Kindly let us know if you can permit us to visit your factory premises.

Thanking You,
With kind regards,

Mr. Ojaskumar D. Agrawal | Asst. Prof. | VESCOP | _____

Dr. (Mrs). Supriya S. Shidhaye | Principal | VESCOP | _____



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Prof. Supriya Shidhaye
M. Pharm., Ph.D. (Tech.)
Principal

List of students who have attended blood bank visit on 12.4.2018 - 2017 18

Sr No	Name of student
1.	Megha Jeason
2.	Neha Powar
3.	Sayli Kharkar
4.	Jui Pendse
5.	Atharva Bhatkande
6.	Nikeeta Palande
7.	Krushni Popli
8.	Natasha Coutinho
9.	Vanashree Chaudhari
10.	Kinjal Gawde
11.	Manali Kadam
12.	Tanvi Kamble
13.	Atreya Karandikar
14.	Vivek Kedar
15.	Deepak Mahind
16.	Kirti Sawant
17.	Kartik Sonawane
18.	Salonee Tawde
19.	Abhijeet Teli
20.	Suyog Tangade
21.	Shubham Lachure
22.	Mohit Davaria
23.	Barkha Makhija
24.	Namrata Relwani
25.	Kishan Choudhary
26.	Harshil Shah
27.	Sita Patel
28.	Mukesh Choudhary
29.	Muskan Tardeja
30.	Azhar Khan
31.	SagarKhatal
32.	Aditi Venkatesh
33.	Batul Bhopalwala
34.	Ritu Chandwani
35.	Neha Dembrani
36.	Karan Desai
37.	Rohan Domadia

Dr. (Mrs.) Supriya S. Shidhaye

Vivekanand Education Society's
College of Pharmacy
HAMC, B. Colony,
Chambur, Mumbai-400 074.

2017-18

38.	Mihir Ghonge
39.	Reema Gupta
40.	Ashish Jhangiani
41.	Poorvi Joshi
42.	Abhijeet Kokate
43.	Priyanka Baburaj
44.	Rahul Jethani
45.	Marya Sadriwala
46.	Shreya Ajitkumar
47.	Dhawal Sonar
48.	Sneha Suthar
49.	Kavneel Sayal
50.	Sameer Aya
51.	Nishigandha Ghadage
52.	Renuka Jain
53.	Jyoti Mestry
54.	Chetan Mhaprolkar
55.	Gouri More
56.	Hitesh Prajapati
57.	Pooja Rathod
58.	Prajwal Raut
59.	Rohini Salunkhe
60.	Gauri Shete
61.	Akash Vishwakarma
62.	Sangita Wakade

Mr. Ojaskumar D. Agrawal
Assistant Professor,
VES College of Pharmacy, Chembur (E),
Mumbai MS India

Dr. (Mrs.) Supriya S. Shidhaye
PRINCIPAL
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2017-18

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Prof. Supriya Shidhaye
M. Pharm., Ph.D. (Tech)
Principal

Ref: VES COP/OL/ 375(A) OF 2018

Date: 16.04.2018

To,
Medical Director,
Kai Wamanrao Oka Raktpedhi,
Ghantali Mandir Road, Thane West, Thane 400602

Dear Sir/ Madam,

With reference to the recent Blood Bank visit of our Second Year B. Pharm students to your organization, I hereby express my gratitude to you for organizing the same.

It was a very good learning experience for our students. This visit will assist in correlating the theoretical aspects with the industrial applications.

I once again thank you and look forward for a long term association with your organization for such activities.

With kind regards,

Mr. Ojaskumar D. Agrawal | Asst. Prof. | VES COP |

Dr. (Mrs). Supriya S. Shidhaye | Principal | VES COP |



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

Hashu Advani Memorial Complex, Behind Collectors Colony, Chembur, Mumbai - 400 074, INDIA. | Tel.: +91 22 6114 4144
Fax : +91 22 2554 3925 | Email: vespharm@yahoo.co.in / vescop@gmail.com • Website : www.ves.ac.in/Pharmacy

BLOOD BANK VISIT

Wamanrao Oka Blood Bank, Thane (W)

A visit to the Wamanrao Oka Blood Bank, Thane(W) was conducted for the students of S.Y B. Pharm of Vivekananda Education Society College of Pharmacy on Thursday, 12/04/18

The blood bank is a four storeyed dedicated building for the collection, storage and processing of blood and blood products.

A batch of 30 students attended the visit. The teachers in charge were Mr. Ojas Agarwal and Dr. Swati Mittal. The reporting time was 10:45 am

Initially the batch was divided into 2 groups of 15 students each. One group was guided by Dr. Umesh and the other by Dr. Subhash.

Initially we were shown the Counseling Room and the Reception area, both located on the ground floor of the building. Here, an elaborate history is obtained about the donor to ensure that he/she is devoid of any life-long ailments. The people with following diseases are deemed unfit for donating blood

- Cancer
- Diabetic
- Suffered jaundice 3 yrs earlier or sooner
- Viral diseases

Also, the prime motto of this is to keep in mind "*Donor Safety*" along with "*Patient Safety*"

Next we moved on to the first floor where we headed towards the Donor Selection room. Here, the blood Hemoglobin levels and the Blood group.

Hemoglobin levels are tested by measuring the time required by the blood drop to sink in a CuSO_4 solution. The blood group is found out by using the antisera liquids

A student, Mr Kishan, volunteered to have these blood tests performed on.

The following information was provided about this preliminary test-

Hemoglobin levels must be 12. 5g/dL or more.

A patient receives blood from a donor of the same Blood group. Only in cases of emergencies, blood grouped O-ve is used.

Next we moved on to the Medical examination room where the vitals of the donor are recorded.

This includes

- Donor blood pressure
- Lung capacity
- Pulse
- Body temperature
- Edema or swelling of hands and legs
- Enlargement of spleen or liver

Age requirement: the age limit starting from completion of 18 years of age and extending upto completion of 65 years of age

Only if these vitals match the required standards, the person can donate blood.

Next we saw the area where the blood is actually collected.

Here there is a special bed for the donor to lie down. Optimum three-fold sterilization is provided by using Spirit, Savlon, and Betadine solutions to prevent sepsis or infection to the donor. The anti-cubal fossa is identified and the blood is collected in special bags. There are three types of collecting bags available for

- Whole blood
- Double(for plasma and RBCs)
- Triple(for platelets)

Next we were guided to the Apheresis room. Here the Platelet component of the blood is exclusively separated. The withdrawn blood is centrifuged using a centrifuge machine and the platelets are collected, the rest of the components are recirculated in the donor's body. This single cycle takes about 10 mins and is carried out till upto 350 ml volume worth of platelets are collected.

Platelets are administered to patients suffering from diseases like Dengue, Malaria, Cancer, etc.

The Platelet count of the donor should be above 2 lakhs per mL of blood volume.

Transfusion of platelets is carried out when Platelet count of patient drops below 20,000 per mL.

After the blood collection is completed the donor is taken to the refreshment room and the blood collected is propagated to the storage areas via the special lift to avoid manual handling. Two test tubes of blood sample are taken and tested for the following conditions

- HIV 1&2
- Hepatitis B
- Hepatitis C
- V.D.R
- Malaria
- Irregular antibodies

Only if all the aforesaid mentioned tests are negative, the donated blood can be used for transfusion else it is discarded via the process of incineration.

Also, a cross matching test is performed where the donor serum and PCV are cross matched with those of the patient. If no agglutination occurs, transfusion can be successfully carried out.

Next we headed to the storage_area where different refrigerators maintained at different temperature conditions were used for different blood products.

- RBCs(2-6°C for 35 days)
- Plasma(-40 to -60°C for 1 year)
- Platelets(20-24°C for 5 days)

Next we saw the different centrifuge machines used for separating the blood components.

The heavy duty cooling centrifuge operates within 1000-3000 r.p.m and is useful in separating the components and also cooling the contents of the bag.

The plasma, platelets and RBCs are separated from the bags using the Plasma expresser machine.

For this purpose the different bags intended for different use are utilized.

The separated components are then stored. They are transported to the hospitals as and when required on completion of proper documentation. This concluded the trip around the building and the two groups assembled together in a room where refreshments were served.

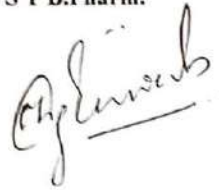
Overall it was observed that high care was taken to maintain the aseptic conditions of the blood products to avoid contamination.

The two co-ordinators_Dr. Umesh and Dr. Subhash gave us some additional information about the processing of the blood products and also about how their financing is carried about. They stressed on how donating blood is a voluntary choice and not a compulsion and that the practice of professional donors is now obsolete. This was followed by answering the questions of the students pertaining to the information they acquired throughout the visit. The session ended on a positive note encouraging the donation of blood. Few students also volunteered to donate blood.

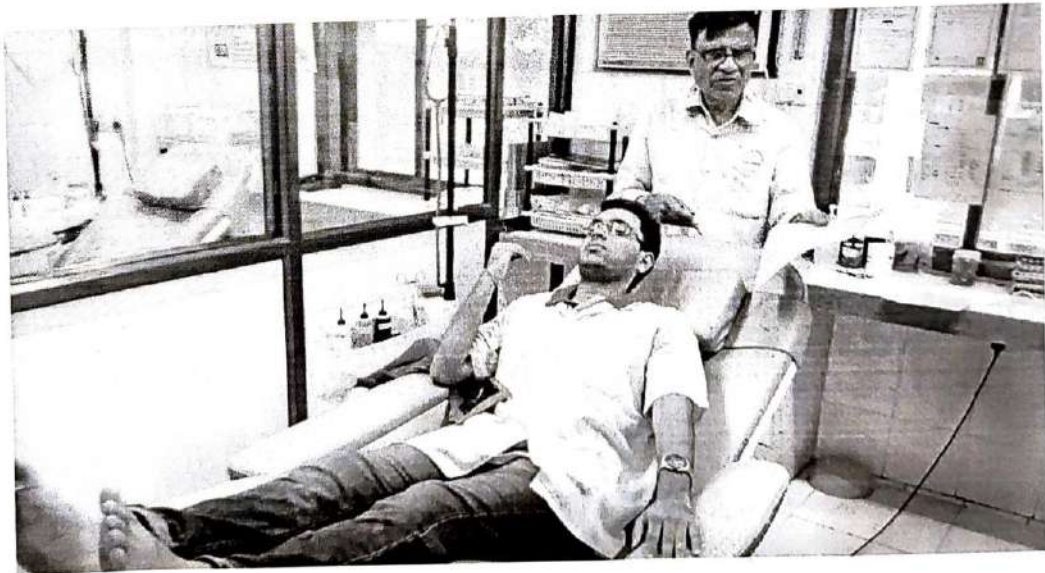
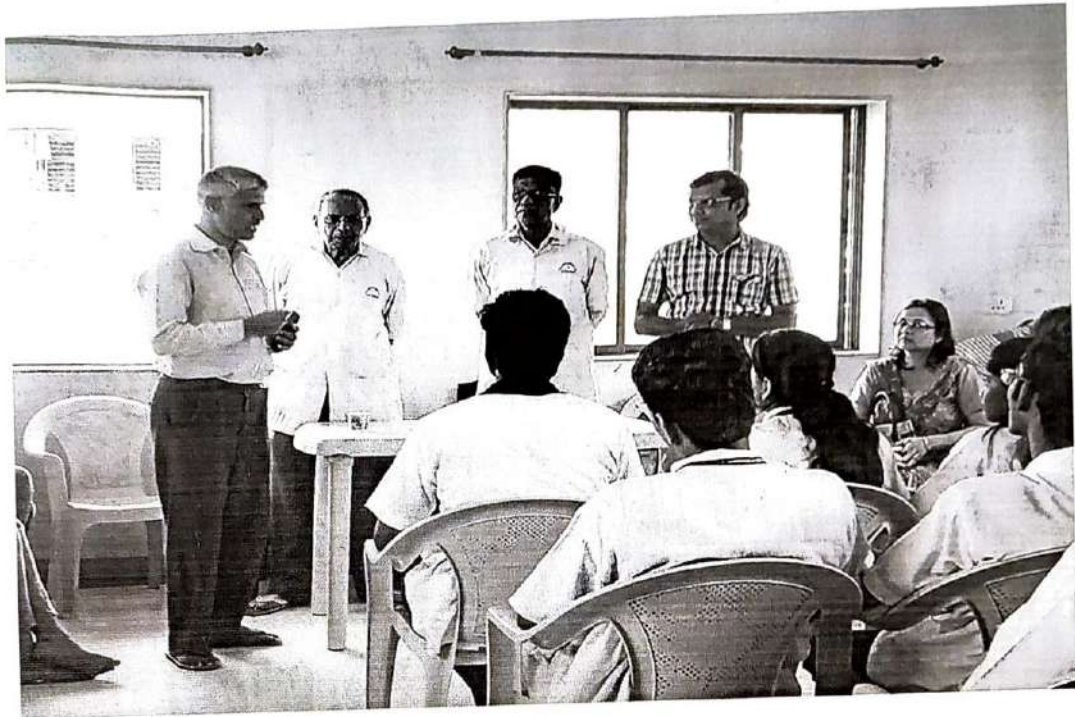
The entire blood bank visit was an enthralling novel experience and also enhanced our practical knowledge.

Report prepared by: Ms. Sayali Kharkar and Priyanka S Y B.Pharm.

Report checked by: Mr. Ojaskumar D. Agrawal











Vivekanand Education Society's College of Pharmacy

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Prof. Supriya Shidhaye
M. Pharm., Ph.D. (Tech.)
Principal

Ref. No.: VESCOP/ 395 of 2019

Date: 8th April 2019

To,
Mediacal Director,
Kai Wamanrao Oka Raktpedhi,
Ghantali Mandir Road, Thane West, Thane 400602

Subject: Permission to arrange Blood Bank visit by our students and staff

Respected Sir / Madam,

As a part of curriculum our students are expected to visit an industry / Blood Bank / Hospital. This year our students are very eager to visit your Blood Bank. The purpose of visiting is to give an opportunity to broaden their learning beyond the syllabus with respect to aspects such as Storage of Blood, separation of different components of blood, blood bank design, quality control system etc. Likewise, this will assist in correlating theoretical concepts with the industrial applications.

We want to conduct this visit for our Second Year B. Pharm. Students. We request you to grant permission to visit your organization. Any schedule as per your convenience will be tried best to accommodate. Our class strength is about 65 and the class would be accompanied by two faculty members. Kindly let us know if you can permit us to visit your factory premises.

Thanking You,
With kind regards,

Mr. Ojaskumar D. Agrawal | Asst. Prof. | VESCOP | _____

Dr. (Mrs). Supriya S. Shidhaye | Principal | VESCOP | _____



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

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Prof. Supriya Shidhaye
M. Pharm., Ph.D. (Tech.)
Principal

Ref: VESCOP/OL/ 409 OF 2019

Date: 12th April 2019

To,
Medical Director,
Kai Wamanrao Oka Raktpedhi,
Ghantali Mandir Road, Thane West, Thane 400602

Dear Sir/ Madam,

With reference to the recent Blood Bank visit of our Second Year B. Pharm students to your organization, I hereby express my gratitude to you for organizing the same.

It was a very good learning experience for our students. This visit will assist in correlating the theoretical aspects with the industrial applications.

I once again thank you and look forward for a long term association with your organization for such activities.

With kind regards,

Mr. Ojaskumar D. Agrawal | Asst. Prof. | VESCOP |

Dr. (Mrs). Supriya S. Shidhaye | Principal | VESCOP |



Dr. (Mrs.) Supriya S. Shidhaye
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The assignment note is not a Tax Invoice. A Tax Invoice will be made available by PROFESSIONAL or its channel partner as the case maybe upon request.

KUR CMBC TEL: 25538875, 9702989995

CONSIGNOR
 Nivekmand Education Medical Director
 State :
 Mobile No. :
 GSTIN :

CONSIGNEE
 Thane
 State :
 Mobile No. :
 GSTIN :

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 DOMESTIC & INTERNATIONAL - COURIER & CARGO
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Thanks letter sent to Grand Bank on 15/4/19

(Signature)
 15/4/19

Vivekanand Education Society College of Pharmacy, Mumbai

Activity Report – Blood Bank Visit

Organising Institute: VES College of Pharmacy, Mumbai

Class: SYBPharm SEM IV

Co-ordinator of Activity

Mr. Ojaskumar D. Agrawal | VES College of Pharmacy, Mumbai -400 074

Details of the Activity

Sr.No	Activity	Timing	Date	Location
1	Visit to Blood bank	10:00am	10 th and 11 th April, 2019	Wamanrao Oka Raktapedhi, Ghantali Devi road, Naupada ,Thane West, Thane 400602

Description of the activity:

Our Blood Bank visit to Wamanrao Oka Raktapedhi, Thane was accompanied by Mr. Ojaskumar Agrawal Sir and Mrs. Sonali Munj Ma'am on 10th April and on 11th April the teachers incharge were Mr. Pratip Chaskar Sir and Ms. Karunavati Nabar Ma'am .

The blood bank was a 5 storey tall building beginning with the counselling room on the ground floor ,where the form consisting of donor details were asked to be filled .This required information such as Donor name ,age ,medical history (any ongoing medication ,illness ,sleep cycle ,any surgery major /minor), donation history ,etc.

The donor is then taken to the administration room on the first floor where he/she is asked to check for their Hb count by using copper sulphate solution and it is required to be more than 12.5 units .Also the blood group of the donor is determined here .Adjacent to the administration room is the medical examination room where the BP of the donor is checked ,also the donor is checked for any heart related disease such as arrhythmia .Next to it is the room for blood collection – this procedure involves the following steps :

1

1) Proper vein selection

2) Drying the area with spirit – betadine – savlone – spirit

3) Injecting the syringe and collection of blood .There are 2 types of bags used for blood collection (350-450 ml)–single bag which is used to collect WHB (whole human blood) and double bag is used to collect WHB and RBCs (2-6 degrees for 35 days), freshly frozen plasma (-35 degree for 1yr)and platelets (20-24 degree for 5 days with constant agitation).The bag consists of CPD solution(citric acid ,sodium phosphate and dextrose) as anticoagulant .A sealing machine was used to seal the blood bag and there were 2 types off test tubes, the large one with CPD solution and smaller one without CPD solution which is taken for further testing . The blood collection room also had a separate room for Apheresis (platelet collection 250-300 mm). After donation the donor is provided with refreshments which include coffee and glucose biscuit. Towards the exit of the floor was a dumb waiter lift for the movement of blood bags and test tubes to the different floors.

The second floor has the red cell serology room –cross matching of the donor and receiver blood is done here with major and minor testing ,this process takes about 45mins-1hr.Next to it is the TTD testing room ,here tests for HIV 1 and 2 ,Hepatitis B and C ,malaria and VDRL (test for syphilis) is done .Thermographs are used to store the blood bags(2-6 degree) and this room also has a reagent refrigerator. Hot and cold antibodies are stored at a temperature greater than 37 degree and room temperature respectively.

The 3rd floor had room for the quarantine storage having the ultra low freezer to store the untested blood .Opposite to it is the component storage room it includes instruments such as platelet incubator and agitator, plasma freezer and RBC storage .The component preparation room has instruments such as Laminar air flow which has the plasma expresser, centrifugation machine used to separate RBC, WBC, platelet and serum and Cryo bath. In the centrifugation machine platelet is centrifuged at 22 degrees and other components at 4 degrees.

At the end of the tour we settled in a discussion room on the 4th floor where we were given theoretical information about blood donation also we were made aware of Bombay blood group .It is the rarest blood group. First found in Bombay (Mumbai) in India, hence called Bombay blood group. It is observed to occur in 1 out of every

250,000 people except in parts of India where the incidence has been observed to be as much as 1 in every 7,600. It is also called the HH group. The peculiarity is that they do not express the H antigen. As a result they cannot form A antigens or B antigens on their red blood cells. Thus they can donate blood to anybody with ABO grouping but can receive blood only from Bombay blood group people. The visit ended with us enlightened with theoretical and practical information about blood donation.

Photo Gallery:







5



Report Prepared by:

Ms Santhana Kumaresan | SYBPharm Student | VESCOP

Report Checked and Corrected By:

Mr Ojaskumar D. Agrawal | Activity in charge | VESCOP

VES COLLEGE OF PHARMACY

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

IMPACT ANALYSIS FOR BLOOD BANK VISIT

Academic Year:

Date:

Title of the activity:

A. Objectives:

1. To provide students an insight regarding working module of Pharmaceutical Industry/ Hospital/ research facility
2. To bridge the gap between theoretical training and actual industry practices.
3. To develop interest among Students/Learners towards usage of Modern tools, sophisticated equipment and to create Professional Identity

B. Activity Outcomes:

	Upon completion of this activity learners would:	Mapped PO	Level of Mapping
AO 1.	Be able to recognize the various working units of pharmaceutical industry / Hospital/ research facility	1, 11	3
AO 2.	Be able to recognize different steps and processes involved in industrial operations.	1, 11 4	3 2
AO 3.	Become more aware of industry practices and regulation as well as importance of documentation.	1 4	3 3
AO 4.	Be able to better identify their prospective areas of work in overall organization function.	1 2 7 8 10	3 3 3 2 3



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

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VES COLLEGE OF PHARMACY

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

IMPACT ANALYSIS FOR BLOOD BANK VISIT

D. Rate the outcome: Industry visits helped you to

Q. No.	Question	AO mapped
1.	Observe the various working units of pharmaceutical industry / Hospital/ Research Facility	A01
2.	Understand the different steps and processes involved in industrial/Hospital/Research facilities operations.	A02
3.	Comprehend the type and scale of the machinery used at large scale manufacturing level/ high end equipments and instruments used at various facilities.	A03
4.	Relate the theory learned in the course to its application in the industry.	A01, A02, A03
5.	Be aware about professional practices and importance of planning, ethics and regulations in Pharmaceutical Industry.	A04
6.	Learn about professional opportunities available in industry/Hospital/ Research Facility.	A04

Please rate using the following key-

3: Strongly agree

2: Agree

1: Disagree

Roll No.	Student Name	Q1	Q2	Q3	Q4	Q5	Q6	Sign
1	Abel Biju	3	3	3	3	3	3	ABEL
2	Anushee Khanduzi	3	3	3	3	3	3	Anushee
3	Umanj Ashar	3	3	3	3	3	3	Umanj
5	Reetu Bhakta	3	3	3	3	3	3	Bhakte
6	Vaideshi Bhole	3	3	3	3	3	3	VBS
7	Rishabh Chauhan	3	3	3	3	3	3	R.C
8	Sweety Chauda	3	3	3	3	3	3	S.



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Chembur, Mumbai - 400 074

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VES COLLEGE OF PHARMACY


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IMPACT ANALYSIS FOR BLOOD BANK VISIT

9	Bhairavee chimane.	3	3	3	3	3	3	Bhairave
10	Bhavin Daka	3	3	3	3	3	3	P.P.A.
11	Prajakta Dente	3	3	3	3	3	3	P.K.D.
12	Shikha Desai	3	3	3	3	3	3	S.D.
13	Divya Dhawan	3	3	3	3	3	3	Shaw
14	Siddhi Dhukhande	3	3	3	3	3	3	Siddhi
15	Fredrick John	3	3	3	3	3	3	FJ
16	Akshay Gaikwad	3	3	3	3	3	3	P. Jethur
17	Priyanka Ghosh	3	3	3	3	3	3	Pgh.
18	Sonali Gudalkar	3	3	3	3	3	3	Sonali
19	Gupta Lakhan.	3	3	3	3	3	3	Lakha.
20	Saloni Gupta	3	3	3	3	3	3	Saloni
21	Habil Hirkhani	3	3	3	3	3	3	Habil
22	Manav Jain	3	3	3	3	3	3	
23	Anjana Jankariya	3	3	3	3	3	3	Anjana
24	Jay Juthani	3	3	3	3	3	3	JAY
25	Sayli Kadam	3	3	3	3	3	3	Sykalam
26	Ankita Kannade	3	3	3	3	3	3	AK
27	Purna Karquarkar	3	3	3	3	3	3	Purna
28	Sanil Kavish	3	3	3	3	3	3	Kavish
29	Abdulkareemkhan.	3	3	3	3	3	3	A.H.K

3




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

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VES COLLEGE OF PHARMACY

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

IMPACT ANALYSIS FOR BLOOD BANK VISIT

30	Naziya Khan	3	3	3	3	3	3	Naziya Khan
31	Anushka Khathani	3	3	3	3	3	3	AAR
32	Subham Kokare	3	3	3	3	3	3	S-SK
33	Kowlagi Madhura	3	3	3	3	3	3	msk
34	Jagdish Kumarat	3	3	3	3	3	3	Kumar
35	Gurpreet Kaur	3	3	3	3	3	3	GK
36	Paath Mehta	3	3	3	3	3	3	Paath
37	Vipina Meseota	3	3	3	3	3	3	Vipina
38	Nargis Shafique	3	3	3	3	3	3	Nargis
39	Hansh Nihijawan	3	3	3	3	3	3	Hansh
40	PARTH PANDIT	3	3	3	3	3	3	PARTH
41	SUBRAT PANIGIRAH	3	3	3	3	3	3	Subrat
42	CHAITANYA PANSANDE	3	3	3	3	3	3	Chaitanya
43	OMKAR PARAB	3	3	3	3	3	3	Omkar
44	ABHISHEK SAHU	3	3	3	3	3	3	Abhishek
45	SANTHANALAXHI KUMARESAN	3	3	3	3	3	3	Santhan
46	BHAKTI SAWANT	3	3	3	3	3	3	Bhakti
47	HARDIK SHAH	3	3	3	3	3	3	Hardik
48	NISHA SHARMA	3	3	3	3	3	3	Nisha
49	Chaitanya Shirke	3	3	3	3	3	3	Chaitanya
50	Nandini Singh	3	3	3	3	3	3	Nandini

Dr. (Mrs.) Supriya S. Shidhaye
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4

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VES COLLEGE OF PHARMACY

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IMPACT ANALYSIS FOR BLOOD BANK VISIT

51	Jyoti Singh.	3	3	3	3	3	3	Jyoti
52	Susblu Soni	3	3	3	3	3	3	Susblu
53	Karishma Talreja	3	3	3	3	3	3	Karishma
54	Tanisha Rangnekar	3	3	3	3	3	3	Ty.R
55	Yurajika Tiwari	3	3	3	3	3	3	Yuri
56	Vinita U Wadhawani	3	3	3	3	3	3	Vinita
57	Vigal Thale.	3	3	3	3	3	3	V
58	Pasham Lund.	3	3	3	3	3	3	P.L.
59	Lokesh Thawani	3	3	3	3	3	2	Lokesh.
60	Alok Gupta	3	3	3	3	3	7	A
61	Prachi Singhvi	3	3	3	3	3	3	Prachi
62	Ashok Choudhary	3	3	3	3	3	3	Ashok
63	Monika Golhe	3	3	3	3	3	3	Monika
64	Beauty Gupta	3	3	3	3	3	3	Beauty
65	Hiten Lodh	3	3	3	3	3	7	Hiten
66	Aakash Rajbhar	3	3	3	3	3	3	Aakash
67	Rajpurshat Narendrasingh.	3	3	3	3	3	3	Rajpurshat
68	Saurabh Yadav.	3	3	3	3	7	7	Saurabh
69								
70								




Dr. (Mrs.) Supriya S. Shidhaye
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VES COLLEGE OF PHARMACY

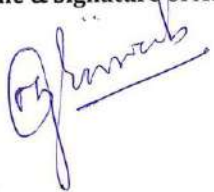
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IMPACT ANALYSIS FOR BLOOD BANK VISIT

	Average	3	3	3	3	3	3	
	% response	100	100	100	100	100	100	
	PO attainment Level	3	3	3	3	3	3	

Any suggestions to improve the activity/ achieve the outcomes of the activity

Name & Signature of Activity Co-ordinator:




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

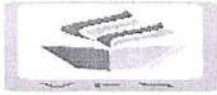
Dr. (Mrs.) Sunriya S. Shidhaye
PRINCIPAL
Vivekanand Education Society's
College of Pharmacy
HAMC, Behind Collector Colony,
Chembur, Mumbai - 400 074.











Ganga Srinivasan <ganga.srinivasan@ves.ac.in>

Shin-etsu Workshop

Ganga Srinivasan <ganga.srinivasan@ves.ac.in>
To: Shirish Sankpal <shirish@arihantinnocem.com>

Wed, Apr 24, 2019 at 5:17 PM

Dear Shirish,

The following students from VES College of Pharmacy will be coming for Shinetsu seminar.

