



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

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

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

**4.1.1**

**The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.**

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### 4.1. Physical facilities

**4.1.1- The Institution has adequate infrastructure and physical facilities for Teaching- learning. viz., classrooms, laboratories, computing equipment etc.**

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### 4.1.1 List of number of classrooms, library, yoga room, sports room, laboratories and seminar hall

	Location	Area (sq mtrs)	Year of establishment
Class room	3 <sup>rd</sup> Floor	90	2007-08
Class room	3 <sup>rd</sup> Floor	90	2007-08
Class room	4 <sup>th</sup> Floor	75	2007-08
Class room	4 <sup>th</sup> Floor	75	2007-08
Class room	5 <sup>th</sup> Floor	75.29	2007-08
Class room	7 <sup>th</sup> Floor	90.07	2011-12
Tutorial Room	3rd Floor	33	2007-08
Tutorial Room	5th Floor	33.12	2007-08
Tutorial Room	6th Floor	33.05	2011-12
Tutorial Room	6th Floor	33.18	2011-12
Seminar Hall	2 <sup>nd</sup> Floor	135.22	2007-08
Board room	2 <sup>nd</sup> Floor	29.29	2007-08
Library	5th Floor	153.65	2007-08
Sports room	2nd Floor	75.03	2007-08
Sports room	2nd Floor	20.05	2007-08
Yoga room	6th Floor	33.11	2011-12
Pilot plant	Ground floor	81	2007-08
Central Instrument Laboratory	1st Floor	75.91	2007-08
Research Lab.	1st Floor	85.12	2007-08
UG Lab Pharmaceutics Lab	1st Floor	103.50	2007-08
UG Lab Biotechnology	1st Floor	111.78	2007-08
Computer Lab	2nd Floor	75.76	2007-08
UG Lab Pharmaceuticalchemistry Lab	3rd Floor	75	2007-08
UG Labs PharmaceuticalAnalysis Lab	3rd Floor	75	2007-08
UG Lab Organic Chemistry Lab	3rd Floor	103.50	2007-08
UG Lab Pharmacognosy Lab	4th Floor	75.17	2007-08
UG Lab Pharmacology Lab	4th Floor	117	2007-08
UG Lab Pharmaceutics LabII	5th Floor	75	2007-08
UG Lab Pharmacology Lab	5th Floor	75.37	2007-08
PG Lab PharmaceuticalChemistry	6th Floor	75.37	2011-12
PG Lab Pharmaceutics	6th Floor	75.94	2011-12
PG Lab Quality Assurance	6th Floor	75	2011-12

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### 4.1.1 User Rate of yoga room, sports room and seminar hall

	Location	Area (sq mtrs)	User Rate
Seminar Hall	2 <sup>nd</sup> Floor	135.22	10 events per Year
Sports room	2nd Floor	75.03	3 events per Year
Sports room		20.05	3 events per Year
Yoga room	6th Floor	33.11	2 events per Year

  
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### LIST OF INSTRUMENTS/EQUIPMENTS

Sr. No.	Name of the instrument/equipment	Make	Model No.
1.	High Performance Liquid Chromatography (HPLC)	Jasco	LC-4000
2.	High Performance Liquid Chromatography (HPLC)	Shimadzu	LC-2010CHT
3.	Fourier Transform Infrared (FTIR) spectrophotometer	Shimadzu	IR Affinity-1
4.	Ultraviolet Visible (UV) spectrophotometer	Shimadzu	UV 1800
	Ultraviolet Visible (UV) spectrophotometer	Shimadzu	UV 1800
	Ultraviolet Visible (UV) spectrophotometer	Labindia	UV 3000
5.	Photoflurometer	Systronics	152
6.	Flame Photometer	Systronics	130
7.	Nephelo Turbidimeter	Systronics	132
8.	Colorimeter	Equiptronics EQ655	µC Colorimeter 115
9.	Digital pH Meter	Systronics	µ pH system 361
10.	Digital Weighing Balance	Make - Wensar MAB220	MAB 220
11.	Particle size Analyzer	Malvern	Zetasizer Nano series Nano- ZS90
12.	Cyclomixer	Remi	CM 101plus
13.	Microcentrifuge	Remi	RM-12C
14.	Microcentrifuge	Tarsons	Spinwin MCO5-R
15.	Ultracentrifuge Benchtop	Beckmann Coulter	Optima MAX-XP
16.	Diffusion cell	Teledyne Hanson Research	Phoenix RDS & Phoenix DB-G
17.	Dissolution Tester with automatic sampler	Hanson	Vision Elite 8, Vision Autoplus & Vision Heater
18.	Lab Freeze Dryer (Lyophilizer)	Martin Christ	Alpha 1-2 LD plus
19.	Deep