Name: Anura Gawde
Email id: anuragawde.ag@gmail.com
Mob. No. 8082262775

Name: Shahbaz Ahmed
Email id: shahbazahmed1950@gmail.com
Mob. No. 8286806164

Name: Sayali Pawar
Email id: sayalipawar29@gmail.com
Mob. No. 8082448810

Name: Shweta Pansare
Email id: shwetapansare@gmail.com
Mob. No. 9867576215

Name: Pranita Dhage
Email id: dhagepranita@gmail.com
Mob. No. 9664236936

Name: Ashish Patel
Email id: patelashish539@gmail.com
Mob. No. 7021043380

Name: Mangesh Khune
Email id: mangeshkhune491995@gmail.com
Mob. No. 8857074609

Thanks and regards

--

Dr Ganga Srinivasan
Professor & HOD
Department of Pharmaceutics
VES College of Pharmacy
Shri Hashu Advani memorial Complex
Behind Collector Colony
Chembur, Mumbai-400074



- ✉ Glorious decade of academic excellence
- ✉ AICTE-CII survey 2018 Best industry linked Pharmacy Institute (Established Institutes)
- ✉ NIRF-2019 India ranking 67 under Pharmacy category
- ✉ B Pharm program accredited by NBA 2016-19
- ✉ Registered as VES-Scientific and Industrial Research Organization (VES-SIRO) at DSIR
- ✉ Signatory of PRME, a United Nations initiative for sustainability



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



Ganga Srinivasan <ganga.srinivasan@ves.ac.in>

Students for Training

Shirish Sankpal <shirish@arihantinnocem.com> Tue, Apr 2, 2019 at 4:32 PM
 To: Ganga Srinivasan <ganga.srinivasan@ves.ac.in>
 Cc: Swati Mittal <swati.mittal@ves.ac.in>, Harsha Kathpalia <harsha.kathpalia@ves.ac.in>, Ashish Patel <patelashish539@gmail.com>, Anura Gawde <anuragawde.ag@gmail.com>, Pranita Dhage <dhagepranita@gmail.com>

Dear Mam,

Thank you confirmation,

Please provide their contact numbers for further process.

Thanks & Regards

Shirish Sankpal

Assistant Manager Technical-Pharma



Arihant Innochem Pvt. Ltd.

Tel: + 91-22-67674831

Cell No.: +91 7506360966

Website: www.arihantinnocem.com

From: Ganga Srinivasan [mailto:ganga.srinivasan@ves.ac.in]
Sent: 02 April 2019 16:07
To: shirish@arihantinnocem.com
Cc: Swati Mittal; Harsha Kathpalia; Ashish Patel; Anura Gawde; Pranita Dhage
Subject: Students for Training

Dear Shirish,

Following are the students who will attend the workshop. All of them are in M.Pharm second Year and are working on oral solid dosage forms.

1. Ashish Patel
2. Pranita Dhage



Dr. (Mrs.) Supriya S. Shidhaye
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<https://mail.google.com/mail/u/0?ik=c4db584ae5&view=pt&search=all&permmsgid=msg-f%3A1629699926184693235&simpl=msg-f%3A1629699...> 1/2

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8/22/2019

Welcome to Vivekanand Education Society Mail - Fwd: University workshop at Shin-Etsu Lab, Mumbai

2. Solid dispersion technology: Presentation and practical demonstration
3. Enteric coating approach: Presentation and practical demonstration
4. Dry coating approach: An overview

Detailed agenda to follow.

Kindly send the name of the student, email Id and contact number to me latest by 2nd April, 2019.

Please feel free to reach out for any additional information.

Thanks & Regards

Shirish Sankpal

Assistant Manager Technical-Pharma




Arianth Innochem Pvt. Ltd.

Tel: + 91-22-67674831

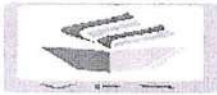
Cell No.: +91 7506360966

Website: www.arianthinnocem.com




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Chembur, Mumbai - 400 074.

<https://mail.google.com/mail/u/0?ik=c4db584ae5&view=pt&search=all&permmsgid=msg-f%3A1629227347305634825&siml=msg-f%3A1629227347305634825> 2/2



Ganga Srinivasan <ganga.srinivasan@ves.ac.in>

Fwd: University workshop at Shin-Etsu Lab, Mumbai

Rakesh Somani <rakesh.somani@ves.ac.in>
 To: "Dr. Ganga Srinivasan" <ganga.srinivasan@ves.ac.in>
 Cc: shirish@arihantinnochem.com

Thu, Mar 28, 2019 at 11:21 AM

Dear Madam
 wrt trailing mail, plz do the needful.

Shirish, please note that Ganga Madam will give you names of interested students.

With warmest personal regards,

Rakesh R Somani, Ph D. (Cell No.: 09833771384)

Professor and Head,
 Department of Pharmaceutical Chemistry
 VES College of Pharmacy, Chembur, Mumbai-400074, INDIA.

 Glorious decade of academic excellence
 NIRF-2018 all India ranked in the band of 51- 75 among
 all pharmacy institutions
 *B Pharm program accredited by NBA 2015-19
 * VES-Scientific and Industrial Research Organization (SIRO) at DSIR
 Signatory of PRME, a United Nations initiative for sustainability"
 *AICTE =CII survey 2016 best industry linked institutions= platinum
 ranking

Follow us on:     

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

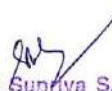
From: Shirish Sankpal <shirish@arihantinnochem.com>
 Date: Thu, Mar 28, 2019 at 11:19 AM
 Subject: University workshop at Shin-Etsu Lab, Mumbai
 To: <rakesh.somani@ves.ac.in>
 Cc: <chitra@arihantinnochem.com>, <jinesh@arihantinnochem.com>

Dear Sir,

Greetings from Arihant Innochem!!

As per our discussion,




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

Our Principal: Shinestu, Japan are proposing to organize a workshop for university students from Mumbai region. So may I request to nominate 2-3 students pursuing Ph.D or M.Pharm (if more, can also be accommodated)

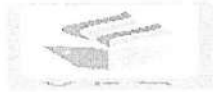
The workshop to be conducted will be of 2 days and mostly to be plan on 25th and 26th April 2019 at Thane application lab of Shinetsu. It will be a theory cum practical demonstration of Shinetsu excipient/polymer application.

The topics of workshop would be:

1. General overview of Shin-Etsu products with detailed discussion on Metolose and L-HPC

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Anand Chintakrindi <anand.chintakrindi@ves.ac.in>

Re: Open Day 2019: Thursday, 28th November 2019 - Afternoon Session

Chaitali Surve <chaitali.surve@ves.ac.in>

Wed, Nov 27, 2019 at 1:55 PM

To: Ojaswini Upasani <oupasani@actrec.gov.in>

Cc: Supriya Shidhaye <supriya.shidhaye@ves.ac.in>, Satish Munnolli <smunnolli@actrec.gov.in>, Security Department <security@actrec.gov.in>, Anand Chintakrindi <anand.chintakrindi@ves.ac.in>

Dear Madam,

I hereby confirm the participation from VES college of Pharmacy for the ACTREC open day on 28th November. However, due to some other professional commitments, I, Miss Chaitali Surve, Assistant Professor, VES College of Pharmacy will not be accompanying the students as faculty in-charge. Instead of me, Dr Anand Chintakrindi (marked in cc), Assistant Professor, VES College of Pharmacy will be accompanying the students as faculty in-charge.

Kindly note the same.

On Tue, Nov 26, 2019 at 12:40 PM Ojaswini Upasani <oupasani@actrec.gov.in> wrote:

November 25, 2019

ACTREC's Open Day 2019: Thursday 28th and Friday 29th November 2019


Dear HOD/ Faculty,

Thank you for your interest in participating in ACTREC's Open Day 2019. We are pleased to include your College in the schedule of visits.

Details of your College's visit to ACTREC

Batch B: Thu. 28th November 2019, Afternoon Session (Reach ACTREC by 1.30 pm; the visit will end by 4.45 pm).

B1	Oriental College of Pharmacy	Pharmacology (15)
B2	Sathaye College	Microbiology (15)
B3	VIVA College	Biotechnology (15)
B4	MD College	Zoology (15)
B5	Wilson College	Microbiology (15)
B6	Terna Medical College	Biochemistry (15)
B7	VES College of Pharmacy	Pharmaceutics (15)
B8	GN Khalsa College	Biotechnology (15)


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PRINCIPAL
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Chembur, Mumbai - 400 074.

- **Transport:** NMMT bus no. 52 or 55 from Belapur rly stn or bus no. 54 from Kharghar rly stn (frequency ~10 min) come to our campus (*map and directions attached*) - ask for the "Tata Hospital" stop. Bus travel time to our campus from Belapur station is around 22 minutes and from Kharghar station is around 15 minutes. Therefore do ensure that you reach either station well in time to reach our campus.
- **Entry into ACTREC:** Please enter the ACTREC campus together as a group, wearing your college identity cards. Carry a printout of this email. Proceed directly to the Poster display in the entrance foyer of Khanolkar Shodhika.
- **Refreshments:** Students and faculty are advised to carry drinking water with them. Refreshments will be available on payment basis at the Visitors Canteen (open door outside Paymaster Shodhika).

Details about the Open Day 2019 lab demonstrations will be uploaded on the ACTREC website shortly. The link is: <http://actrec.gov.in/OpenDay/QD2019.pdf>.

Please confirm about your visit and participation by replying to this email. For any clarifications, please revert back. In case you plan to cancel your visit for any reasons, please intimate us immediately to accommodate other colleges which are on wait list.

Thanks and Regards,



<https://mail.google.com/mail/u/3?ik=6b8c703f8a&view=pt&search=all&permmsgid=msg-f%3A1651342719371278078&simpl=msg-f%3A1651342719371278078> 1/2

12/09/2020


Welcome to Vivekanand Education Society Mail - Re: Open Day 2019: Thursday, 28th November 2019 - Afternoon Session

Dr. Satish Munnoli
OIC, SCOPE Cell

Regards,
Miss. Chaitali Surve
Assistant Professor
Vivekanand Education Society's College of Pharmacy
Hasha Advani Memorial Complex, Behind Collector Colony,
Chembur (E) Mumbai - 400 074.
Phone: 022 6114011-14
Email: chaitali.surve@ves.ac.in

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

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MANEESH PHARMACEUTICALS LTD.

Corporate Office : Plot No. 29-33,
Ancillary Industrial Plots, Govandi,
Mumbai, 400 043. INDIA.
Tel. No. : +91 22 2552 6500/ 6586
Fax No. : +91 22 2552 6530

Web : www.maneeshpharma.com
E mail : info@maneeshpharma.com
CIN No. U24230MH1985PLC036952

Factory : Plot No. 29-33 & 40, Ancillary Ind. Plots,
Govandi, Mumbai, 400 043, India.
Tel. Nos. : +91 22 2552 6599 / 6514 / 6545
Fax Nos. : +91 22 2552 6522

Dated : 13-03-2020

To,
The Principal,
VES College of Pharmacy.
Chembur, Mumbai-400071.

Sub : Request for Plant Visit email dated 4.3.2020, by Mr.Avinash Suryawanshi.

Ref:- Visit of F.Y.B.Pharm. Students Along with Mr.Avinash Suryawanshi and
Mrs.Rashmi Wani.

Respected Sir,

We hereby confirm and certify that **F.Y.B.Pharm Students of VES College of Pharmacy (33 nos)** along with faculty members Mr.Avinash Suryawanshi and Mrs.Rashmi Wani, have visited our plants at Plot no.29-33 & 40 on **Friday 13th March 2020.**

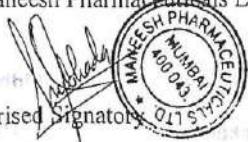
During their visit, our technical Staff have shown all aspects of Pharmaceutical Industry (Such as Manufacturing, Packing, Quality Control & Quality Assurance, etc.)
Following departments were visited by all the students present –


- 1). Tablet,
- 2). Capsules,
- 3). Dry Syrup,
- 4). Liquid,
- 5). Injection,
- 6). Ointment,
- 7). Soft gel,
- 8). Quality Control & Quality Assurance.

Short explanation of industrial work process were provided to them as a part of their course, which they are doing at your college.

Thanking you,
For Maneesh Pharmaceuticals Ltd.,

Authorised Signatory




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



Vivekanand Education Society's College of Pharmacy

(Sindhi Linguistic Minority, Approved by AICTE, DTE, Pharmacy Council of India & Govt. of Maharashtra, Affiliated to University of Mumbai)
B. Pharm. Programme is accredited by NBA, New Delhi, from 2016-17 to 2021-22

Prof. Supriya Shidhaye
M. Pharm., Ph.D. (Tech.)
Principal

Ref.No. VESCOP/OL/ 322 of 2020

Date :12/03/2020

To,
Plant manager
Maneesh Pharmaceuticals Ltd.
Govandi, Mumbai-400043

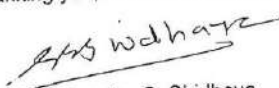
Subject: Permission to arrange a factory visit for our students and staff

Respected Sir/ Madam,

As part of educational tour to industry our students are very eager to visit your factory. The purpose of visiting the factory is to give an opportunity to broaden their learning beyond their syllabus with respect to aspect such as factory design, manufacturing processes, material management, quality control, packaging, etc. Likewise this will assist in correlating the theoretical aspects with the industrial applications.


We want to conduct this visit for our first year B. Pharm students. We request to grant permission for the same. We would be obliged to have a visit preferably on 13th march 2020. Our class strength is about 50 and the class would be accompanied by two faculty members.

Thanking you, with kind regards.


Dr. (Mrs.) Supriya S. Shidhaye
Principal

Class Coordinator: Mr. Avinash Suryawanshi
Mobile: 8898862836




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

Hashu Advani Memorial Complex, Behind Collectors Colony, Chembur, Mumbai - 400 074. INDIA. | Tel.: +91 22 6114 4144
Fax : +91 22 2554 3925 | Email: vespharm@yahoo.co.in / vescop@gmail.com • Website : www.ves.ac.in/Pharmacy

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VES COLLEGE OF PHARMACY
HASHU ADVANI MEMORIAL COMPLEX, BEHIND COLLECTOR COLONY, CHEMBUR (E), MUMBAI 400074

Attendance for Industrial Visit Details of First Year B. Pharm Students
 Date: 13th April, 2020

(15/4/20)

SR. NO.	CANDIDATE NAME	MOBILE NUMBER	SIGNATURE
1.	ANURADHA SUHAS BADADE	9702144039	
2.	SUPRITA PRASANNA BHIDE	9967493245	
3.	RUKIYAH KAIID BUNDIWALA	6369299158	
4.	BINEESH BALAKRISHNAN CHOORAKKATT	8652243646	<i>(Signature)</i>
5.	SHRUTIKA SHAILESH DATE	9869511660	
6.	ANJALI DYANESHWAR DIGHE	8169079671	<i>Dighe</i>
7.	SRUSHTI PANKAJ DIKSHIT	9421671578	<i>Dikshit</i>
8.	NAMITA VILAS DOKE	8169473512	<i>Dante</i>
9.	GERARD EDWIN FERNANDES	7045650190	<i>Fernandes</i>
10.	SELVA MALAVIKA ANTHONY PETER FERNANDO	9004600175	<i>Selva</i>
11.	SHREAYA HITESHKUMAR GADDOYA	8169755585	<i>Shreaya</i>
12.	DHANASHREE HANMANT GAIKWAD	9653413302	<i>Dhanashree</i>
13.	SAMRUDDHI SANTOSH GHORPADE	7977963176	<i>Ghorpade</i>
14.	ANIKET PREMCHAND GUPTA	7021242485	<i>Aniket</i>
15.	MANSI SHANKAR GURAV	9082113854	<i>Mansi</i>
16.	SIDDHESH DHANANJAY HATLE	8291389133	
17.	ISHAN SHRINIVAS SHET HONAVARKAR	7738766404	
18.	KUNAL LALIT JAIN	7400362511	<i>Kunal</i>
19.	ROSHNI SUSHIL JAISWAL	8433505787	<i>Roshni</i>
20.	MANSI SHRIPAT JHA	7039088663	<i>Mansi</i>
21.	MRUNMAY SHIRISH JOSHI	9168781291	<i>Mrunmay</i>
22.	RUTURAJ ABHIJEET KOLPE	9373402274	
23.	SANDALI SAMEER MALANDKAR	8779869473	
24.	JANHAVI KRISHNA PAKALE	9619744218	<i>Janhavi</i>
25.	TANVI MILIND PANSARE	8097029121	
26.	PRATHAM ASHIT PATEL	8779988482	<i>Pratham</i>
27.	SANGITA JEEVRAJ PATEL	9892439405	
28.	CHINMAY GANESH PHATAK	8169972702	<i>Chinmay</i>
29.	SNEHA SAJEENDRAN PILLAI	8926631482	<i>Sneha</i>
30.	SAMIKSHA SANJAY PUJARE	8879465967	
31.	PAVITRA ARAVIND PULI	9920426863	<i>Pavitra</i>
32.	RAJPREET KAUR BHAGWAN SINGH BUTTAR	7045510121	<i>Rajpreet</i>



Dr. (Mrs.) Supriya S. Shidhaye
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33.	SALONI ANIL RANE	9082457905	Saloni
34.	DHRUMIL ANIL RATHOD	9321142001	Dhrumil
35.	SAHIL GIRISH SANKULKAR	8082600819	Sahil
36.	TANUSHREE SANJAY SAWANT	9920910575	
37.	SANSKRUTI UMESH SHARMA	9137760325	
38.	CHAITRALI NARENDRA SHETKAR	9869358603	Chaitrali
39.	SAKSHI RAVINDRA SHIRASKAR	9545323153	Sakshi
40.	NAMRATA SHANKAR SHIVANKAR	09082453979	Namrata
41.	TANVI NITIN SHIVNEKAR	8850271870	
42.	KRIKA RAJESH SHRIVASTAVA	9082883407	Kritika
43.	SUNDARAM ANIL SHUKLA	9137943490	
44.	AKANKSHA MALLESH SOMAN	9137027046	Aakanksha
45.	UPASANA CHANDRAMOHAN TIWARI	9819971088	Upasana
46.	AMISHA RAJENDRA UNDAVIA	9930673601	
47.	SANGEETHA KUTHALINGAM VELAR	9372930498	Sangeetha
48.	AAYUSHI SUNIL DUMBRE	9324238606	Aayushida
49.	GANESH VASANTRAO NILAKH	7507568276	ganesh
50.	SHUBHAM PRAKASH KAWALE	8355964672	

Mrs. Rashmi Wani 9833608586
Mr. Avinash Suryawankhi 8898862836

A



MM

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

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

VES COLLEGE OF PHARMACY

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

Industrial Visit Report A.Y 2019-20

INDUSTRIAL VISIT COMMITTEE

Details of activity:

Name of the Activity	Visit to ACTREC		
Day, Date	Thursday 28/11/2019	Department/ Committee/Fac ulty	
Venue		Time	
Nature of activity	Field work	Total no. of participants	14

Activity Information:

Objectives	1. Visit to a research organization 2. to understand the research process
Outcomes	The activity correlated to courses Pharmaceutics, Medicinal Chemistry and Pharmacology Students were be able to <ol style="list-style-type: none"> 1. Understand the functioning of a research centre 2. See research demonstrations 3. Learn the concept of scientific data and data analysis 4. Visualize the application of theoretical knowledge and helped in experiential learning about radio pharmaceuticals and cancer research

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>Anand Chintakrindi</i> Dr. Anand Chintakrindi	<i>Rajashree Hirlekar</i> Dr. Rajashree Hirlekar
Name & Signature of Coordinator	Name & Signature of IQAC Coordinator

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



VES COLLEGE OF PHARMACY

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

ATENDANCE SHEET

Following Students/Faculty Attended

Sr. No	Name	Designation / Class
1.	Dr. Anand Chintakrindi	Faculty Member
2.	Sachin Yadav	Student
3.	Shivangi Sawant	Student
4.	Khsitija Phatak	Student
5.	Sanket Mohta	Student
6.	Kanchan Dodani	Student
7.	Neelam Pandey	Student
8.	Pradnya Shetty	Student
9.	Parth Mehta	Student
10.	Sheikha Derja	Student
11.	Yash Gada	Student
12.	Omkar Parab	Student
13.	Haabil Hirkani	Student
14.	Sushmita Nichal	Student

Submitted by

Chintakrindi

Dr. Anand Chintakrindi

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



Email address	Score	Name of the student	Roll No. (Please enter 5 d Class	Division	Please click a selfie and u
chavan.aishwarya@ves.ac.in		Aishwarya Chavan	55420 T. Y. B. Pharm.	B	https://drive.google.com/o
chanchlani.vanshika@ves.ac.in		Chanchlani Vanshika Mat	55320 T. Y. B. Pharm.	B	https://drive.google.com/o
salunkhe.omkar@ves.ac.in		Omkar Salunkhe	59220 T. Y. B. Pharm.	B	https://drive.google.com/o
lakhpatiani.jayesh@ves.ac.in		Jayesh Rajesh Lakhpatia	58920 T. Y. B. Pharm.	B	https://drive.google.com/o
colaco.malaika@ves.ac.in		Colaco Malaika	55620 T. Y. B. Pharm.	B	https://drive.google.com/o
pranati.satyanarayana@ves.ac.in		Pranati Satyanarayana Ei	57720 T. Y. B. Pharm.	B	https://drive.google.com/o
patil.shruti@ves.ac.in		Shruti Naresh Patil	52620 T. Y. B. Pharm.	A	https://drive.google.com/o
khan.muzzammil@ves.ac.in		Muzzammil Khan	56420 T. Y. B. Pharm.	B	https://drive.google.com/o
yamgar.shubhangi@ves.ac.in		Shubhangi Maruti Yamga	54220 T. Y. B. Pharm.	A	https://drive.google.com/o
rai.ankita@ves.ac.in		Ankita Rai	53220 T. Y. B. Pharm.	A	https://drive.google.com/o
darisipudi.satyavaty@ves.ac.in		Darisipudi Satyavaty	50620 T. Y. B. Pharm.	A	https://drive.google.com/o
pal.nistha@ves.ac.in		Nistha Mahesh Pal	59120 T. Y. B. Pharm.	B	https://drive.google.com/o
renugadevi.poovarajan@ves.ac.in		Renugadevi Poovarajan	53420 T. Y. B. Pharm.	A	https://drive.google.com/o
ruchi.bhosale@ves.ac.in		Ruchi bhosale	58020 T. Y. B. Pharm.	B	https://drive.google.com/o
bhanushali.nidhee@ves.ac.in		Nidhee Bhanushali	55220 T. Y. B. Pharm.	B	https://drive.google.com/o
kadu.archit@ves.ac.in		Archit Kadu	58220 T. Y. B. Pharm.	B	https://drive.google.com/o

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



Email address	Score	Name of the student	Roll No. (Please enter 5 d	Class	Division	Please click a selfie and u
patil.malhar@ves.ac.in		MALHAR PATIL	52520	T. Y. B. Pharm.	A	https://drive.google.com/o
lad.hitesh@ves.ac.in		Hitesh Lad	56820	T. Y. B. Pharm.	B	https://drive.google.com/o
poojari.rakshit@ves.ac.in		Rakshit Poojari	57620	T. Y. B. Pharm.	B	https://drive.google.com/o
sakshi.mukesh@ves.ac.in		Sakshi Kataria	53520	T. Y. B. Pharm.	A	https://drive.google.com/o
talreja.karishma@ves.ac.in		Karishma Talreja	59820	T. Y. B. Pharm.	B	https://drive.google.com/o
patil.sakshi@ves.ac.in		Sakshi Patil	57320	T. Y. B. Pharm.	B	https://drive.google.com/o
pansare.siddhesh@ves.ac.in		Siddhesh Mohan Pansare	57220	T. Y. B. Pharm.	B	https://drive.google.com/o
samal.vidya@ves.ac.in		Samal Vidya Ramesh	58120	T. Y. B. Pharm.	B	https://drive.google.com/o
punjabi.simran@ves.ac.in		Simran S Punjabi	53020	T. Y. B. Pharm.	A	https://drive.google.com/o
sonar.sarita@ves.ac.in		Sarita Sonar	58320	T. Y. B. Pharm.	B	https://drive.google.com/o
rajput.ria@ves.ac.in		RIA RAJPUT	57820	T. Y. B. Pharm.	B	https://drive.google.com/o
sawant.manasi@ves.ac.in		Manasi Sawant	58220	T. Y. B. Pharm.	B	https://drive.google.com/o
desai.sarvesh@ves.ac.in		Sarvesh Desai	55720	T. Y. B. Pharm.	B	https://drive.google.com/o
mandlik.ankita@ves.ac.in		Ankita Nitin Mandlik	59020	T. Y. B. Pharm.	B	https://drive.google.com/o
ghadi.shambhavi@ves.ac.in		Shambhavi Ghadi	55920	T. Y. B. Pharm.	B	https://drive.google.com/o
thakur.ambika@ves.ac.in		Ambika Thakur	54020	T. Y. B. Pharm.	A	https://drive.google.com/o
maindan.saloni@ves.ac.in		Saloni Maindan	56920	T. Y. B. Pharm.	B	https://drive.google.com/o
trivedi.vrushli@ves.ac.in		Vrushli Trivedi	58520	T. Y. B. Pharm.	B	https://drive.google.com/o
arondekar.dishank@ves.ac.in		Dishank Arondekar	55020	T. Y. B. Pharm.	B	https://drive.google.com/o
gomase.seema@ves.ac.in		Seema gomase.	58820	T. Y. B. Pharm.	B	https://drive.google.com/o
shemna.kashish@ves.ac.in		Shemna kashish m. Gaus	53720	T. Y. B. Pharm.	A	https://drive.google.com/o
merin.kuriakose@ves.ac.in		Merin Kuriakose	57020	T. Y. B. Pharm.	B	https://drive.google.com/o
kulkarni.shruti@ves.ac.in		Shruti Gajanan Kulkarni	56720	T. Y. B. Pharm.	B	https://drive.google.com/o
indalkar.akshada@ves.ac.in		Akshada Manik Indalkar	56120	T. Y. B. Pharm.	B	https://drive.google.com/o
salunkhe.chaitali@ves.ac.in		Chaitali Chandrakant Sal	59620	T. Y. B. Pharm.	B	https://drive.google.com/o
parab.manasi@ves.ac.in		Manasi Anant Parab	52320	T. Y. B. Pharm.	A	https://drive.google.com/o
koli.dhanashree@ves.ac.in		Dhanashree Koli	56620	T. Y. B. Pharm.	B	https://drive.google.com/o
shinde.shruti@ves.ac.in		Shruti Ashok shinde	59320	T. Y. B. Pharm.	B	https://drive.google.com/o
patil.yukta@ves.ac.in		Yukta Patil	57720	T. Y. B. Pharm.	A	https://drive.google.com/o
khuspe.hrituja@ves.ac.in		Hrituja	56520	T. Y. B. Pharm.	B	https://drive.google.com/o
paradkar.sumeet@ves.ac.in		Sumeet Paradkar	52420	T. Y. B. Pharm.	A	https://drive.google.com/o




Dr. (Mrs.) Supriya S. Shidhi
 PRINCIPAL
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 College of Pharmacy
 HAMC, Bahadur Collector Colony,
 Chembur, Mumbai - 400 074.

APTAR PHARMA INDUSTRIAL VISIT 2019 (Mpharm QA)

SR.NO	NAME	SIGN
1	ASWATHI PETER	<i>Aswathi Peter</i>
2	AISHVI BAJPAI	<i>Aishvi Bajpai</i>
3	PAYAL CHOUDHARY	<i>Payal Choudhary</i>
4	SONALI DANGAT	<i>Sonali Dangat</i>
5	PALAK KARIA	<i>Palak Karia</i>
6	SANIKA KUVESKAR	<i>Sonika Kuveskar</i>
7	MILONI LALKA	<i>Miloni Lalka</i>
8	SONALI PADEKAR	<i>Sonali Padekar</i>
9	BHAIRAVI PATANKAR	<i>Bhairavi Patankar</i>
10	PIYUSH PATIL	<i>Piyush Patil</i>
11	SHIVANI SHELKE	<i>Shivani Shelke</i>
12	JUEELI SHIRISKAR	<i>Jueeli Shiriskar</i>
13	MANASI SUTAR	<i>Manasi Sutkar</i>



SS
Dr. (Mrs.) Supriya S. Shidhaye
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College of Pharmacy
HAMC, Behind Collector Colony,
Chembur, Mumbai - 400 074.

8/14/2020

Welcome to Vivekanand Education Society Mail - Re: request for visit to your facility



Harsha Kathpalia <harsha.kathpalia@ves.ac.in>

Re: request for visit to your facility

1 message

Harsha Kathpalia <harsha.kathpalia@ves.ac.in>
To: "Suryawanshi, Satish" <satish.suryawanshi@aptar.com>
Cc: Rajashree Hirlekar <rajashree.hirlekar@ves.ac.in>

Tue, Oct 8, 2019 at 3:31 PM

Dear Sir,

Thank you very much for your kind approval for our visit to your company. Around 18 of us (including 2 teachers) will visit there tomorrow at 3 pm.

Best Regards,

Mrs. Harsha Kathpalia
Mob. No. 9220450867
Assistant Professor
Department of Pharmaceutics,
VES College of Pharmacy,
Behind Collectors Colony,
Chembur,
Mumbai-400074

On Mon, Oct 7, 2019 at 5:30 PM Suryawanshi, Satish <satish.suryawanshi@aptar.com> wrote:

Dear Mrs. Harsha

I was supposed to out from Mumbai but the plan is cancelled. If you wish you can still visit on 9th or else in next week.

Best regards


Satish

Satish Suryawanshi Senior Manager Manufacturing
Aptar Pharma
R-854, TTC Industrial Estate, Thane Belapur Road, Rabale, Mumbai, Maharashtra 400701 India
(phone) +91 22 6195 1903 | (mobile) +91 9820654073
satish.suryawanshi@aptar.com | www.aptar.com

AptarOnline@aptar.com

From: Harsha Kathpalia <harsha.kathpalia@ves.ac.in>
Sent: Thursday, October 3, 2019 6:32 PM
To: Suryawanshi, Satish <satish.suryawanshi@aptar.com>
Subject: Re: request for visit to your facility




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

<https://mail.google.com/mail/u/0?ik=abcb8ad0e9&view=pt&search=all&permthid=thread-a%3Ar6598709196898806838%7Cmsg-a%3Ar4966564...> 1/4

Created by 2JPEG | www.2jpeg.com

9/23/21, 7:32 PM

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

Get Outlook for Android

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=VUITS1dSSDJoMnBYa0lMTjdTbWU3QT09>

Meeting ID: 932 0962 8748

Passcode: 612095



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

<https://mail.google.com/mail/u/2?ik=b719751a71&view=pt&search=all&permthid=thread-f%3A1703274750483639422&siml=msg-f%3A1703274...> 1/3

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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 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

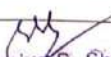
Activity Information:

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 <ol style="list-style-type: none"> 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):

<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

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


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



9/23/21, 7:32 PM

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>
To: aparna palshetkar <aparna.palshetkar@ves.ac.in>
Cc: Kartik Pandian <kartik.pandian@acg-world.com>, Yogesh Wadhavane <yogesh.wadhavane@acg-world.com>

Tue, Jun 22, 2021 at 7:12 PM

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

Get Outlook for Android

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 !

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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=VUJlTS1dSSdJbMnBYa0lMTjdT5lWU3QT09>

Meeting ID: 932 0962 8748

Passcode: 612095



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

<https://mail.google.com/mail/u/2?ik=b719751a71&view=pt&search=all&permthid=thread-f63A1703274750483639422&siml=msg-f63A1703274...> 1/3

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9/23/21, 7:32 PM Welcome to Vivekanand Education Society Mail - Fwd: Webinar on "Insights in ACG Technology" for the VES College of Pha...

One tap mobile

+13126266799,,93209628748#,,,,*612095# US (Chicago)

+13462487799,,93209628748#,,,,*612095# US (Houston)

Dial by your location

+1 312 626 6799 US (Chicago)

+1 346 248 7799 US (Houston)

+1 646 558 8656 US (New York)

+1 669 900 9128 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 301 715 8592 US (Washington DC)

Meeting ID: 932 0962 8748

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>

[Quoted text hidden]

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).

[Quoted text hidden]

[Quoted text hidden]

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

9/23/21, 7:32 PM

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

Wed, Jun 23, 2021 at 10:00 AM

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

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, Naxos Point, Mumbai

Cell: 91-750000938 | Phone :02250961450

leena.amanna@acg-world.com | www.acg-world.com



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

CAUTION: This message was sent from outside of the company. Please do not click links or open attachments unless you recognize the source of this email and know the content is safe.

[Quoted text hidden]

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

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VES COLLEGE OF PHARMACY

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

REPORT
ON
INDUSTRIAL VISIT
TO
ACG

ACG

PHARMA MANUFACTURING
SOLUTIONS COMPANY
AT **VES COLLEGE OF
PHARMACY, CHEMBUR**

ON

24TH JUNE 2021

V.E.S.

Since 1962

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

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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:-

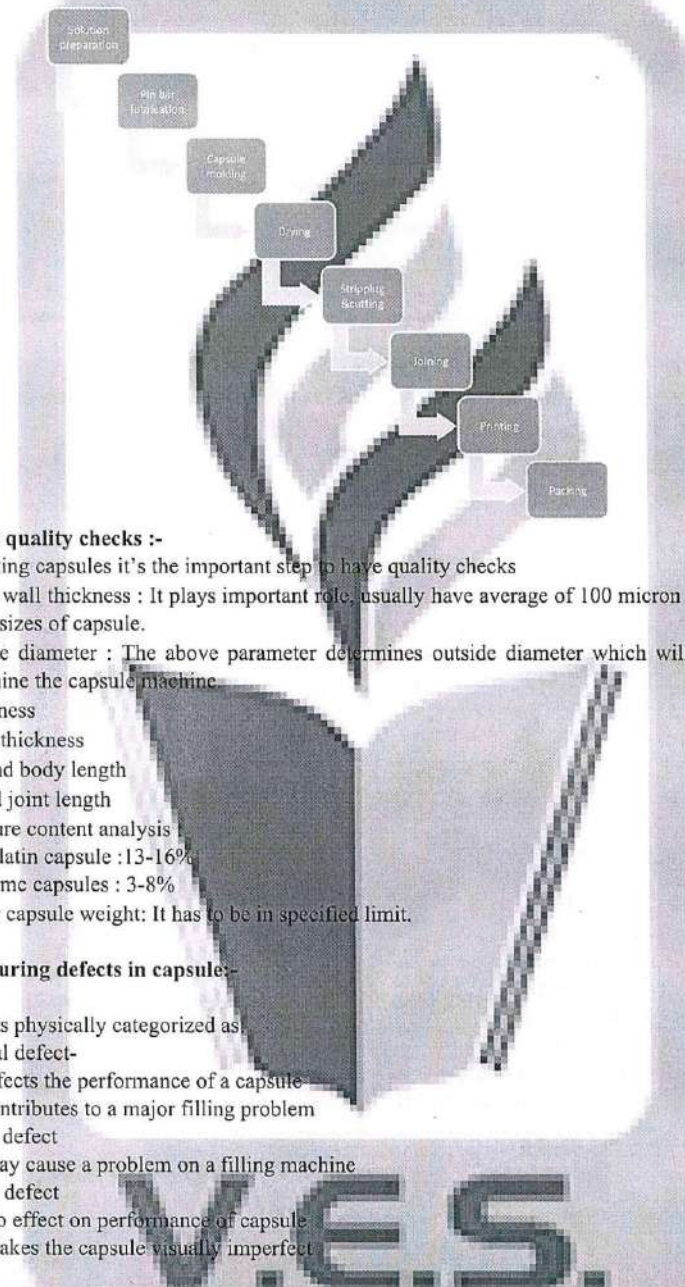
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In process quality checks :-

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

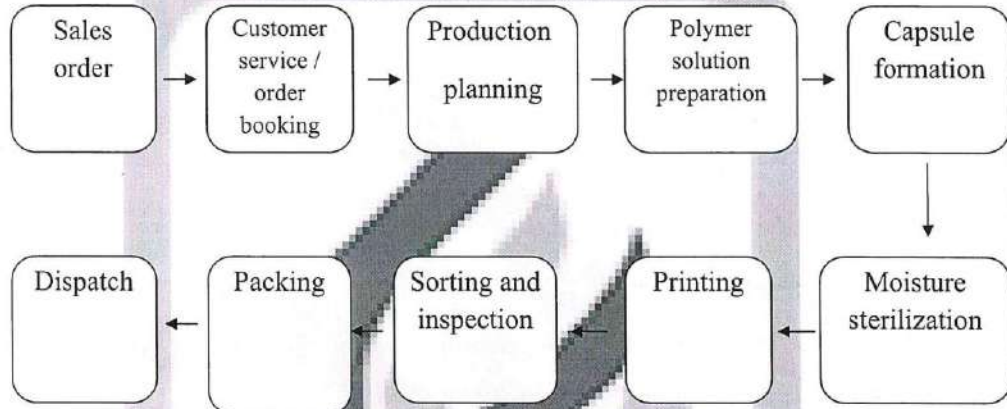
Process flow of development :-

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PACKING :

Primary - food grade multi layer co-extruded poly bag

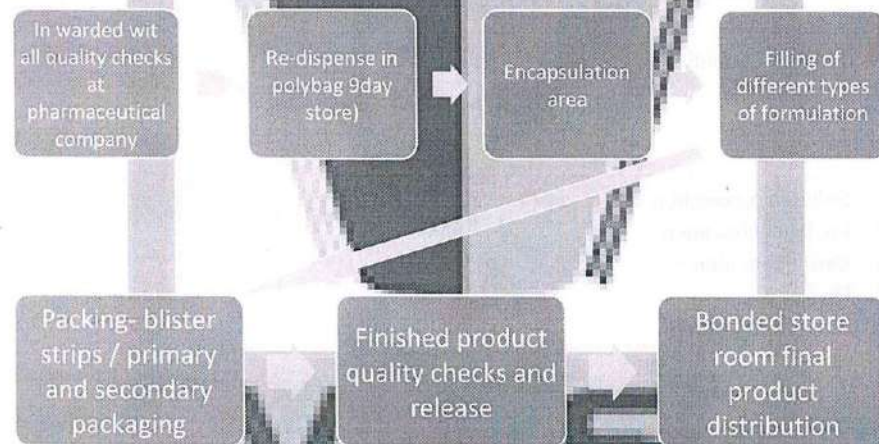
Secondary - corrugated cartons or may change depending upon the customer need.

STORAGE :

Temperature - 15C 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)

IPQC:

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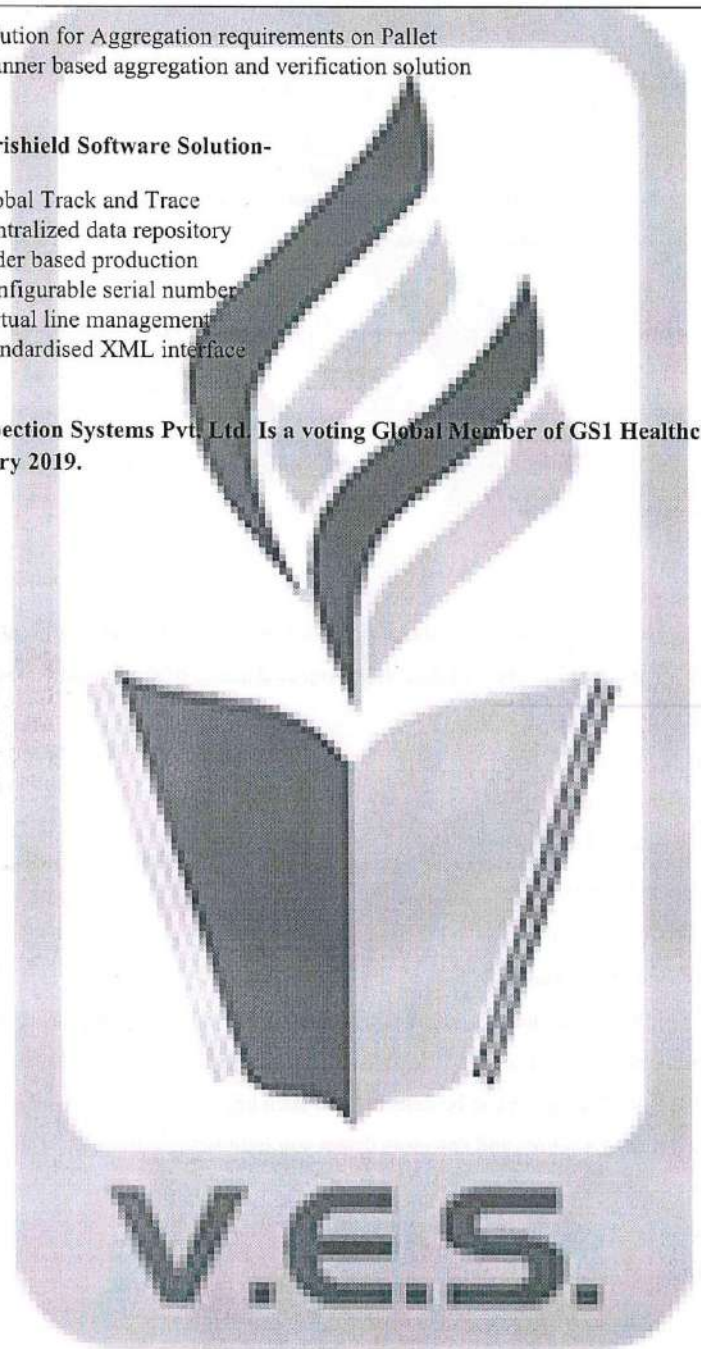
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- Solution for Aggregation requirements on Pallet
- Scanner based aggregation and verification solution

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, featuring a stylized 'V' and 'S' with 'E.S.' in the middle, all within a shield-like shape.

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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 in 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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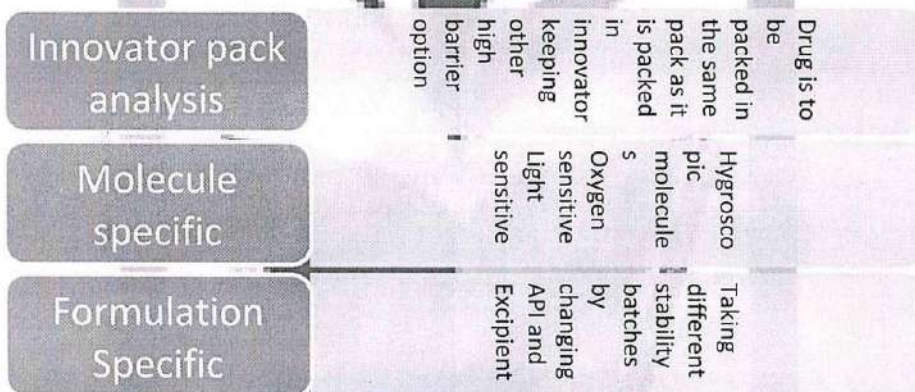
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Selection of packaging:

- 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
		PP
PVC / EVOH / Aclar		
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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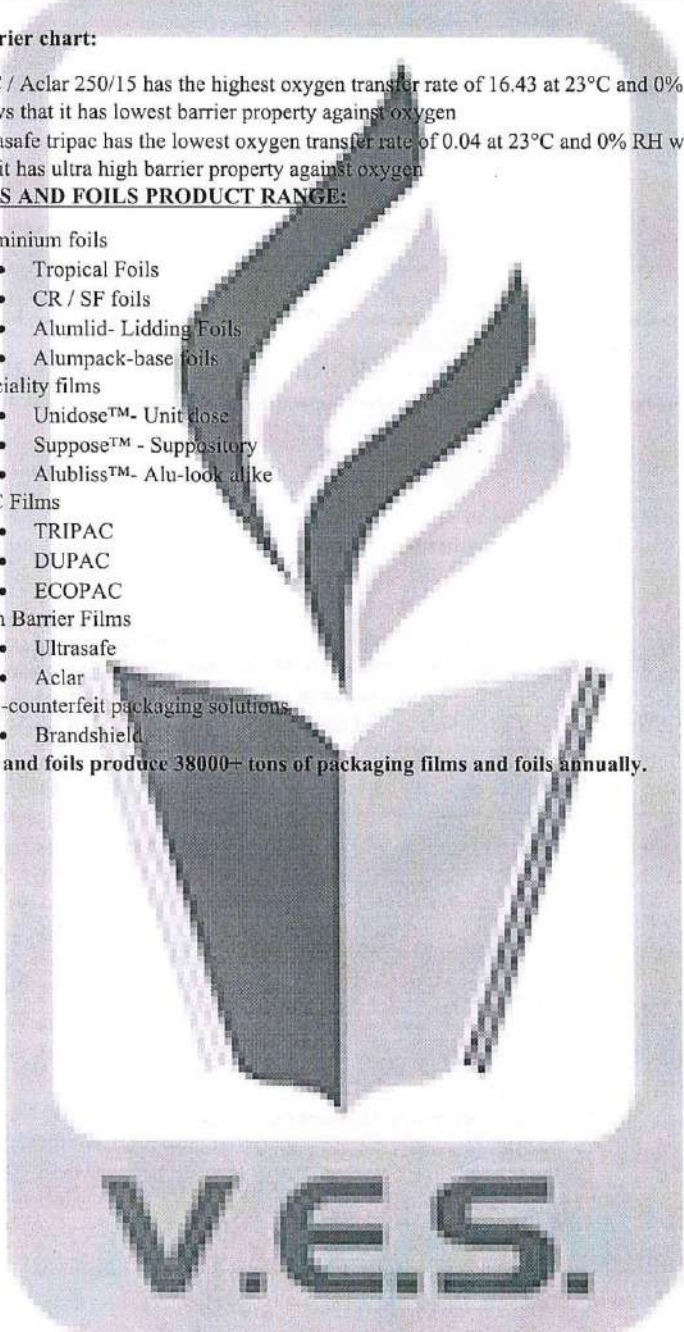
Oxygen barrier chart:

- 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-lock 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.



V.E.S.

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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

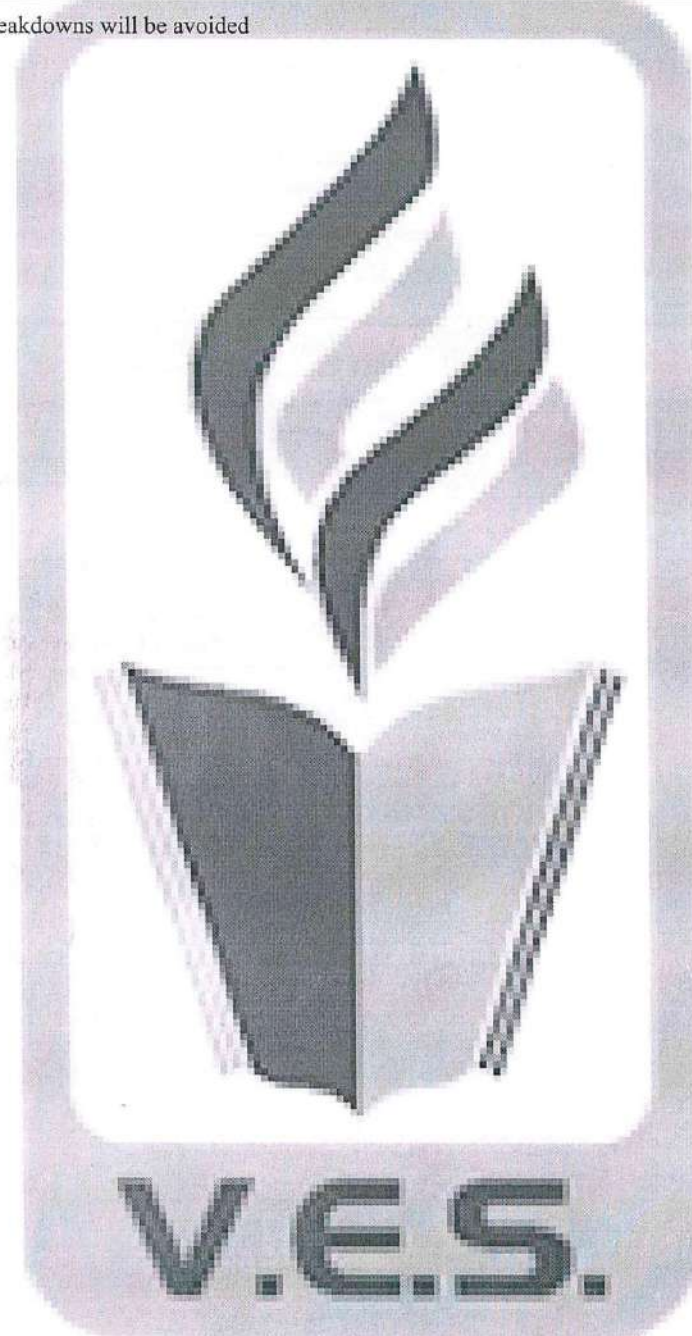
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3. Breakdowns will be avoided



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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

Mamta

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 HAMC, Hamc
 Chemical, Mumbai-400 074

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=1t7KdVQxvKL7vuJcAI4u2nJOf1YnC9zGx	

Dr. (Mrs.) Sushila Shidhaye

Dr.
Mrs. Rashmi Wani
(SY class Coordinator)



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Chembur, Mumbai - 400 074.

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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@ves.a	Meghraj balotiya	A	5	https://drive.google.com/open?id=105vZvv5ZOjxKZMaYkkzkIKNf9xIGKHk
6/24/2021 15:12:16	chaurasiya.anjali.bp2020@ves.a	Anjali Anil Chaurasiya	A	10	https://drive.google.com/open?id=1LP72kveQNpZ_vNHR1liEo_8Zjk14-eCw
6/24/2021 17:03:48	chaurasiya.anjali.bp2020@ves.a	Anjali Anil Chaurasiya	A	10	https://drive.google.com/open?id=1VveO3Njml_rnhDJKITv_VqyvhTJ0cVg59
6/24/2021 15:10:54	gawade.nidhi.bp2020@ves.a	Nidhi Arvind Gawade	A	12	https://drive.google.com/open?id=1_BVc-xlApl_EWSQxAuqqlFz89ZfgMGB
6/24/2021 17:00:04	gawade.nidhi.bp2020@ves.a	Nidhi Arvind Gawade	A	12	https://drive.google.com/open?id=1F6lXvVpvSGQ6FpR5yGXpeD1cYuvir5Nd
6/24/2021 17:01:12	gupta.harınath.bp2020@ves.a	GUPTA HARINATH VISHA	A	14	https://drive.google.com/open?id=11HcNhzlGpID_v0V8gKkxzQWHaUuvqvdKS
6/24/2021 15:08:57	indulkar.sanika.bp2020@ves.a	Sanika indulkar	A	16	https://drive.google.com/open?id=18PIEYgN6hEzQi5QSHWxQF1huFpioJ9
6/24/2021 16:21:20	indulkar.sanika.bp2020@ves.a	Sanika indulkar	A	16	https://drive.google.com/open?id=1RjhXMP48FLiHxLhldCd6Yxw7IYlllSyX
6/24/2021 15:08:04	jain.darsh.bp2020@ves.a	Darsh Nirmal Jain	A	18	https://drive.google.com/open?id=1uO:90UNTDEazT2VHYm1_dPjHJf0vk8y
6/24/2021 17:08:58	jain.darsh.bp2020@ves.a	Darsh Nirmal Jain	A	18	https://drive.google.com/open?id=1Rlg24-LOTVjAmsh1EVQlCm5qvT5U187L
6/24/2021 15:08:54	jain.kashish.bp2020@ves.a	Jain Kashish	A	19	https://drive.google.com/open?id=1YQhRAU9WuufzGG34g1PEOZHlzLFRl-S
6/24/2021 17:07:38	jain.kashish.bp2020@ves.a	Jain Kashish	A	19	https://drive.google.com/open?id=1AqevkYwCUUpJM335TaF-fuwlMthBnORkD
6/24/2021 15:05:22	kahar.pragya.bp2020@ves.a	Pragya Kahar	A	20	https://drive.google.com/open?id=1r_jht_Rv_UApY4T0Q-fzGvKvAjmLTY8d
6/24/2021 16:06:49	kahar.pragya.bp2020@ves.a	Pragya Kahar	A	20	https://drive.google.com/open?id=1ej4T7ezQJ2BmeFNJh7cl4PUC8KL_b
6/24/2021 15:20:32	kakade.dhanashri.bp2020@ves.a	Kakade Dhanashri Balasa	A	21	https://drive.google.com/open?id=1qHrxwcz7a3Nxm_UVsxAKwJXFb01WYcoK
6/24/2021 17:00:54	kakade.dhanashri.bp2020@ves.a	Kakade Dhanashri Balasa	A	21	https://drive.google.com/open?id=1klXrmuSDWN0CJPWL5RshqOir-o3yQok1
6/24/2021 15:07:01	khedkar.pratiksha.bp2020@ves.a	Khedkar Pratiksha Pandu	A	22	https://drive.google.com/open?id=1yJCHUGo3wVivi51eVpl_QbPvivi3u95g
6/24/2021 17:00:05	kudterkar.abhidnya.bp2020@ves.a	Abhidnya D Kudterkar	A	23	https://drive.google.com/open?id=1Ql4kE64N47hzcCDsL51XKhUI49W7ycY
6/24/2021 17:02:18	kudterkar.abhidnya.bp2020@ves.a	Abhidnya Kudterkar	A	23	https://drive.google.com/open?id=10UjvDADrdtcMOWfeDNWPu7mwJnTHX-Q
6/24/2021 15:14:24	mane.siddhi.bp2020@ves.a	Siddhi Mane	A	24	https://drive.google.com/open?id=1zLloVPulb19GgKc7m62ed5lvm68m2vz5
6/24/2021 16:12:43	mane.siddhi.bp2020@ves.a	Siddhi Mane	A	24	https://drive.google.com/open?id=1a4uu_5rDb1RcU70m9xqORpyOComkCldg
6/24/2021 16:16:24	mane.siddhi.bp2020@ves.a	Siddhi Mane	A	24	https://drive.google.com/open?id=1HMY2JpG43gIG-ZYVzVLaH3xJVq_0r0jo
6/24/2021 15:06:04	parab.kishori.bp2020@ves.a	PARAB KISHORI RAVINE	A	26	https://drive.google.com/open?id=1fo11NSxXeissY1WUJ1f1Hamstpxq57fM
6/24/2021 16:16:50	parab.kishori.bp2020@ves.a	PARAB KISHORI RAVINE	A	26	https://drive.google.com/open?id=16-VfjEZAvRhSiZsIFKU9srXBI0-AX6V
6/24/2021 15:10:44	patel.anurag.bp2020@ves.a	Anurag Patel	A	27	https://drive.google.com/open?id=1noGP6UOP6E4sRK522aCslHBeyRCnRnMY
6/24/2021 16:14:27	patel.anurag.bp2020@ves.a	Anurag Patel	A	27	https://drive.google.com/open?id=1tag-dGo-Ge9e_XC8jdo36kBeEJ0QJP7X
6/24/2021 16:15:35	patel.anurag.bp2020@ves.a	Anurag Patel	A	27	https://drive.google.com/open?id=1nvsFXG9vlnb8luGX-Cp3OK7zR2p_uVRW
6/24/2021 16:59:19	patel.anurag.bp2020@ves.a	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=10Mgil_XbAwEvN8nvafOZ7Xm7Rv123B
6/24/2021 16:19:07	patel.heet.bp2020@ves.a	Patel Heet Dhanji	A	28	https://drive.google.com/open?id=18Y3G_bHSPQ6-RS74SH0brVILYkNlUJz
6/24/2021 15:08:34	patil.chinmaya.bp2020@ves.a	Chinmaya Patil	A	30	https://drive.google.com/open?id=1utRWhegdWaF1x_cj3YPPExsHtY4rrAnh
6/24/2021 16:58:14	patil.chinmaya.bp2020@ves.a	Chinmaya Patil	A	30	https://drive.google.com/open?id=1GqivwYScXfWxCyFATbtGuyYNdVa80FI
6/24/2021 15:08:19	patil.gaurav.bp2020@ves.a	Gaurav sudam patil	A	31	https://drive.google.com/open?id=1IWgVuSMj9vmTcUz6d4CNeDp3zblneT0p
6/24/2021 16:18:24	patil.gaurav.bp2020@ves.a	Gaurav patil	A	31	https://drive.google.com/open?id=1MY3x3cdDLGISVl_6eu9hEA_Q1KMRy_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
6/24/2021 15:10:14	patil.lekha.bp2020@ves.e	Lekha Patil	A	32	https://drive.google.com/open?id=1hhA2f2J2TSVikPY4S5pMBIFNaa-fenxo
6/24/2021 16:16:33	patil.lekha.bp2020@ves.e	Lekha Patil	A	32	https://drive.google.com/open?id=1gdqDjn8dgTWljNIRaF8IMThFNhO_n5rY
6/24/2021 15:11:04	patil.mayur.bp2020@ves.	Mayur Chunilal Patil	A	33	https://drive.google.com/open?id=1pePfl_73Ds3YitYDA-TIEpIQqSf4F6SC
6/24/2021 16:58:45	patil.mayur.bp2020@ves.	Mayur Chunilal Patil	A	33	https://drive.google.com/open?id=1C7rx5KvSDdGQ2bed2dmoUU9IDvvy4xly9
6/24/2021 15:16:30	pillai.shrutika.bp2020@ve	Shrutika Pillai	A	35	https://drive.google.com/open?id=1L FaCN89vSsMebAlxZiIPXm-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=1CikIjUFLm8lFQAQjYfp2fmV-Q2xQ
6/24/2021 15:09:39	puthran.rishit.bp2020@ve	Rishit Dilip Puthran	A	37	https://drive.google.com/open?id=1fnBAswXl32AR0-B5b19emfe-IWnJyYp
6/24/2021 16:08:05	puthran.rishit.bp2020@ve	Rishit Dilip Puthran	A	37	https://drive.google.com/open?id=1sEUycXDSIB5rQL9oKEkpn08SliA_l6
6/24/2021 15:47:20	rao.apoorva.bp2020@ves	APOORVA RAO	A	38	https://drive.google.com/open?id=1ZTJYjG1XbAuedwBKfID3gSgLv4bEHdMh
6/24/2021 16:07:50	rao.apoorva.bp2020@ves	Apoorva Rao	A	38	https://drive.google.com/open?id=1oLlBXSdSoNkYQU474Gr2JURY6NqAY_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=1cniGoxj7o6-JiRT-KJ4-gkWpInjX-6Hq
6/24/2021 16:21:22	sahita.rishabh.bp2020@v	Sahita Rishabh Tarun	A	40	https://drive.google.com/open?id=1C0UE1e8gN2og0oNBZWw97r7sPYPPFOQf
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-MSDmf4BxwW_Wvy2rXEQnLYLNfE7
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=17g44NVhwnJg-S2OMb9M5XYaDzt1tqJ51
6/24/2021 17:02:37	gurleen.kaur.bp2020@ve	Gurleen kaur sethi	A	45	https://drive.google.com/open?id=1CDjyp0vhONZGK7g4NxHHqWgBbifdKTh
6/24/2021 15:07:53	sharma.ekta.bp2020@ve	Ekta sharma	A	46	https://drive.google.com/open?id=1E9nWvNAhsdmXKwJEZ4yqjE TK0DOScoR
6/24/2021 17:19:27	sharma.ekta.bp2020@ve	Ekta sharma	A	46	https://drive.google.com/open?id=1ROSZpV9ERPhuJRCXyAWU8vLzhlrHCaCo
6/24/2021 15:13:16	shemadkar.pranit.bp2020	Pranit Shemadkar	A	47	https://drive.google.com/open?id=1iSx_xzmx5NYM2W1W3FPZMMERzau1DU8
6/24/2021 16:17:07	shemadkar.pranit.bp2020	Pranit Shemadkar	A	47	https://drive.google.com/open?id=1oJmYZ_SyCl2Pedisb_BIQ-illZRTbQm5
6/24/2021 16:16:45	shinde.akanksha.bp2020	AKANKSHA ASHOK SHIN	A	48	https://drive.google.com/open?id=1_EEtW3lBfE1b2-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-zVQ3j8wfrJu_M-6ERiPEHqBDvA
6/24/2021 15:50:23	sinha.kairvee.bp2020@ve	Kairvee Sinha	A	51	https://drive.google.com/open?id=1nN3FsBexl36dKckhBMh3RKPgHlsQW_3
6/24/2021 16:09:32	sinha.kairvee.bp2020@ve	Kairvee Sinha	A	51	https://drive.google.com/open?id=1gBngvDh6OJQ2siErt87sve9j2z7C5vuf
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=1nj24DqkUb7BScXcUcVemVxgqz01EEw7C
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=10MDkM0okOf4-RlnQUf18_w_eTQFz3sl
6/24/2021 17:01:58	chorghe.sanika.bp2020@	Sanika Chorghe	B	56	https://drive.google.com/open?id=1nq_0AJvkhQEbq9Hwd-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=1WqncHE83UauyVKDe6PK5F4S55KeNTIQ


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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=1U5Z1QHf7mrCSF_omtykJ2oHw6QXxmXW
6/24/2021 15:18:16	dalvi.tanvi.bp2020@ves.a	Dalvi Tanvi Shashikant	B	59	https://drive.google.com/open?id=1U5HQLVrQ7bxWK66KdQtxcZlIXrge1Qg5
6/24/2021 16:14:44	dalvi.tanvi.bp2020@ves.a	Dalvi Tanvi Shashikant	B	59	https://drive.google.com/open?id=1BPQ1qfmXZgHMqf19VQSezw5jCvSI2e32
6/24/2021 15:33:17	fernando.godslin.bp2020@ves	Godslin fernando	B	61	https://drive.google.com/open?id=1BhrrnUXO6iNomURKviqA43s8Soxlix
6/24/2021 15:53:11	gunjal.mansi.bp2020@ves	Mansi Gunjal	B	63	https://drive.google.com/open?id=1AQ-UYxaTr0Q5zbuNLJBqS_ZSbuhPsc6
6/24/2021 17:24:17	gunjal.mansi.bp2020@ves	Mansi Gunjal	B	63	https://drive.google.com/open?id=1FSa7pz3UcN2i2aD89ZA43d59v-1sx5b
6/24/2021 15:12:37	gupta.jyoti.bp2020@ves.z	Jyoti Junior Gupta	B	64	https://drive.google.com/open?id=1wri6rZnk_XDT-wC2iPixNZQSGPR6oTTj
6/24/2021 16:09:00	gupta.jyoti.bp2020@ves.z	Jyoti Junior Gupta	B	64	https://drive.google.com/open?id=1B99gQOumfngJ3AuxeY6vorWzGyJZXjO1
6/24/2021 15:11:52	ingawale.riya.bp2020@ves	Riya Ingawale	B	65	https://drive.google.com/open?id=1yEBfAP4HpUxLcSn3iY3x2PJ1gRT07hrn
6/24/2021 16:05:25	ingawale.riya.bp2020@ves	Riya Ingawale	A	65	https://drive.google.com/open?id=1-d8CinGcSVIRurJIG2rhYRWc09xa9DzF
6/24/2021 16:58:50	ingawale.riya.bp2020@ves	Riya Ingawale	B	65	https://drive.google.com/open?id=1DhoBFttuo8nyNFTAILvEK9uU2xOhV3-g
6/24/2021 15:08:21	jagatkar.rutuja.bp2020@ves	Rutuja Nagsen Jagatkar	B	68	https://drive.google.com/open?id=1jpTQzvBfdkvi-EMzoRAyLJN2pDIPwE
6/24/2021 16:06:24	jagatkar.rutuja.bp2020@ves	Rutuja Nagsen Jagatkar	B	68	https://drive.google.com/open?id=1wMzW5RrQrN7wG40CdemlwWq9h06bQOGS
6/24/2021 15:10:10	jaiswal.sahil.bp2020@ves	Sahil Shivasare Jaiswal	B	69	https://drive.google.com/open?id=1LzjIGTNHoGd10DsinN19x3DQl5uYVfEi
6/24/2021 16:07:23	jaiswal.sahil.bp2020@ves	SAHIL SHIVASARE JAISWAL	B	69	https://drive.google.com/open?id=1-2V0iUPc5NAioF7VIVJQc1B7KHVIYSIU
6/24/2021 15:10:30	kandalgaonkar.dhanashree	Dhanashree Vilas Kandal	B	70	https://drive.google.com/open?id=1TKsHptN7p4b8SCgba6H1ZJZDU-gJMOD3
6/24/2021 15:12:46	karkera.preeti.bp2020@ves	Preeti Karkera	B	71	https://drive.google.com/open?id=1B9iBTURC4WjLpIPK8gNLOOLxLABTU1v
6/24/2021 17:05:43	karkera.preeti.bp2020@ves	Preeti Karkera	B	71	https://drive.google.com/open?id=1wXPJHXat0q9DTHqqlzAi8DLzb_hhCgH
6/24/2021 15:17:04	kasabi.siddhant.bp2020@ves	Siddhant kasabi	B	72	https://drive.google.com/open?id=1RHnKzybYwS-CYXw8YNOqGmQzLKXblad
6/24/2021 16:58:37	kazi.bushra.bp2020@ves	Bushra kazi	B	73	https://drive.google.com/open?id=1qGNfdr0zoWo9qibFIPBKz21411X9eCmB
6/24/2021 15:44:11	kewalramani.ginni.bp2020@ves	GINNI SUNIL KEWALRAMANI	B	74	https://drive.google.com/open?id=1G65ogUOQ_CnpRwXaAOdRqdAAZMjJNQ2F
6/24/2021 16:21:06	kewalramani.ginni.bp2020@ves	GINNI SUNIL KEWALRAMANI	B	74	https://drive.google.com/open?id=1PgRl3LVo08Q1KAGHrBh2w12PGr3QbYdy
6/24/2021 15:23:32	khan.hafsa.bp2020@ves	KHAN HAFSA ZUBAIR	B	75	https://drive.google.com/open?id=1xFyflj34nNncAt-vwGHlde3BUDALjxs
6/24/2021 17:06:11	khan.hafsa.bp2020@ves	KHAN HAFSA ZUBAIR	B	75	https://drive.google.com/open?id=1yWu42QC5upABIGnrbMwIoAlgmC-tDpj
6/24/2021 15:09:00	kotian.divya.bp2020@ves	Divya kotian	B	76	https://drive.google.com/open?id=1feywvqV9pH5_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@ves	Shreya menon	B	79	https://drive.google.com/open?id=1ap_Febp4EEvgSwmpBuuByAWLiFilkaaM
6/24/2021 15:29:32	morale.smita.bp2020@ves	Smita Navnath Morale	B	80	https://drive.google.com/open?id=1NWxeBbWETLJDeDpuAXcToSvEMnGICT79
6/24/2021 16:11:35	morale.smita.bp2020@ves	Smita Navnath Morale	B	80	https://drive.google.com/open?id=1b-aTOwkQXuYeXXa-Co4f4EgpWoETlc4
6/24/2021 15:05:56	mudaliar.nandini.bp2020@ves	Nandini Mudaliar	B	81	https://drive.google.com/open?id=1OZZvTh9ZSR16vgqPRtk4SMawVTPBRu9n
6/24/2021 17:09:24	mudaliar.nandini.bp2020@ves	Nandini Mudaliar	B	81	https://drive.google.com/open?id=1DGXivOXw9DZ4DaAoYozJZP5dZEERg3c4
6/24/2021 16:03:24	mukherjee.rupsha.bp2020@ves	Rupsha Mukherjee	B	83	https://drive.google.com/open?id=1JGya-ySjJc_2hllzQlmZ0RL1JujGBOh
6/24/2021 16:14:26	mukherjee.rupsha.bp2020@ves	Rupsha Mukherjee	B	83	https://drive.google.com/open?id=1G86Dr25hfn7KAS9QraDyalEmzofI
6/24/2021 15:11:24	pandey.gaurav.bp2020@ves	Gaurav Pandey	B	85	https://drive.google.com/open?id=1S8vPjYds_sbtIMPBWGHRowUmx8a5DasH

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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.bp202:	Divyesh chaudhari	A
6/24/2021 16:09:32	chaudhari.divyesh.bp202:	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=19n5eJV4Ib6_vniNL009RPDI8Y-7FzBN
86	https://drive.google.com/open?id=1DwU7JbQINg5bh_M-ya6yVwu5z6cdxblf
86	https://drive.google.com/open?id=1CAsnHyuQJ7cicabNvFko92Vtb94ySHIR
88	https://drive.google.com/open?id=1We20fX0zpByph7iybZ4ZVNlloivS1dd-
89	https://drive.google.com/open?id=1-k5dds01A0h8wU03WbwKR0hxrDulwUVj
89	https://drive.google.com/open?id=1ekqy_EiWCOcOfAnFZpg2zkNRRnX4LHeS
90	https://drive.google.com/open?id=1xAJuNPan3-izHrVqcpUFh4L2qsQAuvL7
93	https://drive.google.com/open?id=10DjxYu7HpdXZ5wrJXGA5V-gJc7rBsN5r
93	https://drive.google.com/open?id=1BVWMBEfw-EdP_R5w4QwwVq_m16wCeIWE7
95	https://drive.google.com/open?id=17jqnYdDbW-CrqW6PwyRwy6aypwG8bf_D
95	https://drive.google.com/open?id=1LKQcJqf2vY4xuB1D-Z23mZeeoyFIMj
96	https://drive.google.com/open?id=1dXpubFeDHfwSjEgsgHVp1sDqadulR-3v
96	https://drive.google.com/open?id=1-1SP1vS8Bx8mk1Q2hPvSwjR9bkRxyjI2
97	https://drive.google.com/open?id=1bGPjxymFex2S4DGq497plh1X9AIBfISW
97	https://drive.google.com/open?id=1lwpYgqas1ovuqbQbQ2U0uDhNFNC03Sbq
98	https://drive.google.com/open?id=17KRbYs7ZJh8-ban10w9rR0_fiyXqbfR
99	https://drive.google.com/open?id=1q-fkiZpHqIDXNoN8diNOCPMHBGGquoZ
99	https://drive.google.com/open?id=1J0hki_FR3KfJpSI8Z6cygXAvbq-URVc
101	https://drive.google.com/open?id=1DGQR8jBj8QERl_kS-32vDp7BiviziqV8
101	https://drive.google.com/open?id=1MD97_4NXdOeT25HI_-MIIIVLZSZJI9j0
103	https://drive.google.com/open?id=14XoioieaUd_oEJ8WRy0eP7sIBITnfC3
103	https://drive.google.com/open?id=1qjsdkd4N-6ArGxsAVP9tSI_HvTDDK7U0a
20621	https://drive.google.com/open?id=1DSArxd72A8KkyZreTJN8GoYJulbF_jD8
20621	https://drive.google.com/open?id=1YGD7cBzqGGwxYJ4F9xCVoHY5TbnvVMD0
20721	https://drive.google.com/open?id=1xbzhf0XBVOBNxz_T0EVJXhsNrQxqGFfe
20721	https://drive.google.com/open?id=14kvVnyE-5OxNtCMzOAK4ygSh13aJlmai
20821	https://drive.google.com/open?id=1KXjvwBlguwwlRny08wUq6d2pl6Tt5Af
20821	https://drive.google.com/open?id=1hdtMHdFXdC5qRyuSVz9ffsUwD-Ml2kP
20921	https://drive.google.com/open?id=13ycv8ZYOfu-eqOloa6zZOnQ6m5VUkxt
20921	https://drive.google.com/open?id=1OHEE5qtWQszKg9VenbyT6g7TBg791b6s
21121	https://drive.google.com/open?id=1PcEJyRL9TjBhMbrBmivC_TnD0iPLDi9
21121	https://drive.google.com/open?id=1hkrQESW4G9CFEYbQq4wwb7ELSIAP9d
21521	https://drive.google.com/open?id=1z8Mcvu677FpEnH39Twt_J-abBICW1BV
21521	https://drive.google.com/open?id=1hUjwXDXEmQmLjXXMLcvQkCsOLMGF



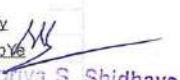
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Attendance for FY B Pharm Industrial Visit (24/06/2021) (Responses)

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_ebLENRihPaZ9Jxh7KqQyKPoR1ro
6/24/2021 16:19:00	jadhav.grishma.bp2020@	Grishma Shailesh Jadhav A		21721	https://drive.google.com/open?id=11t2XztApXG70Ygo-V9lj6FnoMCo95OX
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_Z34eJSxTQdVhth7DxcJe1kCElq6myl
6/24/2021 15:08:35	patil.anagha.bp2020@ve	Anagha Prashant Patil A		22921	https://drive.google.com/open?id=1qctKW9DBg7U34sprBkkq7sqHiXobFXMT
6/24/2021 16:21:13	patil.anagha.bp2020@ve	Anagha Prashant Patil A		22921	https://drive.google.com/open?id=1b4A1MWh_9TzKFHuN1ZffBUaFfLSNsqaV
6/24/2021 15:22:51	patil.sakshi.bp2020@ves.	Sakshi Patil A		23421	https://drive.google.com/open?id=13oJeAdSrbDYnLa_e8QWXGBaeYmdAIBQo
6/24/2021 16:10:24	patil.sakshi.bp2020@ves.	Sakshi Patil A		23421	https://drive.google.com/open?id=1ixGKdn-hdGMdjm3ncB8-dmQNNuhH_O12
6/24/2021 17:03:44	roy.sunny.bp2020@ves.a	Sunny roy A		23921	https://drive.google.com/open?id=1WmITTrc3YMDaRqIKY87AfxQwDKzJ5pTc
6/24/2021 15:04:50	sapkal.aditya.bp2020@ve	ADITYA SATISH SAPKAL A		24121	https://drive.google.com/open?id=1hu_j8WnBI669mkVqK5WwfAGYc_nXcbuy
6/24/2021 16:09:51	sapkal.aditya.bp2020@ve	aditya satish sapkal A		24121	https://drive.google.com/open?id=1JngVz3vIRO1CrKuoe96pth5vzTErWfCz
6/24/2021 15:10:59	sawant.anushka.bp2020@	SAWANT ANUSHKA VINI A		24421	https://drive.google.com/open?id=15UFLqha2XO59kl-XcdLIMfUG6H_BdOg
6/24/2021 16:58:13	sawant.anushka.bp2020@	SAWANT ANUSHKA VINI A		24421	https://drive.google.com/open?id=1CCjDr8xae2kMX4sBayNsONAI3i75ef4
6/24/2021 15:13:27	shinde.akanksha.bp2020@	AKANKSHA ASHOK SHIN A		24821	https://drive.google.com/open?id=1JbGScIrnnyrxYw18Q1dMzeddnc1gmDj
6/24/2021 15:05:38	singh.om.bp2020@ves.ac	Om Singh A		24921	https://drive.google.com/open?id=15qqAK4wPWLxREpIQvqhZ59vGstn1kl-b
6/24/2021 16:07:48	singh.om.bp2020@ves.ac	Om Singh A		24921	https://drive.google.com/open?id=1Vyq1m3eYTuJ7idzJBB1cvCvxC54CNegQ
6/24/2021 16:08:12	tandulkar.sitesh.bp2020@	Tandulkar Sitesh Moreshv A		25221	https://drive.google.com/open?id=1RFb0XS_NiuiP8OxNipGdlsfNZYGXm0Cy
6/24/2021 16:59:10	tandulkar.sitesh.bp2020@	Tandulkar Sitesh Moreshv A		25221	https://drive.google.com/open?id=1olsVGeAlFsyxHpipRWjn0qJH24Fov07
6/24/2021 15:07:01	batra.kunjai.bp2020@ves	Kunjai girish batra B		25421	https://drive.google.com/open?id=1Rbb1JmYfITmIhfrf6yf_alopvcAT6De
6/24/2021 17:00:11	batra.kunjai.bp2020@ves	Kunjai girish batra B		25421	https://drive.google.com/open?id=1oPCEsKbuNYsmwqDKRDILF-ydwTd4eNHh
6/24/2021 15:08:06	bhosale.rutuja.bp2020@v	Rutuja Suhas Bhosale B		25521	https://drive.google.com/open?id=1GpyRhuTScgZTX747ARXhRgv3i51x14tm
6/24/2021 16:57:16	bhosale.rutuja.bp2020@v	Rutuja Suhas Bhosale B		25521	https://drive.google.com/open?id=1m-2ndYFaxS4r9FUyNLqGg4UbJ7uJz2L
6/24/2021 16:07:20	singh.om.bp2020@ves.ac	On Singh A		25921	https://drive.google.com/open?id=110dHRmdhEKsgL5bMavQt_lq_W99KqrxE
6/24/2021 15:20:42	gounder.madhumitha.bp2	Gounder Madhumitha Rai B		26221	https://drive.google.com/open?id=1-j6osWHVZ-leviX4GPwqDKwH6xUebiMj
6/24/2021 16:06:20	gounder.madhumitha.bp2	Gounder Madhumitha Rai B		26221	https://drive.google.com/open?id=1X4P3XR4-XkadS32mb8qv-HXk35MQ1TbL
6/24/2021 15:12:32	jadhav.samruddhi.bp2020	Samruddhi Manoj Jadhav B		26621	https://drive.google.com/open?id=1Q4lAfyz-qwUuuMRA2n63s_SsoiwGUHl
6/24/2021 16:59:04	jadhav.samruddhi.bp2020	Samruddhi Manoj Jadhav B		26621	https://drive.google.com/open?id=16_Q3cwyIVwfk_cRbWkfxp-hEHExBIMbv
6/24/2021 17:07:18	jadhav.shivani.bp2020@v	Shivani Santosh Jadhav B		26721	https://drive.google.com/open?id=1_jMIDixVjAimS7kzJ1X4JFgkaiUJjoki
6/24/2021 15:06:46	kumari.sneha.bp2020@vr	KUMARI SNEHA B		27721	https://drive.google.com/open?id=1_WmOm3xlHU2Wiy7EBuG57tcngn32KZyb
6/24/2021 15:10:50	mehta.kushalkumar.bp20	Kushalkumar Mehta B		27821	https://drive.google.com/open?id=1kse0-mixBPVULlofuhjWvUUVVl0JJTAT
6/24/2021 15:05:22	mukadam.taahora.bp202	Taahora Javid Mukadam B		28221	https://drive.google.com/open?id=1qQcW8E7Nhez0x84M5iBeN5xitCW2kfy
6/24/2021 17:07:59	mukadam.taahora.bp202	Taahora Javid Mukadam B		28221	https://drive.google.com/open?id=1qCaarHlP5US4ryxTMEXaMvVlzVmpgbYe
6/24/2021 15:16:20	prajapati.sakshi.bp2020@	Sakshi Prajapati B		29021	https://drive.google.com/open?id=1604UtlbRVWNgxe0qgz46MILR9cH
6/24/2021 15:04:17	raut.kshitija.bp2020@ves	Kshitija Mahendra Raut B		29121	https://drive.google.com/open?id=1VRXaYe0ZnYHh69KqVDDQ2nsyTpQUvg

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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 16:14:02	raut.kshitija.bp2020@ves	Kshitija Mahendra Raut	B	29121	https://drive.google.com/open?id=1cVmk0xq7J6JA93-LyrtinWBMVXdVwtH_G
6/24/2021 15:08:12	savratkar.tarun.bp2020@	Tarun Milind Savratkar	B	29421	https://drive.google.com/open?id=1Gm2P_V7tgI9Qnxe610iu-6HGdFNRgJT
6/24/2021 16:05:40	vagrecha.niyati.bp2020@	Niyati Vagrecha	B	210221	https://drive.google.com/open?id=1Yz-JjDkVDn6NHVVQWvoD1TWQmdqLNIDQz
6/24/2021 15:22:15	yadav.aastha.bp2020@ve	Aastha Yadav	B	210421	https://drive.google.com/open?id=1e50hg1L9oitbf6lqHScceahhl4U_ZYR15A
6/24/2021 16:59:07	yadav.aastha.bp2020@ve	Aastha Yadav	B	210421	https://drive.google.com/open?id=1264v7hlgef40J-Czzz2wnnXN0eRJnVz
6/24/2021 15:09:00	adurkar.tanaya.bp2020@	Tanaya Atul Adurkar	A	01	https://drive.google.com/open?id=1irTaOzX-MkrXu8mvvwyZuXjUEND8fi4Y
6/24/2021 17:00:04	adurkar.tanaya.bp2020@	Tanaya Atul Adurkar	A	01	https://drive.google.com/open?id=1wPpTDBILv8IV6SONkaZvEktcedQykt0N
6/24/2021 15:06:42	avhad.anuj.bp2020@ves.	Anuj Avhad	A	03	https://drive.google.com/open?id=1TDKLS5KPITrigvGqta6u1y7ChV9wV2P
6/24/2021 17:20:15	avhad.anuj.bp2020@ves.	Anuj Avhad	A	03	https://drive.google.com/open?id=1tZltdKQUomcygxCkx3ivIG5kVlSVlZML
6/24/2021 15:20:10	shantanu.dinesh.bp2020@	Shantanu Bachhav	A	04	https://drive.google.com/open?id=1UCqOsJP51f87v2pbaM3_yBVfN9r5qSq2
6/24/2021 16:07:27	shantanu.dinesh.bp2020@	Shantanu Bachhav	A	04	https://drive.google.com/open?id=1q1bl8kKOBlsW_ZRe6GT3zi0Hsorfx3J3
6/24/2021 17:03:07	shantanu.dinesh.bp2020@	Shantanu Bachhav	A	04	https://drive.google.com/open?id=1BqAl_kiqH_VPfy94_rXQq1YEK85_62he
6/24/2021 15:15:02	gambhir.chirag.bp2020@	Chirag Gambhir	B	B26021	https://drive.google.com/open?id=1PnVTVvcv3meSF5pi0SjXCAFW_Ffw3C-
6/24/2021 17:00:35	gambhir.chirag.bp2020@	Chirag Gambhir	B	B26021	https://drive.google.com/open?id=1rMmQyC1rXINnZ-pgy5zKKr4Cq9nae5KL

Manda
 Mrs. Manda Venna
 Class Coordinator




SM
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 Chembur, Mumbai - 400 074.

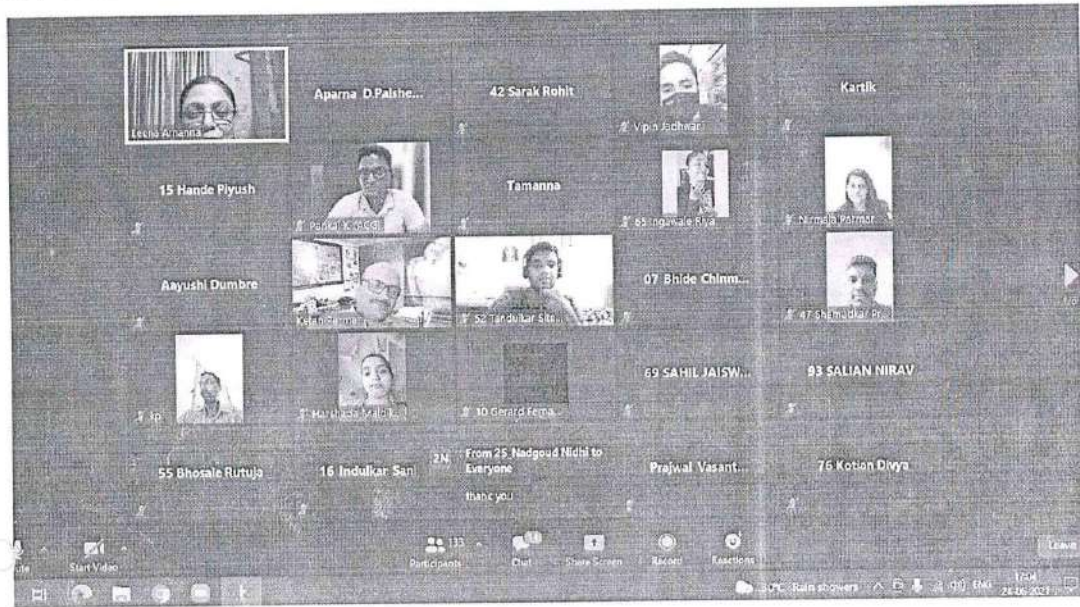
Timestamp	Email Address	Full Name	Roll Number
6/24/2021 15:06:49	bedse.vaibhav.mp2020@	Vaibhav Ashok Bedse	M-QA-20121
6/24/2021 15:07:07	madhavi.janvi.mp2020@v	Janvi Madhavi	M-QA-20721
6/24/2021 15:07:14	patil.prajakta.mp2020@v	Prajakta Anil Patil	M-QA-21121
6/24/2021 15:07:17	rawas.lakhan.mp2020@v	Rawas lakhan	
6/24/2021 15:07:29	rai.shubheksha.mp2020@	Shubheksha Raju Rai	M-PH-20821
6/24/2021 15:07:32	gholap.trupti.mp2020@v	Trupti Anil Gholap	MPC 20121
6/24/2021 15:08:10	gidwani.tamanna.mp2020@	Tamanna	MPh 20421
6/24/2021 15:08:50	bhakare.swarali.mp2020@	Swarali Vishvanath Bhakar	M-QA-20221
6/24/2021 15:09:23	chandra.komal.mp2020@	Komal Chandra	MPH20221
6/24/2021 15:10:32	mestry.samiksha.mp2020@	Samiksha Satish Mestry	M-PH-20621
6/24/2021 15:12:34	mahind.deepak.mp2020@	Deepak Balasaheb Mahir	MPH20521
6/24/2021 15:12:53	barge.kajal.mp2020@ves	Barge Kajal Shivaji	M-PH-20121
6/24/2021 15:14:45	jog.arundhati.mp2020@v	Arundhati Raghunath Jog	M-QA-20521
6/24/2021 15:15:07	raut.ankita.mp2020@ves.	raut.ankita.mp2020@ves.	MPH21021
6/24/2021 15:15:14	madhavi.tejasvi.mp2020@	Tejasvi Pandharinath Mac	M-PH-21521
6/24/2021 15:15:18	mahule.shivani.mp2020@	Shivani Mahule	MQA20821
6/24/2021 15:15:35	sondkar.shweta.mp2020@	Shweta Sondkar	M-QA-21321
6/24/2021 15:15:40	gholap.swapnil.mp2020@	gholap.swapnil.mp2020@	M QA 20321
6/24/2021 15:16:10	sangoi.vidhi.mp2020@ve	Vidhi Dinesh Sangoi	M-PH-21121
6/24/2021 15:16:17	sathe.vaishnavi.mp2020@	Sathe Vaishnavi Shashan	M-PH-21421
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Attach a Screenshot of the you watching a screen with time on it

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<https://drive.google.com/open?id=1GfM0L...>




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Class Coordinator
Mr. Mamta Venna
Mamta



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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 2019-20

PROGRAM COMMITTEE

Details of activity:

Name of the Activity	Visit to ACTREC		
Day, Date	Thursday 31/12/2020	Department/ Committee/Faculty	
Venue		Time	
Nature of activity	Field work	Total no. of participants	15

Activity Information:

Objectives	1. Visit to a research organization 2. to understand the research process
Outcomes	The activity correlated to courses Pharmaceutics, Medicinal Chemistry and Pharmacology Students were be able to <ol style="list-style-type: none"> 1. Understand the functioning of a research centre 2. See research demonstrations 3. Learn the concept of scientific data and data analysis 4. Visualize the application of theoretical knowledge and helped in experiential learning about radio pharmaceuticals and cancer research

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. Chaitali Surve	Mrs. Vidhi Bhatia	Dr. Rajashree Hirlekar
Name & Signature of Coordinator	Name & Signature of Head/Committee In charge	Name & Signature of IQAC Coordinator

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ADVANCED CENTRE FOR TREATMENT, RESEARCH AND EDUCATION IN CANCER (ACTREC) OPEN DAY 2020 (online)

Date of conduction: 31 December, 2020

Time of conduction: 12:00pm-1:15pm

Mode of conduction: ACTREC official website

Location of centre: Kharghar, Navi Mumbai.

Organizer: ACTREC

The virtual tour to ACTREC laboratories made us witness the actual functioning of research lab and high end facility of research equipments.

Dr. Satish Munnoli, Officer In-charge - Scope cell enlightened us about their aim behind this online visit to their centre. He gave us an overview of many research laboratories and facilities including experiences of researchers in the campus.

Dr. Prasanna Venkatrman, Deputy Director of Cancer Research Institute and Dr. Abhijeet De, Principal investigator and convenor of academic committee spoke about the history of their centre and gave us a brief overview of it's mission and activities.


ACTREC is a research campus of Tata memorial centre (TMC) and is affiliated by Unit of department of atomic energy by Government of India. ACTREC offers Phd in health and life sciences and it conducts various national and international meetings, sessions and conferences related to cancer. It focuses on finiding reasons and solutions to solve cancer related mysteries.

ACTREC also provides service helpline to quit tobacco. This helpline tells alot about methods of quitting tobacco.

Prof. Rajesh Dixit, Director Centre for Cancer Epidemiology discussed the public health relation and population genetic research. He focussed mainly on identifying the burden of Cancer in India, it's prevalence of risk factor and policy development.

Dr. Navin Khattry, Deputy Director enlightened us about the 3 major disciplines- surgical oncology, medical oncology and radiation oncology. All these disciplines are followed to ensure




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that the patients are treated with the best available facility. Since 2007, more than 750-800 transplants are been carried out in the largest centre of the country.

Dr. Arvind Ingle, Officer In-charge of lab Animal facility at ACTREC discussed alot regarding the use of animals in research. He discussed the dimensions required for keeping animals, it's storage conditions and protocols. He showed us rat breeding colony, different strains of rat and hamster, etc

Tumor Immunology group works in a lab which focuses on understanding reasons for immune dysfunction and also manages to learn stem cell role, tissue regeneration and repair, etc. Bhattacharya lab works on an organelle biogenesis, vesicular trafficking.

Chillakapati lab uses Raman Spectroscopy for diagnosis of oral and cervical Cancer. They discussed the principle behind raman spectroscopy and it's application. They also demonstrated it's working.

Dr. Sanjeev Waghmare lab tries to understand molecular signal network behind tight regulation and maintenance of stem cells by using skin as a model. Biology of brain tumor, epigenetics are also studied at this centre.

Dr. Sudeep Gupta, Professor of Medical Oncology, Director TMC shared their vision of focusing on high quality research in causes, progression and treatment of Cancer. They also believe in achieving good quality Cancer care. Challenges in Cancer therapy was also discussed which included the resistance to anti-cancer drug and tumor variability.

Dr., Prassana demonstrated the loading of agarose gel. She also demonstrated the cloning and protein purification by affinity chromatography. Mr. Sashi Dolas, Scientific Officer demonstrated the mass spectrometers instrumentation and application. They covered the steps to follow and precautions to take while using spectrometers.

Data analysis was also discussed in this tour. They gave us a demonstration on how to get results from data and how to use the software. A detailed demonstration of Western blotting technique was given by Teni lab. They covered each and every pointbright from sample preparation to transferring protein on membrane. They also taught us how to get a specific protein from this technique by using primary and secondary antibodies.

Alot of researchers from various lab gave us an insight of the work they do. Their main focus is to find a novel treatment therapy that increases the chance of Cancer patient survival.

Conclusion:

The virtual tour to ACTREC, Navi Mumbai, was a great opportunity for us to experience the working of various labs in Cancer research. We learned a lot through various demonstrations of equipment and technique involved in Cancer research.

This opportunity gave me an insight on cancer research. Such visits can surely motivate many students to pursue reserach as a career option.

M. Bhatia

Mrs. Vidhi Bhatia

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class co-ordinator
Mrs Nidhi Bhatia
Nidhi

VES COLLEGE OF PHARMACY

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Industrial Visit Report A.Y 2020-21

PROGRAM COMMITTEE

Details of activity:


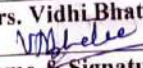

Name of the Activity	Visit to Anchrom Laboratories		
Day, Date	Friday 04-06-2021	Department/ Committee/Fac ulty	
Venue	Online	Time	11:30am to 1:00 pm
Nature of activity	Field work	Total no. of participants	

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

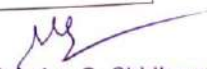
PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

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Student list of participation	<input type="checkbox"/>	Feedback analysis	<input type="checkbox"/>
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Certificate	<input type="checkbox"/>	Any other	<input type="checkbox"/>

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



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 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: Techniqe 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.

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US: +13462487799, 91088053581# or +16899006833, 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 8799
Webinar ID: 910 8805 3581
Participant ID: 328783
Passcode: 927627
International numbers available: <https://zoom.us/j/abtgkPA3CAD>



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Chembur, Mumbai - 400 074.


Timestamp	Email Address	Name	Contact Number	Class	Roll Number
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Timestamp	Email Address	Name	Contact Number	Class	Roll Number
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Industrial Training Report

(2021)

Ankita Rai

T. Y. B. Pharm

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



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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	Anchrom Lab Facilities	
2	Analytical Laboratory High Performance Liquid Chromatography HPTLC PRO system IATROSCAN Spotter for IATROSCAN	6 -10
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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.



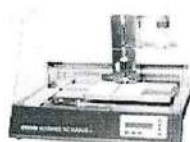
HPLC

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: wp3Qj1

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



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Chembur, Mumbai - 400 074.

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

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

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 Chembur, Mumbai - 400 074,



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

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7/17/2021 10:28:06	gholap.swapnil.mp2020@ves.ac.in	Swapnil Chandrakant Gh	07057854620	M.Pharm FY (Quality assi M QA 20321	
7/17/2021 10:28:07	satpal.soniya@ves.ac.in	Soniya Satpal	8482994304	L.Y. B Pharm Div A	74621
7/17/2021 10:28:07	parab.manasi@ves.ac.in	Manasi Parab	8104975258	L.Y. B Pharm Div A	72321
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 assi 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 assi 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 assi 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	
7/17/2021 10:28:28	pansare.siddhesh@ves.ac.in	Siddhesh Mohan Pansare	9082141548	L.Y. B Pharm Div B	77121
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 assi M-QA-21121	
7/17/2021 10:28:35	shinde.shruti@ves.ac.in	Shruti Shinde	09594892452	L.Y. B Pharm Div B	79221

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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
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7/17/2021 10:27:51	shah.manav@ves.ac.in	Manav Shah	7977310700	L.Y. B Pharm Div A	73021
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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
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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

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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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VES COLLEGE OF PHARMACY

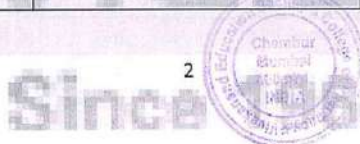
Hashu Advani Memorial Complex, Behind Collector Colony, Chembur (E), Mumbai - 400 074

	<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 - 400 074 (E) Mumbai
 Contact: 022-25490074, 074-25490074

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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 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 this 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. Arrows indicate a downward flow from one step to the next, with a feedback loop arrow 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 participant thumbnails, including Projwal Raut, Dr. Neha Chhabra, T. Shweta Senikar, Deepak Singh, and Shweta Gupta. The Zoom toolbar at the bottom includes icons for Mute, Stop Video, Security, Participants, Chat, Stop Screen, Record/Stop Recording, Reactions, and More.

V.E.S.
Since

3



Dr. (Mrs.) *AS* Supriya S. Shidhaye
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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

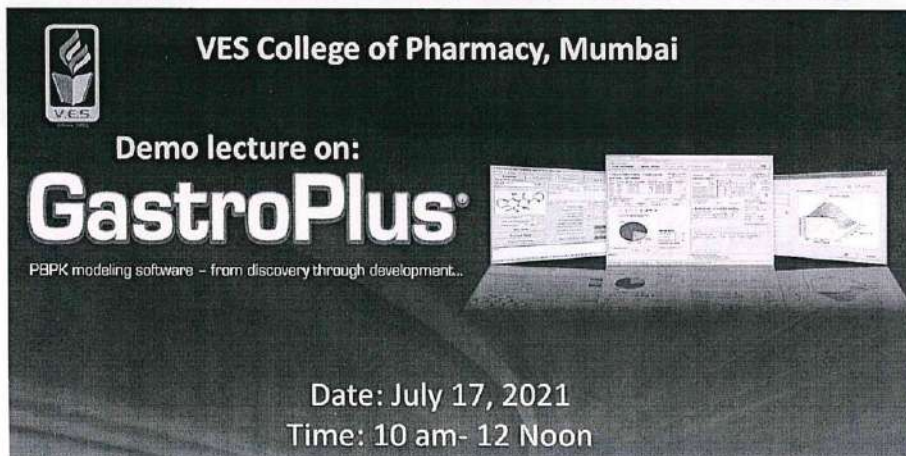
10 AM-12 Noon

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Meeting ID: 454 953 0685

Passcode: wp3Qj1

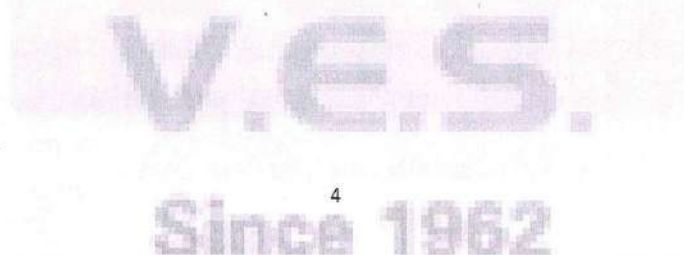
9:30 AM ✓

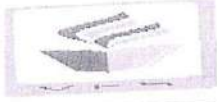


VES College of Pharmacy, Mumbai

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

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





Mushtaque Shaikh <mushtaque.shaikh@ves.ac.in>

Kind Attn Mr. Rajiv Kharat

Fri, Mar 5, 2021 at 3:50 PM

Training Idemi <training@idemi.org>

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

Cc: Supriya Shidhaye <supriya.shidhaye@ves.ac.in>, Mushtaque Shaikh <mushtaque.shaikh@ves.ac.in>, Anita Ayre <anita.ayre@ves.ac.in>, Rajashree Hirlekar <rajashree.hirlekar@ves.ac.in>

Dear Madam,

This is with reference to trailing mail, regarding visit to IDEMI Patent Facilitation centre. I hereby convey the confirmation for an online visit to IDEMI IPFC on 12th March 2021.

Visit details are as follows:

1. Visit will be completely on an online platform
2. Rs. 50 will charge per student for the visit. IDEMI bank details are attached herewith for making payment.
3. Online student registration is compulsory for the visit. Registration link is provided below.
<https://docs.google.com/forms/d/e/1FAIpQLSegX7yahQD5mx4gqQjgL99Fb9axkE7BMAyisTtYsj88RCrR1A/viewform>
4. Payment should be made only after complete registrations of all students.
5. Online link & timing for the visit will be shared only after confirmation to visit & full payment.
6. Registered students list should be shared with IDEMI before the visit.

This is for your kind information. Kindly confirm all the above said details from your end.

Thanking you,


Raju Kharat
Training Department
Institute for Design of Electrical Measuring Instruments
MSME Technology Centre, Mumbai
Ministry of Micro, Small & Medium Enterprises
Government of India

Eastern Express Highway, Chunabhatti, Sion, Mumbai – 400 022


Telephone No.: 022 - 24050301/02/03/04/16/24056239. Extension No. 238

Website: <http://www.idemi.org>

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 RTGS_BANK DETAILS.pdf
244K




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IDEMI Patent Facilitation Center - Virtual Visit

Academic Year: 2020-21
 Quarter: 3rd Quarter
 Program Type: MIC calendar activity
 Program Theme: IPR
 Program/Activity Name: IDEMI Patent Facilitation Center - Virtual Visit
 Start Date: 12th Mar 2021
 End Date: : 12th Mar 2020
 PR Note link :
<https://www.facebook.com/245402799002943/posts/1538575903018953/?sfnsn=wiwspmo>
 Number of days: 1
 Number of Students Participants: 135
 Number of Faculty/Other Participants: 05
 Number of External Students Participants: 0
 Number of External Faculty/Other Participants: 0
 Mode / venue of session delivery: Online Zoom meet
 Expenditure Amount, If any: 4100

VES College of Pharmacy
 Published by Prachitee Pranit More · March 11 · ...

Do you know what patent is ? How to get your own patent ? The process involved in getting a patent on your name ? Are you excited to learn about it ?

Yes ! 🙌

📌 Institutions Innovation Council of VES College of Pharmacy 📌
 📌 Invites all the budding Entrepreneurs 📌 and Masterminds 📌 to
 An Online Visit to Patent Facilitation Center ...

📅 Date: 12th March 2021
 🕒 Time: 2:00-4:00 PM
 💰 Fee: ₹50 per participant (Paid By College only for first 100 students)

Payment Details for teachers
 Name: Hardik Shah
 Number: 7021518772
 Gpay/Paytm Accepted 📌

Registration Link:
<https://docs.google.com/.../1FAIpQLSegX7yahQD5mx.../viewform>

FLYER / Schedule:



AS
 Dr. (Mrs.) **Suzhiya S. Shidhaye**
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 Chembur, Mumbai - 400 074.

Resource Person : Mr. Sagar S. Joshi
Affiliation: Senior Technical Assistant (IDEMI, Sion, Mumbai)

Background:
 IPR allows a startup or a researcher to compete effectively against large companies after patenting its invention. If a startup has a unique unpatented invention, larger rivals can easily copy, manufacture, and market it, effectively negating the startup's effort to create its invention. MoE's focus on creating and strengthening the culture of innovation and entrepreneurship ecosystem contributes to organization of such sessions for the students.

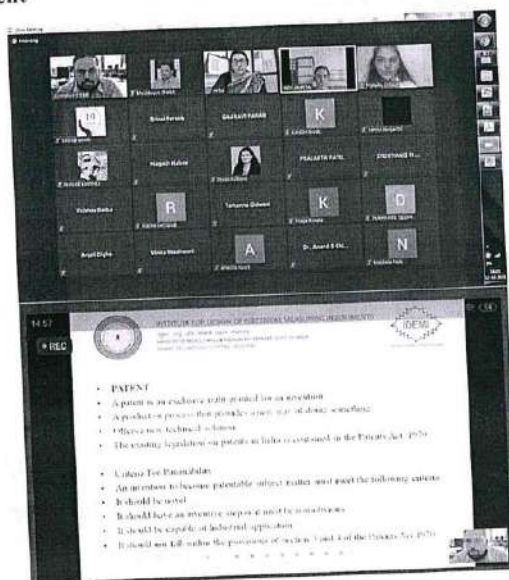
Objective:
 The objective was to provide first-hand knowledge and information on Intellectual Property Right Support Services to the students. The IDEMI's Patent facilitation center provides assistance to the MSME's and start-ups.

Benefit in terms of learning/Skill/Knowledge obtained:
 interactive session on IPR, copyrights, trademarks, geographical indications, industrial design and patents.

Details /MoM

1. The students were introduced to IDEMI, a subunit of the Ministry of micro, small & medium enterprises, Government of India.
2. The students were explained the importance of timely applying for trademarks, copyrights and patents for Start-ups with examples
3. The life-cycle of a patent, loyalty, its revision and infringement were explained.
4. Q&A session was conducted and active participation was seen

Glimpses of the event



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 Chembur, Mumbai - 400 074.

Name	Class
Shiekha Swapankumar Deria	L.Y. B Pharm
Maithili Rajesh Phalke	T.Y. B Pharm Div A
Bhairavee Bandu Chimane	L.Y. B Pharm
RIA RAJPUT	T.Y. B Pharm Div B
Sonali Gudalkar.	L.Y. B Pharm
Divya karepaka	T.Y. B Pharm Div A
Omkar Parab	L.Y. B Pharm
Merin Kuriakose	T.Y. B Pharm Div B
Toke Omkar Krishna	S.Y. B Pharm Div B
Sakshi Kataria	T.Y. B Pharm Div A
Mahenoor Ansari	T.Y. B Pharm Div A
Priyanka Kulkarni	T.Y. B Pharm Div A
Hrithik Jain	T.Y. B Pharm Div A
Srushti Shetye	T.Y. B Pharm Div A
Karishma Talreja	T.Y. B Pharm Div B
Aditi	T.Y. B Pharm Div A
Satyavaty Darisipudi	T.Y. B Pharm Div A
Nandani Sachidanand Singh	L.Y. B Pharm
Mekhala Naik	T.Y. B Pharm Div A
Nikhil Vallamdas	S.Y. B Pharm Div B
Khan Nazish Feroz	S.Y. B Pharm Div B
Sarita Sonar	T.Y. B Pharm Div B
Khan Naziya	L.Y. B Pharm
Aishwarya Chavan	T.Y. B Pharm Div B
Santhanalexmi Kumaresan	L.Y. B Pharm
Yadav Sanjana Vijaynath	T.Y. B Pharm Div B
Shruti Naresh Patil	T.Y. B Pharm Div A
Hardik Shah	L.Y. B Pharm
Yukta Patil	T.Y. B Pharm Div A
Vaishnavi Thorat	S.Y. B Pharm Div B
Pooja Manohar Kokate	T.Y. B Pharm Div A
Ankita Nitin Mandlik	T.Y. B Pharm Div B
Manasi Anant Parab	T.Y. B Pharm Div A
Divya Dhavan	L.Y. B Pharm
Shruti Kulkarni	T.Y. B Pharm Div B
Anjali bhagwan waybase	T.Y. B Pharm Div A
Prajakta Kavish Deole	L.Y. B Pharm
Parth Mehta	L.Y. B Pharm



Dr. (M...
Vivek...
HAS...
C

S. Shidhaye
S. Shidhaye
Pharmacy
Colony
074

Copy of Attendance IDEMI

Ruchi rajesh bhosale	T.Y. B Pharm Div B
Ankita Mayuresh Raut	M. Pharm FY
George Glory Robert	S.Y. B Pharm Div B
Hitesh Sundarlal Lodh	L.Y. B Pharm
Simran Punjabi	T.Y. B Pharm Div A
Vrushti Trivedi	T.Y. B Pharm Div B
Vinita Wadhvani	L.Y. B Pharm
Gauravi Parab	T.Y. B Pharm Div A
Vaidehi Bhole	L.Y. B Pharm
Anmol Ganesh Punyarthi	T.Y. B Pharm Div A
Ambika Thakur	T.Y. B Pharm Div A
PRAJAKTA PATIL	M. Pharm FY
Shrutali Shantaram Chavare	T.Y. B Pharm Div B
Ankita Prakash Kanade	L.Y. B Pharm
Samal Vidya Ramesh	T.Y. B Pharm Div B
Nistha Mahesh Pal	T.Y. B Pharm Div B
Shubhang Rao	M. Pharm FY
Manasi Sawant	T.Y. B Pharm Div B
Ashwati Ashok gawande	T.Y. B Pharm Div B
Ghadage Nishigandha	T.Y. B Pharm Div B
Akanksha Mallesh Soman	S.Y. B Pharm Div A
Umang Ashar	L.Y. B Pharm
Shubhangi Maruti Yamgar	T.Y. B Pharm Div A
Surbhi Rajendraprasad Soni	L.Y. B Pharm
Komal Chandra	M. Pharm FY
Mushtaque Shaikh	Faculty
Satyavaty Darisipudi	T.Y. B Pharm Div A
Sharma Nisha Sushil	L.Y. B Pharm
Jagdish Kumavat	L.Y. B Pharm
Nagesh Nabde	M. Pharm FY
Kavish Sanil	L.Y. B Pharm
Hitesh Sundarlal Lodh	L.Y. B Pharm
Malaika Colaco	T.Y. B Pharm Div B
Chanchlani Vanshika Mahesh	T.Y. B Pharm Div B
Ankita Rai	T.Y. B Pharm Div A
Hitesh Lad	T.Y. B Pharm Div B
Muzzammil khan	T.Y. B Pharm Div B
Akshada Manik Indalkar	T.Y. B Pharm Div B
Gauri Karanjkar	T.Y. B Pharm Div A



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

Copy of Attendance IDEMI

Dr. Brinal Figer-Pereira	Faculty
Dr. Anand Chintakrindi	Faculty
Dr. Anita Ayre	Faculty
Dr. Neha Chhabra	Faculty




Dr. (Mrs.) Supriya S. Shidhaye
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HAMC, Behind Ganesh Colony,
Chambur, Mumbai-400 074.



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,

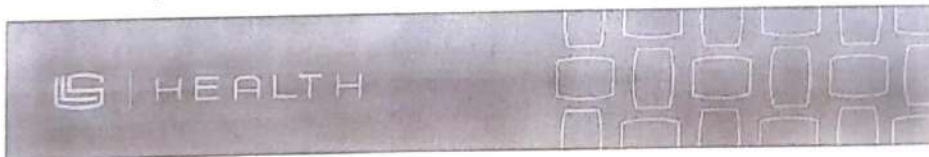
Kedar V. Chikhalikar

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



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

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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 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 <ol style="list-style-type: none">1. Understand the structure and functioning of a pharmaceutical company2. Learnt the working of latest instrument used for manufacturing and packaging3. 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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HAMC, Behind Collector Colony,
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,

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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

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<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

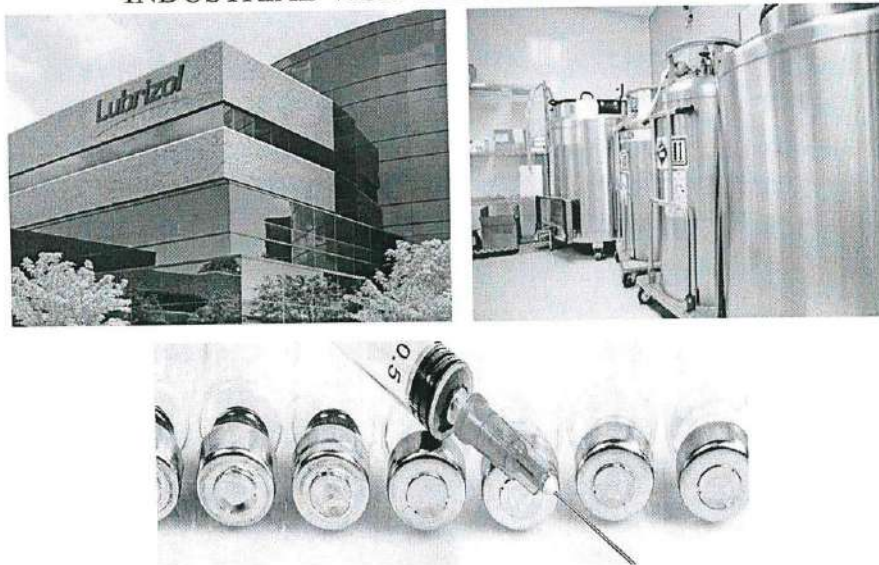
[Quoted text hidden]

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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.

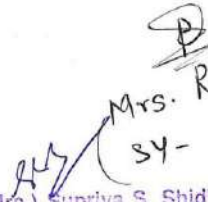


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Vivekanand Education Society's
College of Pharmacy

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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
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6/11/2021 15:18:04	sah.amish@ves.ac.in	Amish Sah	8928217466	S.Y. B Pharm Div B	48121
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6/11/2021 15:18:18	date.shrutika@ves.ac.in	Shrutika S Date	9869511660	S.Y. B Pharm Div A	40521




 Mrs. Rashmi Wani
 SY- class coordinator
 Dr. (Mrs.) Supriya S. Shidhaye
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 Chembur, Mumbai - 400 074.

Timestamp	Email Address	Name	Contact Number	Class	Roll Number
6/11/2021 15:18:19	pakale.janhavi@ves.ac.in	Janhavi Pakale	09819744218	S.Y. B Pharm Div A	42721
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6/11/2021 15:19:29	jha.mansi@ves.ac.in	Mansi Jha	7039088663	S.Y. B Pharm Div A	42121
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6/11/2021 15:19:41	shirsat.sanjana@ves.ac.ir	Sanjana Shirsat	9324470209	S.Y. B Pharm Div B	48821



Dr. (Mrs.) ^{9/11} Sudhika S. Shidhaye
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 HAMC, Sakinaka, Chembur Colony,
 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	9553413302	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
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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.ninksha@ves.ac.in	Ninksha Divakar Shetty	9702832700	S.Y. B Pharm Div B	48721
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6/11/2021 15:30:11	sarap.shraddha.mp2020@	Shraddha Sarap	9604997476	M. Pharm FY	21221



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

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	hatle.siddhesh@ves.ac.in	Sudheer	Siddhesh Hatle	S.Y. B Pharm Div A	17
6/11/2021 15:33:10	maheshwari.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	08452937139	M. Pharm FY	M-QA-21021
6/11/2021 15:33:20	sondkar.shweta.mp2020@ves.ac.in	shweta sondkar	9773193700	M. Pharm FY	M-QA-21321
6/11/2021 15:34:56	malandkar.sandali2001@ves.ac.in	Sandali Sameer Malandkar	8779689473	S.Y. B Pharm Div A	42521
6/11/2021 15:35:25	gurav.mansi@ves.ac.in	Mansi Shankar Gurav	9082113854	S.Y. B Pharm Div A	41621
6/11/2021 15:36:41	bedse.vaibhav.mp2020@ves.ac.in	Vaibhav Bedse	+917757876405	M. Pharm FY	M-QA-20121
6/11/2021 15:40:39	kamble.nidhi.mp2020@ves.ac.in	Nidhi Nalin Kamble	9819521014	M. Pharm FY	M-QA-20621
6/11/2021 15:41:41	madhavi.janvi.mp2020@ves.ac.in	Janvi Madhavi	7083436556	M. Pharm FY	20721
6/11/2021 15:42:48	gadoya.shreaya@ves.ac.in	Shreaya Gadoya	8169755584	S.Y. B Pharm Div A	41221
6/11/2021 15:46:30	wadhava.abhijeet.mp2020@ves.ac.in	Abhijeet wadhava	9527157256	M. Pharm FY	21521
6/11/2021 15:46:47	raul.prajwal.mp2020@ves.ac.in	PRAJWAL VASANT RAU	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
6/11/2021 15:51:11	shukla.sundaram@ves.ac.in	Sundaram shukla	9137943490	S.Y. B Pharm Div A	A44521
6/11/2021 15:54:46	bhakar.swarali.mp2020@ves.ac.in	Swarali Bhakar	8552033982	M. Pharm FY	M-QA-20221
6/11/2021 15:55:32	shivnekar.tanvi@ves.ac.in	Tanvi Shivnekar	8850261870	S.Y. B Pharm Div A	43
6/11/2021 15:57:18	shivankar.namrata@ves.ac.in	Namrata Shankar Shivankar	9082453979	S.Y. B Pharm Div A	A44221
6/11/2021 16:08:10	gawade.siddhita.mp2020@ves.ac.in	Siddhita Gawade	9821637953	M. Pharm FY	MQA20421
6/11/2021 16:23:02	tripathi.asmita.mp2020@ves.ac.in	Asmita Kashinath Tripathi	9892314659	M. Pharm FY	14
6/11/2021 16:36:48	gadre.ojas@ves.ac.in	Ojas Gadre	7045682074	S.Y. B Pharm Div B	45921
6/11/2021 17:00:07	mahind.deepak.mp2020@ves.ac.in	Daepak Balasaheb Mahin	9702121671	M. Pharm FY	MPH20521
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

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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Attendance (Printed on 11/06/2021 (Response))

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
6/2/2021 14:54:16	karkera.preeti.bp2020@v	Preeti Karkera	79000 70566	F.Y. B Pharm Div B	71
6/2/2021 14:54:19	pillai.shrutika.bp2020@ve	Shrutika Pillai	8451028186	F.Y. B Pharm Div A	35
6/2/2021 14:54:24	jagatkar.rutuja.bp2020@v	Rutuja Jagatkar	9833001600	F.Y. B Pharm Div B	68
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.;	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
6/2/2021 14:54:57	jog.arundhati.mp2020@v;	Arundhati Jog	9869411749	M. Pharm FY	M-QA-20521
6/2/2021 14:55:01	bhanushali.nidhee@ves.;	Nidhee Bhanushali	8788023028	T.Y. B Pharm Div B	65221
6/2/2021 14:55:09	gidwani.tamanna.mp2020	Tamanna	8850292533	M. Pharm FY	M-PH-20421
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
6/2/2021 14:55:21	gounder.madhumitha.bp2	Gounder Madhumitha Rai	8291882135	F.Y. B Pharm Div B	26221
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
6/2/2021 14:55:33	shantanu.dinesh.bp2020@	Shantanu Bachhav	9326268466	F.Y. B Pharm Div A	04
6/2/2021 14:55:36	rawas.lakhan.mp2020@v	Rawas lakhan	9665696913	M. Pharm FY	4
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.	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.	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.co	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.dhanashre	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
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6/2/2021 15:00:21	chaudhari.divyesh.bp2021	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 Dayanant	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 Moreshv	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.bp2021	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.	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.i	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
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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.;	Dishank Arondekar	08369146589	T.Y. B Pharm Div B	65021
6/2/2021 15:03:18	gupta.jyoti.bp2020@ves.;	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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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
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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.z	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.t	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.z	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 Salt	8454811805	T.Y. B Pharm Div B	69621
6/2/2021 15:05:22	kumari.sneha.bp2020@vi	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
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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.ir	Saloni Maindan	9619224821	T.Y. B Pharm Div B	69
6/2/2021 15:06:40	punjabi.simran@ves.ac.ir	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
6/2/2021 15:07:03	pansare.siddhesh@ves.a	Siddhesh Pansare	9082141548	T.Y. B Pharm Div B	67221
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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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
6/2/2021 15:11:24	nabde.nagesh.mp2020@ves.ac.in	Nagesh Nabde	7588772288	M. Pharm FY	M-PH-20721
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
6/2/2021 15:15:32	patel.heet.bp2020@ves.ac.in	Patel Heet Dhanji	7045103606	F.Y. B Pharm Div A	28
6/2/2021 15:16:20	batra.kunjali.bp2020@ves.ac.in	Kunjali Batra	9325696854	F.Y. B Pharm Div B	54
6/2/2021 15:19:29	kokate.pooja@ves.ac.in	Pooja manohar Kokate	9004772563	T.Y. B Pharm Div A	14
6/2/2021 15:20:49	banga.manmeet@ves.ac.in	Manmeet Singh	9833722045	L.Y. B Pharm	65121
6/2/2021 15:20:54	khan.hafsa.bp2020@ves.ac.in	KHAN HAFSA ZUBAIR	8652686367	F.Y. B Pharm Div B	75
6/2/2021 15:23:37	sinha.kairvee.bp2020@ves.ac.in	Kairvee Sinha	9867055289	F.Y. B Pharm Div A	51
6/2/2021 15:39:23	adurkar.tanaya.bp2020@ves.ac.in	Tanaya Atul Adurkar	8452997080	F.Y. B Pharm Div A	20121
6/2/2021 15:40:39	chaurasiya.anjali.bp2020@ves.ac.in	Anjali Anil Chaurasiya	8850921438	F.Y. B Pharm Div A	10
6/2/2021 15:48:27	saste.aditya.bp2020@ves.ac.in	Aditya Saste	8104882558	F.Y. B Pharm Div A	43
6/2/2021 16:08:49	nair.sowparnika.mp2020@ves.ac.in	SOWPARNIKA NAIR	08452937139	M. Pharm FY	M-QA-11021
6/2/2021 16:08:57	madhavi.janvi.mp2020@ves.ac.in	Janvi Madhavi	7083436556	M. Pharm FY	07
6/2/2021 16:10:04	gawade.siddhita.mp2020@ves.ac.in	Siddhita Gawade	9821637953	M. Pharm FY	MQA20421
6/2/2021 16:10:22	gawade.siddhita.mp2020@ves.ac.in	Siddhita Gawade	9821637953	M. Pharm FY	MQA20421
6/2/2021 16:33:01	shetye.srushti@ves.ac.in	Srushti Shetye	9969742020	L.Y. B Pharm	63821
6/2/2021 16:42:14	sarak.rohit.bp2020@ves.ac.in	Rohit Sarak	7304661456	F.Y. B Pharm Div A	42
6/2/2021 17:06:46	gholap.swapnil.mp2020@ves.ac.in	Swapnil Gholap	07057854620	M. Pharm FY	M QA 20321
6/2/2021 17:16:56	wadhwa.abhijeet.mp2020@ves.ac.in	Abhijeet Kondibarao Wadhwa	9527157256	M. Pharm FY	21521



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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 18:48:24	poojari.raakshit@ves.ac.in	Rakshit Poojari	09322033974	L.Y. B Pharm	67621
6/2/2021 21:04:10	prajwalraut1996@gmail.c	PRAJWAL VASANT RAU	9882521854	M. Pharm FY	21221



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5/23/21, 3:59 PM

Welcome to Vivekanand Education Society (mail) - Online Support



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>

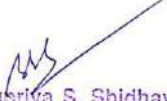
Dear Vidhi mam,

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

Created by 2JPEG | www.2jpeg.com

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



SS
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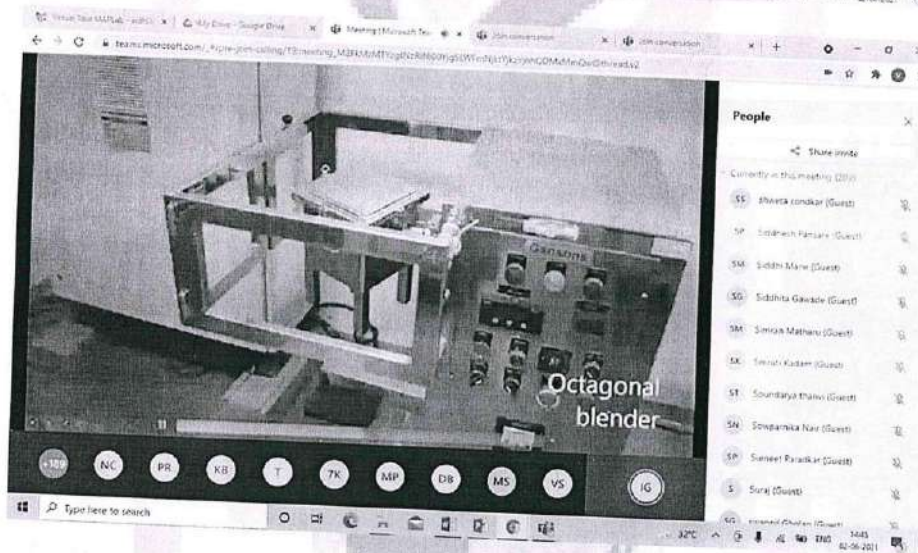


2

Since 1962

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

Timestamp	Email Address	Full Name	Roll Number
4/7/2021 11:06:49	bedse.vaibhav.mp2020@	Vaibhav Ashok Bedse	M-QA-20121
4/7/2021 11:07:07	madhavi.janvi.mp2020@v	Janvi Madhavi	M-QA-20721
4/7/2021 11:07:14	patil.prajakta.mp2020@v	Prajakta Anil Patil	M-QA-21121
4/7/2021 11:07:17	rawas.lakhan.mp2020@v	Rawas lakhan	
4/7/2021 11:07:29	rai.shubheksha.mp2020@	Shubheksha Raju Rai	M-PH-20821
4/7/2021 11:07:32	gholap.trupti.mp2020@ve	Trupti Anil Gholap	MPC 20121
4/7/2021 11:08:10	gidwani.tamanna.mp2020	Tamanna	MPh 20421
4/7/2021 11:08:50	bhakare.swarali.mp2020@	Swarali Vishvanath Bhake	M-QA-20221
4/7/2021 11:09:23	chandra.komal.mp2020@	Komal Chandra	MPH20221
4/7/2021 11:10:32	mestry.samiksha.mp2020	Samiksha Satish Mestry	M-PH-20621
4/7/2021 11:12:34	mahind.deepak.mp2020@	Deepak Balasaheb Mahin	MPH20521
4/7/2021 11:12:53	barge.kajal.mp2020@ves	Barge Kajal Shivaji	M-PH-20121
4/7/2021 11:14:45	jog.arundhati.mp2020@v	Arundhati Raghunath Jog	M-QA-20521
4/7/2021 11:15:07	raut.ankita.mp2020@ves.	raut.ankita.mp2020@ves.	MPH21021
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4/7/2021 11:15:18	mahule.shivani.mp2020@	Shivani Mahule	MQA20821
4/7/2021 11:15:35	sondkar.shweta.mp2020@	Shweta Sondkar	M-QA-21321
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4/7/2021 11:25:23	tripathi.asmita.mp2020@v	Asmita Kashinath Tripathi	
4/7/2021 11:26:10	nabde.nagesh.mp2020@	Nagesh Vishnu Nabde	M-PH-20721
4/7/2021 11:34:27	ubale.rohan.mp2020@ve	Rohan Ubale	PC-6
4/7/2021 11:47:20	satam.ruchika.mp2020@v	Ruchika Rajaram Satam	M-PH-21321
4/7/2021 11:50:47	gaikwad.bhagyashree.mp	Bhagyashree Kisen Gaikv	M PH 20321
4/7/2021 11:14:08	rao.shubhang.mp2020@v	Shubhang N. Rao	MPH-20921
4/7/2021 11:06:57	gawade.siddhita.mp2020@	Siddhita Gawade	M-QA-20421
4/7/2021 11:09:49	taites.aaron.mp2020@ve:	Aaron Giles Taites	
4/7/2021 11:36:46	wadhawe.abhijeet.mp2021	Abhijeet kondibarao wadh	M-QA 21521



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

**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.

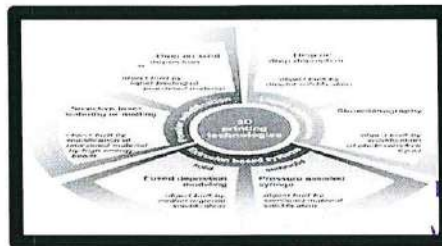
Organizer: Dr.Aparna Palshetkar, Ms.Harsha Khatpalia, Dr.Rajashree Hirlekar, Dr.Supriya Siddhaye

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.

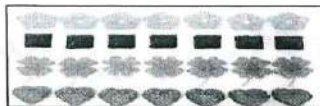
Lecture on 3D Printing covered the types of 3D Printing, customization of tablet design and demonstration on working of 3D printing machine.

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



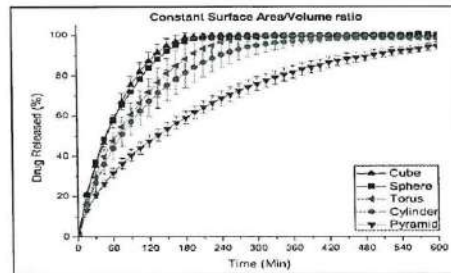
2) Customization of Tablet Design:



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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".

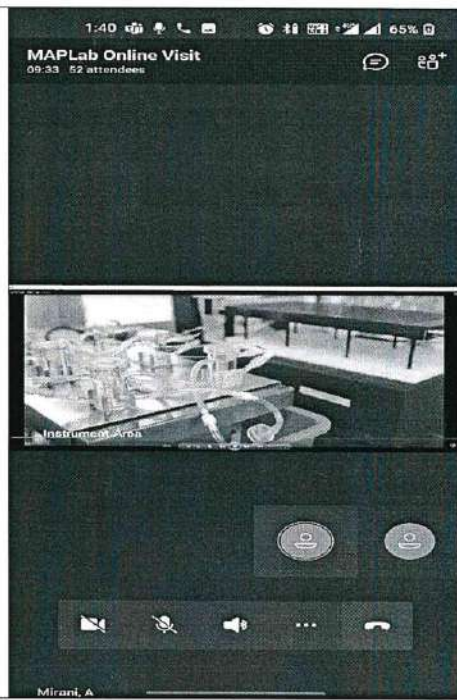
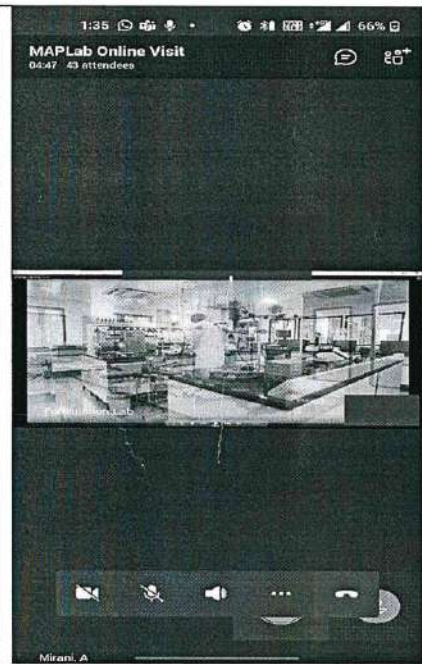
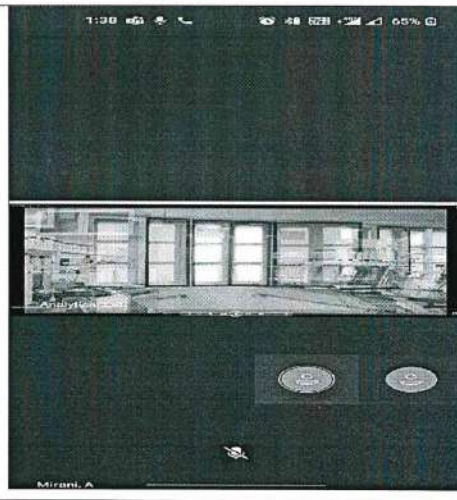
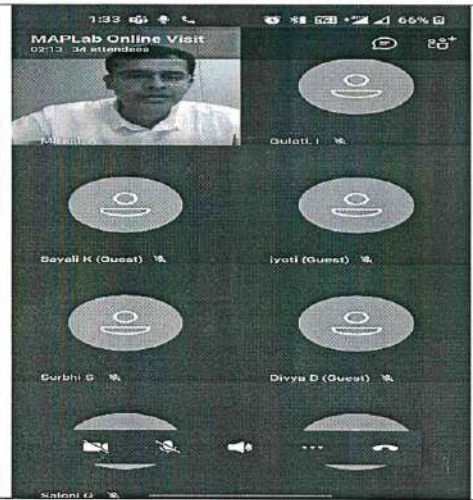
Conclusion:

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.

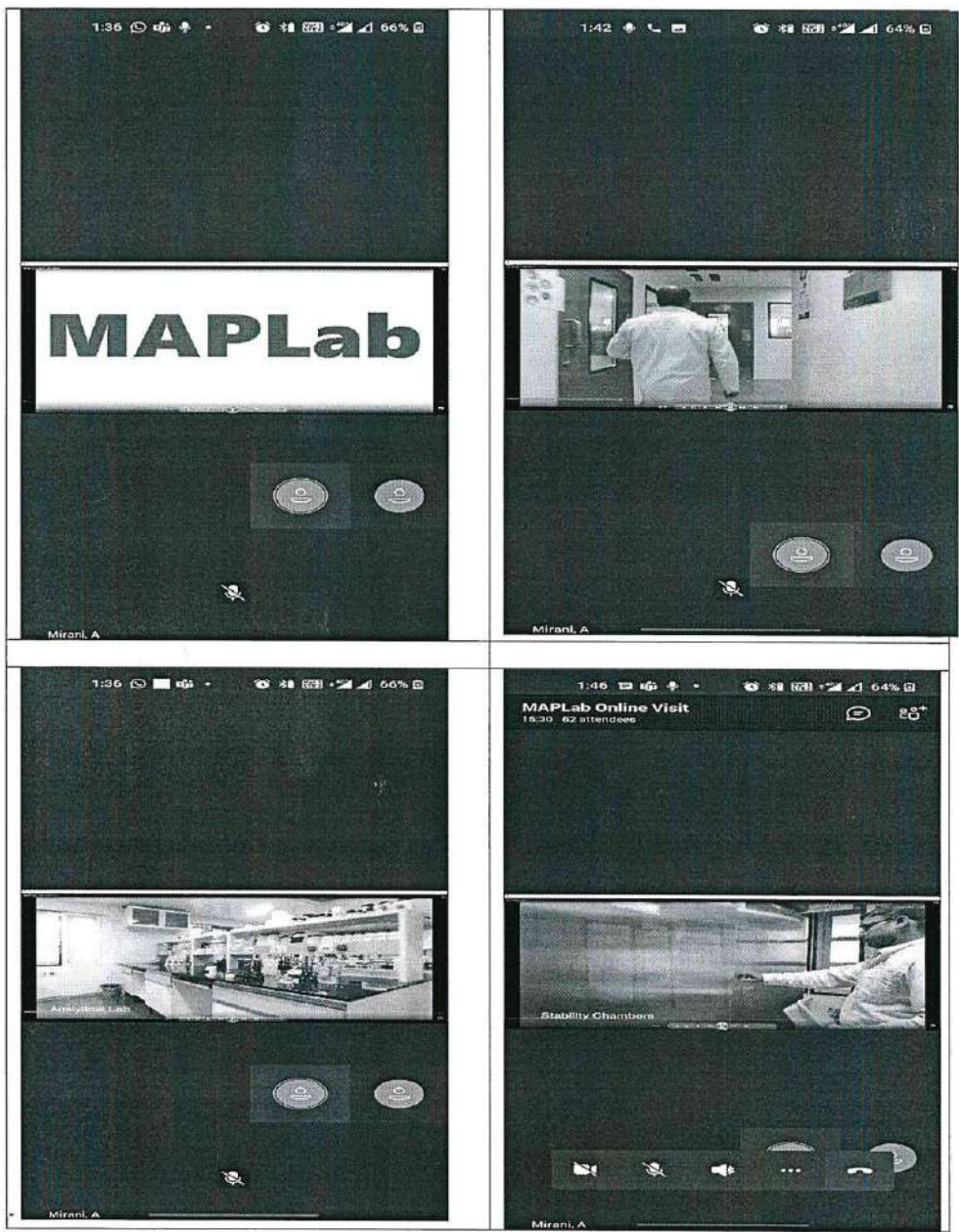
I not only learnt about the practical applications of 3D printing in pharmaceutical but also understood the importance of following appropriate laboratory protocol as is required by a formulation and analytical scientist. This opportunity gave me an insight of the industry. It has overall nurtured in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

V. B. Lataee
Mrs Vidhi B. Lataee

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



7



*

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



Vivekanand Education Society's College of Pharmacy

Hashu Advani Memorial Complex, Behind Collectors Colony,
Chembur (East), Mumbai - 400074



Dr. (Mrs.) Supriya S. Shidhaye¹
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HAMC, Behind Collector Colony,
Chembur, Mumbai - 400 074.

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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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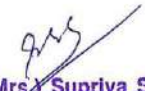


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3	Formulation Laboratory <ul style="list-style-type: none"> • Granulation Chamber • Compression Chamber • Coating Chamber • Formulation Area 	14-20
4	Packaging Unit	21-23
5	Stability Chamber	24
6	Storage Area	25-26

4





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

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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Chembur, Mumbai - 400 074.

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

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

1



INDUSTRY VISIT TO MAP LAB (online)

Date of conduction: 7th April, 2021

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

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

Speaker: Mr. Inder Gulati.

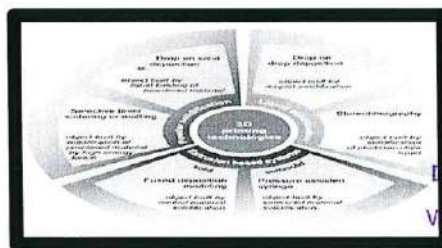
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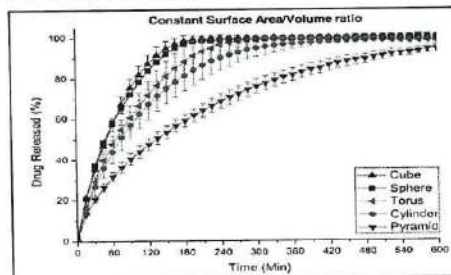


MS
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2) Customization of Tablet Design:



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.



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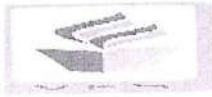
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It has overall nurtured in me a spark to develop a professional outlook towards the work and profession.

Class Coordinator
Mrs Vidhi Bhatia



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

3D printing VES students

1 message

Mon, Apr 5, 2021 at 10:51 AM

Gulati, Inder <gulati.i@pg.com>

To: aparna palshetkar <aparna.palshetkar@ves.ac.in>, Supriya Shidhaye <supriya.shidhaye@ves.ac.in>, Rajashree Hirlekar <rajashree.hirlekar@ves.ac.in>, Harsha Kathpalia <harsha.kathpalia@ves.ac.in>

Pl find the invite for the meeting. You may pl forward to students who can join using this link

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



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

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

<https://mail.google.com/mail/u/2?ik=b719751a71&view=pt&search=all&permthid=thread-f%3A1696170646741048343&simpl=msg-f%3A1696176...> 1/1

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Industrial Visit Report A.Y 2020-21

PROGRAM COMMITTEE

Details of activity:

Name of the Activity	Visit to MAP lab		
Day, Date	Wednesday 12/02/2021	Department/Committee/Faculty	-
Venue	Online : Microsoft Teams	Time	11:00am-12:00 pm
Nature of activity	Field work	Total no. of participants	58

Activity Information:

Objectives	1. Visit to a pharmaceutical R&D centre 2. to understand the processes, engineering functioning of a pharmaceutical company and R&D centre
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PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

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

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

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



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Keyur Shastri <keyur.shastri@ves.ac.in>

MAPLab Online Visit

8 messages

Thu, Feb 11, 2021 at 5:43 PM

Gulati, Inder <gulati.i@pg.com>

To: Keyur Shastri <keyur.shastri@ves.ac.in>, Supriya Shidhaye <supriya.shidhaye@ves.ac.in>, "Goel, Tarun" <goel.t@pg.com>

Dear Keyur,

Pl use this link for the online visit and forward to the students.

Microsoft Teams meeting



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Thu, Feb 11, 2021 at 6:51 PM

Keyur Shastri <keyur.shastri@ves.ac.in>
To: lybpharm2020@ves.ac.in
Cc: MEHTA PARTH <mehta.parth@ves.ac.in>

[Quoted text hidden]

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Thu, Feb 11, 2021 at 7:02 PM

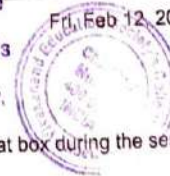
MEHTA PARTH <mehta.parth@ves.ac.in>
To: Keyur Shastri <keyur.shastri@ves.ac.in>

Received. Thank you sir
[Quoted text hidden]

Keyur Shastri <keyur.shastri@ves.ac.in>
To: MEHTA PARTH <mehta.parth@ves.ac.in>

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

Fri, Feb 12, 2021 at 11:59 AM



Dear Parth [Final Year CR]

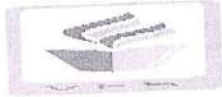
Please find below the link for an online visit to P & G MAP Lab. Do share it in the chat box during the session

<https://forms.gle/gP8TspUBvEin36ab6>

<https://mail.google.com/mail/u/0?ik=fed042e9c0&view=pt&search=all&permthid=thread-f%3A169140094485433278&siml=msg-f%3A16914009...> 1/3

1/24/21, 9:40 AM

Welcome to Vivekanand Education Society's



Keyur Shastri <keyur.shastri@ves.ac.in>

MAPLab Online Visit

8 messages

Thu, Feb 11, 2021 at 5:43 PM

Gulati, Inder <gulati.i@pg.com>
To: Keyur Shastri <keyur.shastri@ves.ac.in>, Supriya Shidhaye <supriya.shidhaye@ves.ac.in>, "Goel, Tarun"
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Thu, Feb 11, 2021 at 6:51 PM

Keyur Shastri <keyur.shastri@ves.ac.in>
To: lybpharm2020@ves.ac.in
Cc: MEHTA PARTH <mehta.parth@ves.ac.in>

[Quoted text hidden]

invite.ics
4K

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MEHTA PARTH <mehta.parth@ves.ac.in>
To: Keyur Shastri <keyur.shastri@ves.ac.in>

Received. Thank you sir
[Quoted text hidden]

Keyur Shastri <keyur.shastri@ves.ac.in>
To: MEHTA PARTH <mehta.parth@ves.ac.in>

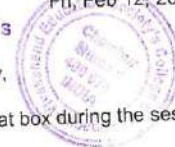
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<https://mail.google.com/mail/u/0/?ik=fed042e9c0&view=pt&search=all&permthid=thread-f%3A1691400944854333278&simpl=msg-f%3A16914009...> 1/3

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Procter&Gamble

Industrial Training Report (2020-21)

DATE: 12 FEBRUARY 2021

Parth Mehta

L.Y. B. Pharm

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



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

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PREFACE

I, Mr. **Parth Mehta**, of L.Y.B.Pharm, seat number 83521, have attended online industrial training at P&G located at VES College of Pharmacy.

I would like to thank Mr. Inder Gulati (Formulation R&D Lead), the Principal, Dr. (Mrs.) Supriya Shidhaye and my class co-coordinator Mr. Keyur Shastri for this valuable opportunity.

Mr. Parth Mehta

Mr. Keyur Shastri

(L.Y Bpharm Class-Coordinator)

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2	Analytical Laboratory (a)Analytical Guidelines (b)pH meter calibration (c)Dissolution (d) Buffer Preparation (e) High Performance Liquid Chromatography	5
3	Formulation Laboratory (a)Tablet Formulation (b)Gel Preparation (c)Flavors	1 3
4	Packaging unit	2 6
5	Stability Testing Room	3 1
6	Stores	3 3
7	Conclusion	3 6
8	Acknowledgement	3 7

Introduction to P&G

- **P&G**

P&G renames **Merck Limited** as **Procter & Gamble Health Ltd.** P&G is one of the largest and amongst the fastest growing consumer goods companies in India

Established in 1964, P&G India now serves over 650 million consumers across India. Its presence spans across the Beauty and Grooming segment, Household care segment as well as the Health and well-being segment, with trusted brands that are household names across India. Superior product propositions and technological innovations have enabled P&G to achieve market leadership in a majority of categories it is present in.

P&G operates under three entities in India - two listed entities '**Procter & Gamble Hygiene and Health Care Limited**' and '**Gillette India Limited**', as well as one 100% subsidiary of the parent company in the U.S. called '**Procter & Gamble Home Products**'.

- **P&G Consumer Health**

P&G provides products to consumers over 100 countries and lies in the top 20 bracket of most successful companies in the OTC industry.

P&G India is committed to sustainable growth in India, and is currently invested in the country via its five plants and over nine contract manufacturing sites, as well as through the 26,000 jobs it creates directly and indirectly. Their sustainability efforts focus on Environmental Protection as well as Social Responsibility to help develop the communities they operate in.

P&G over-the-counter products include cough and cold remedies, products to relieve headaches, muscle and joint pains, women and children's health products, and dietary supplements including probiotics and vitamins.

- **MAPLab**

It is a prototyping laboratory that has been set up for the research and development of innovator products, the analysis of these products, as well as for creating unique packaging, on a small scale.

The facility comprises of a Formulation Lab, an Analytical Lab, a Stability Testing Room, a Packaging Unit, an HPLC Room, Stores, a Conference/Meeting Room and an Office.

THE MAPLab Facility

Analytical Laboratory

The Analytical laboratory contains instruments and equipments related to various tests that are carried out on the products.

The test to be carried out often requires concentrated or corrosive solvents, and these are contained in the **Fume Hood** which is ductless.

1. There were various sections and equipments including:
 - Electrical Room
2. Instruments Room
 - pH meter
 - Vacuum oven
 - Oven
 - Disintegration Tester
 - Magnetic Stirrer
- Working Area

(a) Analytical Guidelines

These include the following

- The specific methodology which will be used to test a new product.
- Information regarding the importance of maintaining Laboratory Notebooks (LNBs).
- A specific aspect of laboratory operations.

- In house trial procedures.
- Method validation procedure.
- Cleaning validation analytical procedures.
- Process validation guidelines.
- Equipment validation guidelines.
- Product handling.

(b) pH Meter Calibration



pH meter is used for checking pH of various solutions. **Before measuring pH you have to calibrate** (standardize) **electrode**. To calibrate the electrode you need at least two solutions of known pH. Most commonly used commercially available calibration buffers have pH of 4.01, 7.00 and 10.00. Details of the calibration procedure depend on the pH meter model. The general method involves dipping of the electrode in the solutions of known pH values and noting down the reading and the corresponding slope and offset values at the end, which should be within the specified range.

Outside the hot room, the lab has a **MilliQ Water Filtration** (double de-ionized water) and **Prefiltration Unit**. There are **Magnetic Stirrers**, a **Chiller** that can be set below zero, at zero or above zero degrees temperature for chilling as suitable, and a **Shaking Water Bath**, used if samples need continuous shaking over a large period of time.

(b) Dissolution

Dissolution is the physicochemical process by which a solid substance enters the solvent phase to yield a solution.

The **Dissolution Tester** consists of eight dissolution cells, an auto sampler and a syringe pump. The auto sampler is mainly used when the samples need to be taken out at time intervals exceeding ten minutes. The auto sampler replenishes the media as well as dilutes the sample. It mimics the normal systemic conditions.



Dissolution Tester

The results of all analytical tests are obtained by the use of **High Performance Liquid Chromatography (HPLC)**. The **Server Room** within the Analysis Laboratory contains backup data for all the HPLC tests and readings.

Acceptance Table 1

Stage	Number Tested	Acceptance Criteria
S ₁	6	Each unit is not less than Q + 5%.
S ₂	6	Average of 12 units (S ₁ + S ₂) is equal to or greater than Q, and no unit is less than Q - 15%.
S ₃	12	Average of 24 units (S ₁ + S ₂ + S ₃) is equal to or greater than Q, not more than 2 units are less than Q - 15%, and no unit is less than Q - 25%.

USP APPARATUS			
USP APP.	DESCRIPTOIN	ROT. SPEED	DOSAGE FORM
Type 1	Basket apparatus	50-120rpm	Conventional tablets, chewable tablets, CR
Type 2	Paddle apparatus	25-50rpm	orally Disintegrating tablets, chewable tablets, CR, suspensions
Type 3	Reciprocating cylinder	6-35rpm	CR, chewable tablets
Type 4	Flow through cell apparatus	N/A	ER , poorly soluble API, powder, granules, microparticles, implants
Type 5	Paddle over disk	25-50rpm	Transdermal
Type 6	cylinder	N/A	Transdermal
Type 7	Reciprocating holder	30rpm	CR(non disintegrating oral and Transdermal)

The basket assembly consists of following parts:

- Covered vessel.
- Metallic Drive Shift.
- Motor.
- Cylindrical Basket.
- Water Bath.
- Auto sampler.

Method:

- The basket holds the sample and rotates in a round flask containing the dissolution medium.
- Out of the 8 flasks, 6 are used for sample analysis, 1 for reference and 1 or blank.
- The entire flask is immersed in a constant temperature water bath set at 37 degree Celsius.
- The rotating speed and the position of the basket must meet the specifications as per USP.
- The most common rotating speed for the basket is 100 rpm.

Working:

- The main operating principle of a paddle/basket apparatus is to provide a precise and controlled stirring and mixing mechanism at 37° C.
- The machine is automatic and it contains an LCD display system, where in the required information about time and volume of drawing out the sample, rotations per minute and the run time of the machine can be fed.
- The syringe pump, which is a part of the auto sampler, draws out required volume of sample.
- The sample that is drawn is collected in test tubes.
- The auto sampler then dilutes the sample to the required volume.
- Simultaneously, the media is also replenished in the stations.
- The diluted samples are then filled in vials and analyzed by HPLC.

The auto sampler of the dissolution tester can only be used when the time interval for drawing out sample is greater than ten minutes, as it needs sufficient time for diluting the sample and replenishing the media, as well as rinsing twice. If interval is below ten minutes, the process can be done manually.

(e) High Performance Liquid Chromatography

High Performance Liquid Chromatography (HPLC), is a technique in analytical chemistry used to **separate, identify, and quantify** each component in a mixture. HPLC is basically a highly improved form of column liquid chromatography.

Principle:

HPLC works on the **principle** that some molecules take longer than others to pass through a chromatography column. This depends on the affinity of the molecule with the mobile phase (liquid or gas) and the stationary phase (solid or liquid).

Instrumentation:

Main components in an HPLC system include the solvent reservoir, or multiple reservoirs, a high- pressure pump, a column, injector system and the detector.

Reservoir

The reservoir holds the solvent, which is referred to as the mobile phase because it moves. There are usually a minimum of two reservoirs in a system. At the MAPLab facility, usually four ports are used for the mobile phase, out of which one is for the washing solution.

Pump

A pump is used to generate a specified flow of the mobile phase.

Injector and auto-sampler

Although manual injection of samples is still possible, most HPLCs are now fully automated and controlled by computer. The injector, or auto sampler, introduces the solvent into a phase stream that carries the sample into the high pressure (up to 400 bar) column.

Column

The column contains specific packing material needed to effect separation. The packing material is referred to as the stationary phase because it is held in place by the column hardware.

Detector

A detector is needed to see the separated compound bands as they elute from the high pressure column. The information is sent from the detector to a computer which generates the chromatogram. The mobile phase exits the detector and is either sent to a waste, or collected, as desired.

Detectors used in HPLC:

There are two main types of detectors that can be used in HPLC, each of which have several types.

- i) Selective Detectors.
 - Photo diode array (PDA) detectors
 - UV-visible detectors
 - Fluorescence detectors

- ii) Universal Detectors
 - Refractive index detectors



High Performance Liquid Chromatography

Formulation Laboratory

The Formulation Lab, as the name suggests, is the laboratory where in research and development is done to optimize the formula for new formulations. The equipment and instruments are useful for formulating and well as testing the quality and certain other parameters. This lab is further subdivided into three other chambers.

- 1) Granulation Chamber
- 2) Compression Chamber
- 3) Coating Chamber
- 4) Formulation Area

(A) Tablet Formulation:

The stages involved in tablet formulation are Dispensing, Sieving, Blending, Granulation, Drying, Compression and Coating.

- (1) **Dispensing:** Dispensing is done with the help of weighing balance as per the amount specified in the formula.
- (2) **Sieving:** Done for maintaining uniform size distribution. Various sieves of varying aperture is use for sieving. Increase in sieve number corresponds to decrease in aperture size.
- (3) **Blending:** Done with the help of blender or manually with the help of polybag.
- (4) **Granulation:** Done using Rapid Mixer Granulator

The **Granulation Chamber** has instruments useful in preparation, drying and size reduction of granules.

INSTRUMENT	FUNCTION AND PRINCIPLE
Rapid Mixer Granulator (RMG)	Granulation: Designed for powder mixing. The impeller sets the entire mixture in a whirling, rising, tumbling motion. The large lumps occurred during wet mixing are broken up, by the strategically located high speed chopper.
Extruder	Forms noodle-like extrudes of the feed.
Spheronizer	The extrudes are then converted into spherical, uniform granules
Fluid Bed Dryer	Drying of granules/ powders: Works on the principle of fluidization of the feed material. Hot air flowing through a bed of solid powdered material in the upward direction with a speed more than the setting speed of the particles, causes solid particles to be blown up and get suspended in the air stream.
Electromagnetic Sieve Shaker	Sieving, Particle Size Analysis, Particles Size Reduction: Based on principle of electromagnetic induction. An electromagnetic drive sets a spring mass system in motion and transfers oscillation to the sieve stack. Sample is subjected to a 3D movement and is distributed uniformly across the whole sieve area



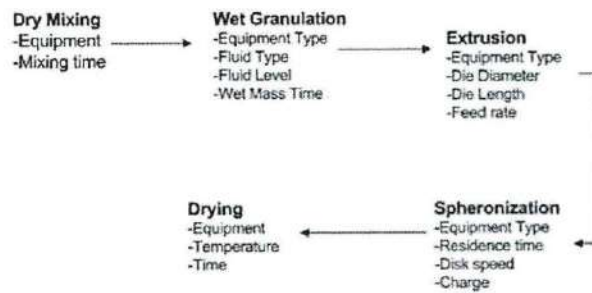
Extrusion and Sphronization

Extrusion is the production of rod shaped particles of uniform diameter from the wet mass.

Sphronization is the production of small spheres or spheroids with diameter ranging from 0.5mm to 1mm.



Extrusion/Sphronization
Process Flow Chart and Variables



Advantages of Extrusion and spheronization :

- Optimum shape for coating and for controlled release.
- Elimination of dust.
- Improved hardness and friability.
- Optimum flow and Handling characteristics. Equipments used for Extrusion and Spheronization
- Screw feed extruder.
- Micro Spheronizer.

Evaluation of Powder Blend

Evaluation of the powders after blending is important to check whether or not they have suitable properties, especially flowability and compressibility. The tests for evaluating the powders are described below.

1) Bulk density:

The bulk density of a powder is the ratio of the mass of an untapped powder sample and its volume including the contribution of the inter-particulate void volume. Hence, the bulk density depends on both the density of powder particles and the spatial arrangement of particles in the powder.

Bulk density gives an idea about how much powder can be filled into the die during tableting.

2) Tapped density:

It is obtained by mechanically tapping a graduated measuring cylinder or vessel containing the powder sample.

Tapped density gives an idea about the flowability and the compressibility of the powder.

3) Angle of Repose:

The angle of repose (θ) is the angle formed by the horizontal base of the bench surface and the edge of a cone-like pile of powder. It is a characteristic related to inter- particulate friction or resistance to movement between particles.

Tells us about the flow properties of the powder : A powder that has poor flow will not flow easily from the hopper and may sometimes also cause rat holing and bridging in the hopper.

Flow property	Angle of repose (θ)
Excellent	25-30
Good	31-35
Fair-aid not needed	36-40
Passable-may hang up	41-45
Poor-must agitate, vibrate	46-55
Very poor	56-65
Extremely poor	>66

4) Carr's Compressibility Index:

Carr's compressibility index is an indirect measure of bulk density, size, shape, surface area, moisture content and cohesiveness of materials because all these factors can influence the value of the compressibility index.

(5) Hausner's Ratio

Flow Character	Hausner Ratio	CI (%)
Excellent/very free flow	1.00-1.11	≤10
Good/free flow	1.12-1.18	11-15
Fair	1.19-1.25	16-20
Passable	1.26-1.34	21-25
Poor/cohesive	1.35-1.45	26-31
Very Poor/very cohesive	1.46-1.59	32-37
Very, very poor/ approx. non-flow	>1.60	>38

(6) Compression:

The **Compression Chamber** essentially has a tablet press for tablet compression. It is a multiple station rotary tablet press (10 stations) for small-scale tablet compression. This machine can be used for compressing single layer or multilayer (bi-layer, tri-layer) tablets. For multilayer tablets, it is ensured that the heavier layer is deposited first, so that there is no mixing between the two layers. Additionally, the dust collector also prevents mixing between layers and collects excess powder. The system also provides an operating interface, which helps to specify the parameters of the tablet, such as thickness of each layer.

Parts of Multiple Station Rotary Tablet Press :

- **Hopper:** holds powder you intend to press
- **Die cavity:** it determines the size, type and texture of tablets
- **Feed paddle:** directs material into the die cavity
- **Punches & dies:** they help to compress powder into tablets
- **Cam tracks:** they guide the upper and lower punches.

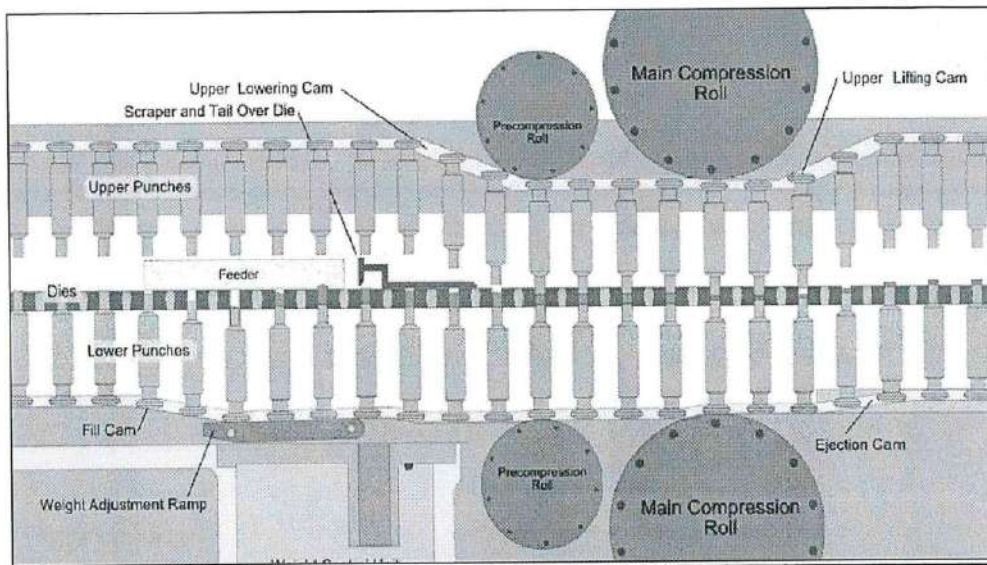
- **Capacity controls:** it ensures proper filling of the die cavity
- **Compressors:** they may include pre-compression and main compression systems. This compresses the powder into a desired tablet.
- **Ejection cam:** this helps to remove tablets from the die cavity
- **Take-off blade:** deflects tablets into discharge chute
- **Control system:** controls and coordinates most functions of the machine

Tablet Tooling

Tablet compression machines are made in keeping in view the type of dies and punches will be used on them, The dies and punches and their setup on compression machine is called tooling, it is classified as B and D mainly.

The B tooling dies and punch can be further have specifications as BB and D tooling can also be dies and punches can be utilised on B tooling machine which is called as DB

Type Of Tooling	Punch Diameter. (in mm)	Die Diameter. (mm)/(inch)	Punch Length (mm)/inch	Max. Tab. Size (mm) Round/Capsule
'B'	19	30.15/ 1.187	133.60	16/19
'D'	25.4	38.1/1.50	133.60	25/25
'BB'	19	24/0.945	133.60	13/14
'DB'	25.4	30.15/1.187	133.60	19/19



Coating :

The **Coating Chamber** consists of an automatic coating pan. At MAPLab, the types of coating that are usually done include enteric coating and film coating. Sugar coating is not done due to multiple steps in the process that makes it a complex procedure.

The auto coater is a three-phase system which employs the use of compressed air. The tablets are placed in a perforated pan in a drum which rotates continuously in an orbital manner. During this motion of tablets, the spray nozzle sprays coating solution automatically in a rational manner to avoid excess or uneven coating. Angled baffles are fitted onto the drum which causes the tablets to be raised and turned from the side of the drum, onto the centre where they can be coated. Hot air is sprayed simultaneously, to allow the drying of coated tablets. The regulation of air allow for maintenance of the drum pressure relative to that of the external

environment, ensuring an isolated process. The temperatures of the inlet and exhaust can be fed onto the system, as can other parameters such as spray rate. The system will ensure then that the coating conforms to the specifications.

Important considerations:

1. Care should be taken that the temperature difference between the inlet and exhaust should not exceed 20°C in order to avoid drying of the coated tablets at a very fast rate, which will lead to orange peel effect (rough appearance) on the tablet surface.
2. Dilution of coating solution is critical and should be optimized such that the coating process does not take very long and the nozzle will not get blocked.

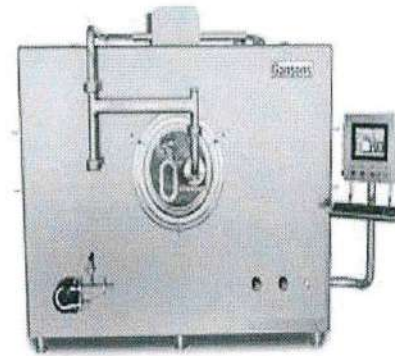
Other instruments present in the Formulation laboratory are given below:

- 1) Halogen Moisture Analyzer
- 2) Magnetic Stirrer and Heater
- 3) Quadro Co-mill
- 4) Ultra-Turrax
- 5) Overhead Stirrer
- 6) Weighing Balance
- 7) Automatic Capsule Filling Machine
- 8) Rota Evaporator
- 9) Centrifuge
Machine
- 10) Karl Fischer
Titrator
- 11) Texture
Analyzer
- 12) Ultra-Sonicator

- 13) Blender (multipurpose equipment)
- 14) Disintegration Apparatus
- 15) Friability Tester (LabIndia)
- 16) Tapped Density Tester (LabIndia)
- 17) 3D Printer



Multiple Station tablet press



Ganson Tablet Coater



Magnetic stirrer



Halogen moisture analyzer

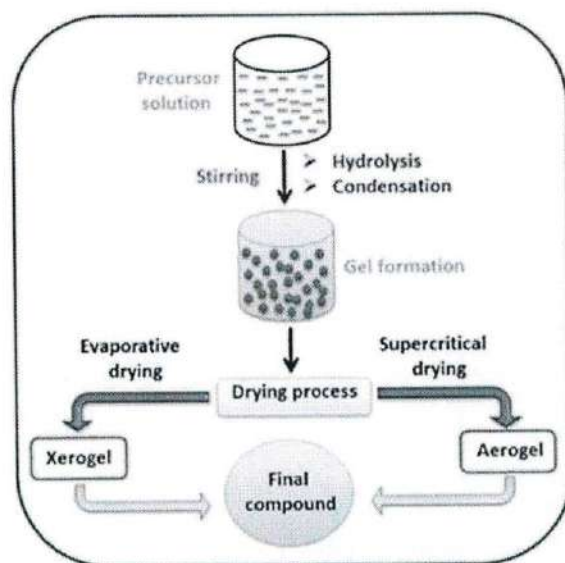
(B) Gel Preparation :

A **gel** is a solid jelly-like soft material that can have properties ranging from soft and weak to hard and tough. Gels are defined as a substantially dilute cross-linked system, which exhibits no flow when in the steady-state. By weight, gels are mostly liquid, yet they behave like solids due to a three-dimensional cross-linked network within the liquid. It is the cross linking within the fluid that gives a gel its structure (hardness) and contributes to the adhesive stick (tack). In this way gels are a dispersion of molecules of a liquid within a solid in which **liquid** particles are **dispersed** in the **solid medium**.

A gel formulation includes a :

Gelling agent such as carbomers, hydroxyethyl cellulose, and hydroxypropyl cellulose are the most widely used—and solubilizers. Depending on the excipients used, a gel can be transparent (most common), translucent, or opaque. Gelling agent can be of natural or synthetic origin.

Viscosity building agent such as glycerine, propylene glycol, etc can be added.



Equipments used for stirring in gel preparation include :

- Magnetic stirrer (Cole parmer) (ultra turrax)
- Mechanical stirrer
 - Overhead stirrer- have cutters
 - Lab stirrer(Remi motor)- have petals

Gels was prepared using various natural hydrocolloids, by mixing them in different proportions, to get gels of varied viscosity and appearance.

Packaging Unit

At the Packaging Unit of P&G MAPLab, prototype packaging is designed and created. For this purpose, there is a specialized **Digital Cutter**, **3D printer**, **Pneumatic Sealer** as well as a machine for **Blister Packing**.

Digital Cutter

The **Digital Cutter** that is used for creating prototype packaging, has two functions:

- i) To **cut** the packaging material at designated areas in defined shapes and sizes as specified in the design.
- ii) To **fold** the packaging material at designated areas specified in the design.

The required packaging is designed on the computer using a special software. The dimensions are specified, as are the area that need to be cut or folded. It is then fed onto a pen drive. The Cutter contains a provision for fitting the pen drive to its system. Now based on the design, the cutter makes markings accordingly on the sheet of packaging material placed on the surface. Subsequent cuts or fold lines are made at the requisite places. Boxes of different types of paper and cardboard can be created using this equipment. Apart from the digital cutter, prototype package can also be printed three-dimensionally with the help of the 3D Printer. Plastic packaging for various dosage forms is usually 3D printed. Like in digital cutter, 3D printing also requires a preformed design to be fed onto the system. Based on this design, the cartridge present in the printer melts and extrudes plastic along the design and hence creates a solid, three- dimensional package.

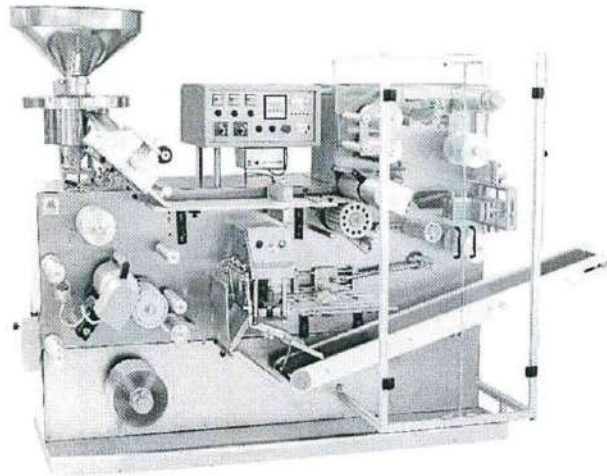
Blister Packing Machine

Blister packing is a type of packaging that is used mainly for solid dosage forms such as tablets and capsules.

The main advantages of unit-dose blister packs over other methods of packing pharmaceutical products are the assurance of product/packaging integrity of each individual dose and the ability to create a compliance pack or calendar pack by printing the days of the week above each dose. They provide barrier properties and to a certain extent, also provide tamper evidence.

At the MAPLab, two types of blister packs are possible to be made using the blister packaging machine: Aluminium-Plastic and Aluminium-

Aluminium. The temperature, pressure and other parameters can be controlled. The machine used is a table-top blister packaging machine that mainly used for stability studies. Depending on the blister packing that is desired, the top roller will accordingly have the appropriate material to form the lidding. The side roller, which is used for the forming film, always has aluminium foil.



3D Printer

Prototype package can also be printed three dimensionally with the help of the 3D Printer. Plastic packaging for various dosage forms is usually 3D printed. Like in digital cutter, 3D printing also requires a preformed design to be fed onto the system. Based on this design, the cartridge present in the printer melts and extrudes plastic along the design and hence creates a solid, three dimensional package.

3D printing or additive manufacturing is a **process of making three dimensional solid objects from a digital file.**

The creation of a 3D printed object is **achieved using additive processes**. In an additive process an object is created by laying down successive layers of material until the object is created. Each of these layers can be seen as a thinly sliced horizontal cross-section of the eventual object.

There are many different branded 3D printing processes that can be grouped into seven categories based upon the way the layers are deposited to create parts.

- Vat photo-polymerization
- Material jetting
- Binder jetting
- Powder bed fusion
- Material extrusion
- Directed energy deposition
- Sheet lamination

Applications in Pharmaceutical Industry

- **Personalized drug dosing**

A doctor or a pharmacist would be able to use each patient's individual information such as age, race, gender to produce their optimal medication dose, rather than relying on standard set of dosages.

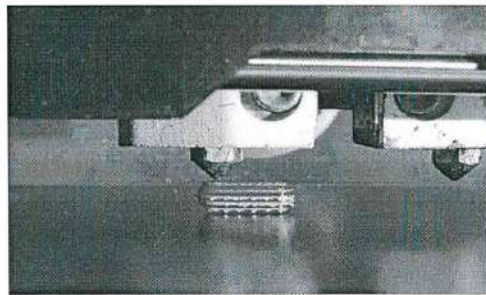
- **Multiple layered Tablet**

Allows tablet to be printed in complex structured layers which can be used to treat multiple ailments at once. The idea is to give patients one single pill which will treat multiple ailments.

- **Complex drug release profiles**

Used to print drugs to facilitate targeted and controlled drug release by printing a binder onto a matrix powder bed in layers.

This creates a barrier between the active ingredients, allowing researchers to study the variations of the release more closely.



Smart Pneumatic Sealer:

It is being used for manufacturing and sealing of pouches which are being used for packaging of various dosage forms.

Stability Testing Chamber

The Stability Testing Room contains stability chambers, each of which has specific temperature and humidity conditions, as specified by the guidelines provided by the **International Council for Harmonization** of Technical Requirements for Pharmaceuticals for Human Use (**ICH Guidelines**).

The ICH Guidelines regarding stability zones and testing conditions are as follows:

ICH Stability Zones

Zone	Type of Climate
Zone I	Temperate zone
Zone II	Mediterranean/subtropical zone
Zone III	Hot dry zone
Zone IV	Hot humid/tropical zone
Zone IVb	ASEAN testing conditions hot/higher humidity

Long Term Testing Conditions

Climatic Zone	Temperature	Humidity	Minimum Duration
Zone I	21°C ± 2°C	45% rH ± 5% rH	12 Months
Zone II	25°C ± 2°C	60% rH ± 5% rH	12 Months
Zone III	30°C ± 2°C	35% rH ± 5% rH	12 Months
Zone IV	30°C ± 2°C	65% rH ± 5% rH	12 Months
Zone IVb	30°C ± 2°C	75% rH ± 5% rH	12 Months
Refrigerated	5°C ± 3°C	No Humidity	12 Months
Frozen	-15°C ± 5°C	No Humidity	12 Months

Accelerated and Intermediate Testing Conditions

Climatic Zone	Temperature	Humidity	Minimum Duration
Accelerated Ambient	40°C ± 2°C	75% rH ± 5% rH	6 Months
Accelerated Refrigerated	25°C ± 2°C	60% rH ± 5% rH	6 Months
Accelerated Frozen	5°C ± 3°C	No Humidity	6 Months
Intermediate	30°C ± 2°C	65% rH ± 5% rH	6 Months

Stores

At the MAPLab facility, there are five different chambers for stability studies. Four of these have the appropriate testing conditions of temperature and relative humidity, while the fifth is a control.

TEMPERATURE	RELATIVE HUMIDITY	DURATION OF STUDY
25° C	% 60	Long-term
30° C	% 65	Intermediate
30° C	% 75	Intermediate
40° C	% 75	Accelerated
5°	-	Control

The **Storage area** is a specialized area that is allocated for the storage of the raw materials required for the formulation i.e. the excipients and the API as recommended by the manufacturers .The storage area is an organized system consisting of various racks placed in a clean environment having controlled temperature and humidity conditions. The raw materials are classified according to the manufacturer and the type of excipient and stored on the shelves on each rack. Alphanumeric codes are assigned to each container of the raw material. These codes are tabulated and a cumulative excel spreadsheet is maintained on the computer, for easy reference of the location of a particular container.

The important aspects considered for storing raw materials are:

- Liquids are stored in the racks separate from the solids.
- Larger and heavier containers or the drums are stored on the lower racks for easy access, whereas lighter and smaller containers are placed on the higher racks.
- Powders are doubly wrapped in polybags, secured by a rubber band and placed in an external container.
- Desiccants are placed in external containers to prevent moisture from attacking the material.

The labeling on the storage container consists of:

- Name of the product.
- Batch No.
- Certificate of Analysis (COA) no.
- Rack No.

The excel sheet consists of the following information:

- Sr. No. And COA No.
- Brand Name.
- Chemical constituents.
- Batch No.
- Supplier and Manufacturer.
- Receiving Date.
- Expiry Date.
- Quantity Received.
- Quantity Left.
- Excipients or API.

Certificate of Analysis (COA)

Every raw material has a certificate of analysis which is the proof of the quality of the material. Before storage of the raw materials it is essential to check the COA.

It is the document issued by the quality assurance that confirms that the regulated product meets its product specification. They commonly contain the actual results obtained from the testing performed as a part of quality control of an individual batch of a product. Every incoming material is verified with its COA, before being stored.

This certificate should contain the name of the material, batch number, release date, expiry date, test performed with limits, numerical results, dated signature by an authorized personnel, and the name of the company or a laboratory.

Given below is a COA template.

Template-Certificate of Analysis (Ref. SOP LAB-030)			
CERTIFICATE OF ANALYSIS			
Certificate Number		Supplier:	
Product Code		Manufacturer's Batch No	
Product Name		Sydco's Lab. Batch No	
Date of Manufacture		Expiry Date	

The undersigned hereby certifies the following data to be true specification of the obtained results of tests and assays.

Tests	Results	Specifications (BP)
Appearance		Conforms
Identity		Conforms
Carbonates		Less than Ph 8.6
Solubility		Conforms
Ammonium		Less than 20 ppm
Calcium		Less than 100 ppm
Arsenic		Less than 2 ppm
Heavy Metals		Less than 2 ppm
Iron		Less than 20 ppm
Sulphates		Less than 150 ppm
Chlorides		Less than 150 ppm
Appearance of solution		Conforms
Micro Status		Conforms

_____ DATE OF RELEASE	_____ LABORATORY MANAGER
--------------------------	-----------------------------

COMPANY ADDRESS:	CONTACTS:

P & G MAP LAB ONLINE VISIT 12-02-2021 Final Year B Pharm Academic Year 2021-22

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2-12-2021 13:40:21	aya.sameer@ves.ac.in	Sameer Aya	86620 Aya.sameer@ves.ac.in	9028736398
2-12-2021 13:40:31	tanisha.girish@ves.ac.in	Tanisha Rangnekar	52 tanisha.girish@ves.ac.in	9967519850
2-12-2021 13:40:35	lund.pasham@ves.ac.in	Pasham lund	75620 Lund.pasham@ves.ac.in	9764434249
2-12-2021 13:40:37	chheda.sweety@ves.ac.in	Sweety Chheda 08	chheda.sweety@ves.ac.in	9768887657
2-12-2021 13:40:43	singh.nandani@ves.ac.in	Nandani Sachidanand Singh	84921 singh.nandani@ves.ac.in	09768569608
2-12-2021 13:40:50	gupta.saloni@ves.ac.in	Saloni Gupta	20 salonig813@gmail.com	8169288124
2-12-2021 13:41:00	jain.manav@ves.ac.in	Manav Jain	22 jain.manav@ves.ac.in	9870186815
2-12-2021 13:41:00	kadam.sayali@ves.ac.in	Sayali Kadam	24 kadam.sayali@ves.ac.in	9757381717
2-12-2021 13:41:03	ghosh.priyanka@ves.ac.in	Priyanka Ghosh	17 ghosh.priyanka@ves.ac.in	9619429514
2-12-2021 13:41:04	frederick.john@ves.ac.in	Frederick John	81520 frederick.john@ves.ac.in	9224425892
2-12-2021 13:41:06	wani.rohan@ves.ac.in	Rohan Ramesh Wani	69 wani.rohan@ves.ac.in	7738243601
2-12-2021 13:41:12	mattar.gurpreet@ves.ac.in	Gurpreet Kaur Mattar	34 mattar.gurpreet@ves.ac.in	9892284416
2-12-2021 13:41:15	kowlagi.madhura@ves.ac.in	Madhura Kowlagi	32 kowlagi.madhura@ves.ac.in	8082717729
2-12-2021 13:41:27	juthani.jay@ves.ac.in	Jay Bharat Juthani	23 juthani.jay@ves.ac.in	+917045026942
2-12-2021 13:41:31	vinita.anand@ves.ac.in	Vinita Wadhvani	54 vinita.anand@ves.ac.in	9167080818
2-12-2021 13:41:49	sahu.abhishek@ves.ac.in	Abhishek sahu	43 sahu.abhishek@ves.ac.in	8104761270
2-12-2021 13:41:51	yadav.saurabh@ves.ac.in	SAURABH YADAV	64 yadav.saurabh@ves.ac.in	8652135130
2-12-2021 13:41:51	gudalkar.sonali@ves.ac.in	Sonali Gudalkar	18 gudalkar.sonali@ves.ac.in	9967405877
2-12-2021 13:41:57	abel.biju@ves.ac.in	Abel Biju 01	abel.biju@ves.ac.in	9619203068
2-12-2021 13:41:57	vishal.thale@ves.ac.in	Vishal Thale	55 vishal.thale@ves.ac.in	8879851107
2-12-2021 13:42:04	khatnani.anushka@ves.ac.in	Anushka Khatnani	30 khatnani.anushka@ves.ac.in	9637105351
2-12-2021 13:42:05	dhavan.divya@ves.ac.in	Divya Dhavn	81320 dhavan.divya@ves.ac.in	7718097634

2-12-2021 13:42:14 deria.shiekha@ves.ac.in Shiekha Swapankumar De
2-12-2021 13:42:36 ashar.umang@ves.ac.in Umang Ashar 03
2-12-2021 13:42:38 kokare.shubham@ves.ac.i Shubham Kokare
2-12-2021 13:42:38 merota.vipina@ves.ac.in Vipina Merota
2-12-2021 13:42:58 chaube.rishabh@ves.ac.in Rishabh Chaube 07
2-12-2021 13:42:58 gaikwad.akshay@ves.ac.ir Akshay Gaikwad
2-12-2021 13:43:10 lodh.hitesh@ves.ac.in Hitesh Sundarlal Lodh
2-12-2021 13:43:32 sawant.bhakti@ves.ac.in Bhakti Sawant
2-12-2021 13:43:56 kargutkar.purva@ves.ac.ir Purva Kargutkar
2-12-2021 13:43:57 tiwari.yuragika@ves.ac.in Yuragika Tiwari
2-12-2021 13:44:00 kanade.ankita@ves.ac.in ANKITA KANADE
2-12-2021 13:44:14 arushee.rakesh@ves.ac.in Arushee Khanduri
2-12-2021 13:44:21 shah.hardik@ves.ac.in Hardik Shah
2-12-2021 13:44:43 parab.omkar@ves.ac.in Omkar Parab
2-12-2021 13:45:16 gupta.beauty@ves.ac.in Beauty Gupta
2-12-2021 13:45:49 soni.surbhi@ves.ac.in Surbhi Soni
2-12-2021 13:46:37 nijhawan.harsh@ves.ac.in Harsh Nijhawan
2-12-2021 13:46:37 dukhande.siddhi@ves.ac.i Siddhi Dukhande
2-12-2021 13:47:18 kadam.sayali@ves.ac.in Sayali Kadam
2-12-2021 13:49:42 bhoite.madhura@ves.ac.ir Madhura Jaywant Bhoite 05
2-12-2021 13:50:07 deole.prajakta@ves.ac.in Prajкта Kavish Deole
2-12-2021 13:50:29 singhvi.prachi@ves.ac.in Prachi Singhvi
2-12-2021 13:50:42 thawani.lokesh@ves.ac.in Lokesh Thawani
2-12-2021 13:50:42 pandit.parth@ves.ac.in Parth pandit
2-12-2021 13:53:27 pansande.chaitanya@ves. Chaitanya Chandrashekha
2-12-2021 13:55:03 sharma.nisha@ves.ac.in Nisha Sharma
2-12-2021 13:55:20 khan.abdul@ves.ac.in Abdul Hameed Khan
2-12-2021 13:56:23 khan.abdul@ves.ac.in Abdul Hameed Khan
2-12-2021 13:57:23 shah.harshil@ves.ac.in Harshil shah
2-12-2021 14:02:44 choudhary.ashok@ves.ac. Ashok Choudhary
2-12-2021 14:06:20 chimane.bhairavee@ves.a Bhairavee Bandu Chimane 09
2-12-2021 14:06:29 soni.jyoti@ves.ac.in Jyoti Soni
2-12-2021 14:06:33 chaube.rishabh@ves.ac.in Rishabh Chaube 07

81221 deria.shiekha@ves.ac.in 9920405562
ashar.umang@ves.ac.in 7045887161
83120 kokare.shubham@ves.ac.i 9594175138
36 merota.vipina@ves.ac.in 9920596159
chaube.rishabh@ves.ac.in 9987179077
16 gaikwad.akshay@ves.ac.ir 9082620256
61 lodh.hitesh@ves.ac.in 09920056325
45 sawant.bhakti@ves.ac.in 8779359505
26 kargutkar.purva@ves.ac.ir 8879447091
85320 tiwari.yuragika@ves.ac.in 9082129172
25 kanade.ankita@ves.ac.in 9221213440
70220 arushee.rakesh@ves.ac.in 9769743117
84621 shah.hardik@ves.ac.in 7021518772
84221 parab.omkar@ves.ac.in 9987991682
86020 gupta.beauty@ves.ac +919022355706
51 Soni.surbhi@ves.ac.in 08828082110
38 nijhawan.harsh@ves.ac.in 9619450163
81420 dukhande.siddhi@gmail.cc 9004860312
24 kadam.sayali@ves.ac.in 9757381717
bhoite.madhura@ves.ac.ir 07021563037
11 deole.prajakta@ves.ac.in 7400208850
65 singhvi.prachi@ves.ac.in 8433626265
75720 thawani.lokesh@ves.ac.in 9699493999
7208687158 pandit.parth@ves.ac.in pandit.parth@ves.ac.in
41 pansande.chaitanya@ves. 07208271221
47 sharma.nisha@ves.ac.in 07208731578
82821 khan.abdul@ves.ac.in 9869753275
82821 khan.abdul@ves.ac.in 9869753275
68 Shahharshil7777@gmail.c 9004123431
58 choudhary.ashok@ves.ac. +918879428237
chimane.bhairavee@ves.a 7045635257
50 soni.jyoti@vess.ac.in 9653367940
chaube.rishabh@ves.ac.in 9987179077

Attendance for FY B Pharm Industrial Visit (24_06_2021) (Responses)

V.E.S. College of Pharmacy

Timestamp	Email Address	Full Name	Division	Roll Number	Attach a Screenshot of the you watching a screen with time on it
6/24/2021 15:03:19	chaudhari.divyesh.bp202@ves	Divyesh chaudhari	A	20821	https://drive.google.com/open?id=1KXjywBlguwWfRny08wUc6d2pl6Tt5Af
6/24/2021 15:03:55	sarak.rohit.bp2020@ves.	Rohit Abasaheb Sarak	A	42	https://drive.google.com/open?id=1tv1SRkZu-p18YkQpW7JXO_vV-JzEverU
6/24/2021 15:04:10	nadgoud.nidhi.bp2020@v	Nidhi Sanjeev Nadgoud	A	22521	https://drive.google.com/open?id=1HzUCovINDQb5SNNvUdcyuldBtT2h3p_
6/24/2021 15:04:16	shaikh.madiha.bp2020@v	Shaikh	B	96	https://drive.google.com/open?id=1dXpubFeDHfwSJEgsgHVp1sDgaduIR-3v
6/24/2021 15:04:17	raut.kshitija.bp2020@ves	Kshitija Mahendra Raut	B	29121	https://drive.google.com/open?id=1VRXaYe0ZqYHh69KquVDOQ2nsyTtpQUYq
6/24/2021 15:04:18	prabhu.mohit.bp2020@ve	Mohit Prabhu	A	36	https://drive.google.com/open?id=1CiKllipUFLMr8lFQAOjYfp2fmV-Q2xQ
6/24/2021 15:04:31	dalvi.kasturi.bp2020@ves	Dalvi Kasturi Bhanudas	B	58	https://drive.google.com/open?id=1WcpcHE83UguyVKDe8PK5F4S55KeNTI0g
6/24/2021 15:04:47	saste.aditya.bp2020@ves	Aditya Rajesh Saste	A	43	https://drive.google.com/open?id=1BgNI_-MSDmf48yxW_Wvt2rXEQnLYLNIEZ
6/24/2021 15:04:50	sapkal.aditya.bp2020@ve	ADITYA SATISH SAPKAL	A	24121	https://drive.google.com/open?id=1hu_j8WnBI669mkVeK5WwifAGYc_nXcbuy
6/24/2021 15:04:53	pawar.vishal.bp2020@ve	Vishal krishnat pawar	B	89	https://drive.google.com/open?id=1-k5dds01A0h9wU03WbwKRQhrDufwUvI
6/24/2021 15:05:22	kahar.pragya.bp2020@ve	Pragya Kahar	A	20	https://drive.google.com/open?id=1r_jht_Rv_UApY4T0Q-fzQIVkAJmLTy6d
6/24/2021 15:05:22	mukadam.tahooraa.bp202	Tahooraa Javid Mukadam	B	28221	https://drive.google.com/open?id=1qCw8E7Nheez0x84M5iBeN5xjICW2kfy
6/24/2021 15:05:37	chaudhari.krish.bp2020@	Krish.Mahendra Chaudha	A	20921	https://drive.google.com/open?id=13vcv8ZYOfu-egQloa6zZOnQ6m5vUkxt
6/24/2021 15:05:38	singh.om.bp2020@ves.ac	Om Singh	A	24921	https://drive.google.com/open?id=15qqAK4wPWLxREpTQvghZ59vGstn1kL-b
6/24/2021 15:05:56	mudaliar.nandini.bp2020@	Nandini Mudaliar	B	81	https://drive.google.com/open?id=1OZZvTh9ZSR16vqgPRik4SMawVTPBRu9n
6/24/2021 15:06:04	parihar.harsh.bp2020@ve	Harsh Bhavar Parihar	B	86	https://drive.google.com/open?id=1DwU7JbOINg5bh_M-ya6yVvu5z6cdxbLf
6/24/2021 15:06:04	parab.kishori.bp2020@ve	PARAB KISHORI RAVIN	A	26	https://drive.google.com/open?id=1fol1NSxXeissY1WU11fHamstpxq57fM
6/24/2021 15:06:33	sawant.gauri.bp2020@ve	Gauri sawant	B	95	https://drive.google.com/open?id=17jqnYdDbW-CrQW6PwyRwv6aypwG8bf_D
6/24/2021 15:06:42	avhad.anuj.bp2020@ves.	Anuj Avhad	A	03	https://drive.google.com/open?id=1TDKL55KPItrIqvGata6u1v17ChV9wV2P
6/24/2021 15:06:46	kumari.sneha.bp2020@ve	KUMARI SNEHA	B	27721	https://drive.google.com/open?id=1_WmOm3xiHU2WY7EBuG57rcngn32KZyb
6/24/2021 15:06:47	salian.nirav.bp2020@ves.	Salian Nirav Ganesh	B	93	https://drive.google.com/open?id=10DixYu7HpdXZ5wrUXGA5V-gJc7rBsN5r
6/24/2021 15:06:56	sonawane.kirti.bp2020@v	Kirti sonawane	B	98	https://drive.google.com/open?id=17KRbYS7JZh8-ben10w9rR0_fiyXqbfR
6/24/2021 15:07:01	khedkar.pratiksha.bp2020	Khedkar Pratiksha Pandu	A	22	https://drive.google.com/open?id=1yJCHUGo3wVjvi51leVpl_QbPvlt3u95q
6/24/2021 15:07:01	batra.kunjai.bp2020@ves	Kunjai girish batra	B	25421	https://drive.google.com/open?id=1Rbb1jMjYfTmHfrf6vf_alopvcAT6De
6/24/2021 15:07:37	thanvi.soundarya.bp2020	Soundarya Harish Thanvi	B	101	https://drive.google.com/open?id=1DGQRX8jBj8QERLkS-32yDp7BivjzicV8
6/24/2021 15:07:39	sahita.rishabh.bp2020@v	Sahita Rishabh Tarun	A	40	https://drive.google.com/open?id=1cniGoxj7o6-JIRT-KJ4-gkWpInIX-6Ho
6/24/2021 15:07:51	soni.mansi.bp2020@ves.	Mansi Vijaykumar Soni	B	99	https://drive.google.com/open?id=1q-fkiZplHqLDXNoN8diNOCPMHBGGGouZ
6/24/2021 15:07:53	sharma.ekta.bp2020@ve:	Ekta sharma	A	46	https://drive.google.com/open?id=1E9rWvNAhsdrnXKwJEZ4vdiETK0DOScoR
6/24/2021 15:08:04	jain.darsh.bp2020@ves.a	Darsh Nirmal Jain	A	18	https://drive.google.com/open?id=1uOIG0UNTDEazIT2VHYm1_dPjHJf0vk8v
6/24/2021 15:08:06	bhosale.rutuja.bp2020@v	Rutuja Suhas Bhosale	B	25521	https://drive.google.com/open?id=1GpyRhuTScgZTX747ARXhRgv3i51xl4tm
6/24/2021 15:08:08	shrouti.saniya.bp2020@v	Saniya Shrouti	B	97	https://drive.google.com/open?id=1bGPjxymFex2S4DGq497plh1X9AIBliSW
6/24/2021 15:08:12	savratkar.tarun.bp2020@	Tarun Milind Savratkar	B	29421	https://drive.google.com/open?id=1Gm2P_V7tqI9Qnx66110iu-6HGdFNrGiT
6/24/2021 15:08:18	tanish.verma.bp2020@ve	Tanish Verma	B	103	https://drive.google.com/open?id=14xOicineaUd_oEJ8WRy0eP7siBIToFC3
6/24/2021 15:08:19	patil.gaurav.bp2020@ves	Gaurav sudam patil	B	105	https://drive.google.com/open?id=1WqVvSMj9vntcUZ6d4CNeDp3zblneT0p

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 Chembur, Mumbai - 400 074.



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Attendance for FY B Pharm Industrial Visit (24_06_2021) (Responses)

V.E.S. College of Pharmacy				
Timestamp	Email Address	Full Name	Division	Roll Number
6/24/2021 15:03:19	chaudhari.divyesh.bp2020@ves	Divyesh chaudhari	A	20821
6/24/2021 15:08:21	jagatkar.rutuja.bp2020@ves	Rutuja Nagsen Jagatkar	B	68
6/24/2021 15:08:28	gadage.krishna.bp2020@ves	Krishna Govind Gadage	A	21121
6/24/2021 15:08:34	patil.chinmaya.bp2020@ves	Chinmaya Patil	A	30
6/24/2021 15:08:35	patil.anagha.bp2020@ves	Anagha Prashant Patil	A	22921
6/24/2021 15:08:54	jain.kashish.bp2020@ves	Jain Kashish	A	19
6/24/2021 15:08:57	indulkar.sanika.bp2020@ves	Sanika indulkar	A	16
6/24/2021 15:08:59	hande.piyush.bp2020@ves	Piyush Ramesh Hande	A	21521
6/24/2021 15:09:00	adurkar.tanaya.bp2020@ves	Tanaya Atul Adurkar	A	01
6/24/2021 15:09:00	kotian.divya.bp2020@ves	Divya kotian	B	76
6/24/2021 15:09:11	singh.shreya.bp2020@ves	Shreya Randheer Singh	A	50
6/24/2021 15:09:39	puthran.rishit.bp2020@ves	Rishit Dilip Puthran	A	37
6/24/2021 15:10:04	balotiya.meghraj.bp2020@ves	Meghraj balotiya	A	5
6/24/2021 15:10:10	jaiswal.sahil.bp2020@ves	Sahil Shivasare Jaiswal	A	69
6/24/2021 15:10:14	patil.lekha.bp2020@ves	Lekha Patil	B	32
6/24/2021 15:10:30	kandalgaonkar.dhanashree	Dhanashree Vilas Kandal	B	70
6/24/2021 15:10:44	patel.anurag.bp2020@ves	Anurag Patel	A	27
6/24/2021 15:10:50	mehta.kushalkumar.bp2020@ves	Kushalkumar Mehta	B	27821
6/24/2021 15:10:54	gawade.nidhi.bp2020@ves	Nidhi Arvind Gawade	A	12
6/24/2021 15:10:59	sawant.anushka.bp2020@ves	SAWANT ANUSHKA VINI	A	24421
6/24/2021 15:11:04	patil.mayur.bp2020@ves	Mayur Chunilal Patil	A	33
6/24/2021 15:11:20	bangera.priyal.bp2020@ves	Priyal Ganesh Bangera	A	20621
6/24/2021 15:11:24	pandey.gaurav.bp2020@ves	Gaurav Pandey	B	85
6/24/2021 15:11:51	menon.shreya.bp2020@ves	Shreya menon	B	79
6/24/2021 15:11:52	ingawale.riya.bp2020@ves	Riya Ingawale	B	65
6/24/2021 15:11:58	chorghe.sanika.bp2020@ves	Sanika chorghe	B	56
6/24/2021 15:12:16	chaurasiya.anjali.bp2020@ves	Anjali Anil Chaurasiya	A	10
6/24/2021 15:12:32	jadhav.samruddhi.bp2020@ves	Samruddhi Manoj Jadhav	B	26621
6/24/2021 15:12:37	gupta.jyoti.bp2020@ves	Jyoti Junior Gupta	B	64
6/24/2021 15:12:46	karkera.preeti.bp2020@ves	Preeti Karkera	B	71
6/24/2021 15:13:16	shemadkar.pranit.bp2020@ves	Pranit Shemadkar	A	47
6/24/2021 15:13:27	shinde.akanksha.bp2020@ves	AKANKSHA ASHOK SHIN	A	24821
6/24/2021 15:14:16	gurleen.kaur.bp2020@ves	Gurleen kaur sethi	A	45
6/24/2021 15:14:24	mane.siddhi.bp2020@ves	Siddhi Mane	A	24

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V.E.S. College of Pharmacy

Timestamp	Email Address	Full Name	Division	Roll Number	Attach a Screenshot of the you watching a screen with time on it
6/24/2021 15:03:19	chaudhari.divyesh.bp2020@ves.a	Divyesh chaudhari	A	20821	https://drive.google.com/open?id=1KXjvwBlquwwlRny08wUg6d2p6T5Af
6/24/2021 15:15:02	gambhir.chirag.bp2020@ves.a	Chirag Gambhir	B	B26021	https://drive.google.com/open?id=1PnyTNVycy3meSF5pi0SjXCAFw_Ffw3G-
6/24/2021 15:16:20	prajapati.sakshi.bp2020@ves.a	Sakshi Prajapati	B	29021	https://drive.google.com/open?id=1b04UTsbRVwNqexedl0gz4GMILR9grj
6/24/2021 15:16:30	pillai.shrutika.bp2020@ves.a	Shrutika Pillai	A	35	https://drive.google.com/open?id=1LFaCN89vSsMebAixZiIPXm-d42RdU5XN
6/24/2021 15:17:04	kasabi.siddhant.bp2020@ves.a	Siddhant kasabi	B	72	https://drive.google.com/open?id=1RHnKzybYwS-CYXw8YNOgpGmQzLkXblad
6/24/2021 15:18:16	dalvi.tanvi.bp2020@ves.a	Dalvi Tanvi Shashikant	B	59	https://drive.google.com/open?id=1U5HQLVrQ7bxWK66KdOixcZiIXrge1Qg5
6/24/2021 15:18:39	jadhav.grishma.bp2020@ves.a	Grishma Shailesh Jadhav A	B	21721	https://drive.google.com/open?id=1cHIY_eblENRihPa79ixh7KgOyKPeR1ro
6/24/2021 15:20:10	shantanu.dinesh.bp2020@ves.a	Shantanu Bachhav	A	04	https://drive.google.com/open?id=1UCgOsJPs1f87v2pbaM3_vBVfN9r5qSq2
6/24/2021 15:20:32	kakade.dhanashri.bp2020@ves.a	Kakade Dhanashri Balasa	A	21	https://drive.google.com/open?id=1qHrxcw7a3Nxm_UVsxAKwJXFbO1WYooK
6/24/2021 15:20:42	gounder.madhumitha.bp2020@ves.a	Gounder Madhumitha Rai	B	26221	https://drive.google.com/open?id=12eVBI6nPHayruU3W3-pH2suG54Z7D7D
6/24/2021 15:21:00	yewle.pratiksha.bp2020@ves.a	Pratiksha Rajkumar Yewle	A	210421	https://drive.google.com/open?id=1e50hG1L9obf6qlHScceahhL4U_ZYR15A
6/24/2021 15:22:15	yadav.aastha.bp2020@ves.a	Aastha Yadav	B	23421	https://drive.google.com/open?id=13oJeAdSrbDYnLa_e8QWXGBaeYmdAIBQo
6/24/2021 15:22:51	patil.sakshi.bp2020@ves.a	Sakshi Patil	A	75	https://drive.google.com/open?id=1xFlji34nNncAl-vwGHidLe3BUDALixs
6/24/2021 15:23:32	khan.hafsa.bp2020@ves.a	KHAN HAFSA ZUBAIR	B	57	https://drive.google.com/open?id=1SkZmS_ZVAvMIKS_83p0qEFTMePRS3eZS
6/24/2021 15:26:57	chuvekar.om.bp2020@ves.a	Om Kiran Chuvekar	B	28	https://drive.google.com/open?id=1QMgiL_XbAwEvN8nvatiQZ7Xrn7Ryi23B
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6/24/2021 15:29:32	morale.smita.bp2020@ves.a	Smita Navnath Morale	B	61	https://drive.google.com/open?id=1BhrroUXOI6INomURkyiqA43s8Sxjix
6/24/2021 15:33:17	fernando.godslin.bp2020@ves.a	Godslin fernando	B	74	https://drive.google.com/open?id=1G65ngUOQ_CnpRwXaAOdRqdAAZMjJNQ2F
6/24/2021 15:44:11	kewalramani.ginni.bp2020@ves.a	GINNI SUNIL KEWALRAMANI	B	38	https://drive.google.com/open?id=1ZTJYjG1XbAuedwBKfID3gSgLy4bEHdMh
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6/24/2021 17:01:12	gupta.harini.bp2020@ves.a	GUPTA HARINATH VISH A	A	23921	https://drive.google.com/open?id=1WmITrc3YMDaRqIKY87AfxQwDKzJ5pTc
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6/24/2021 17:07:18	jadhav.shivani.bp2020@ves.a	Shivani Santosh Jadhav	B	88	https://drive.google.com/open?id=1We20fX0zpBvph7iybZ4ZVNIloivS1dd-
6/24/2021 18:02:16	patra.riya.bp2020@ves.a	Riya patra	B		

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 College of Pharmacy
 HAMC, Behind Collector Colony,
 Chembur, Mumbai - 400 074.



Timestamp	Email Address	Full Name	Roll Number
6/24/2021 15:06:49	bedse.vaibhav.mp2020@	Vaibhav Ashok Bedse	M-QA-20121
6/24/2021 15:07:07	madhavi.janvi.mp2020@v	Janvi Madhavi	M-QA-20721
6/24/2021 15:07:14	patil.prajakta.mp2020@v	Prajakta Anil Patil	M-QA-21121
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6/24/2021 15:47:20	satam.ruchika.mp2020@	Ruchika Rajaram Satam	M-PH-21321
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Attach a Screenshot of the you watching a screen with time on it

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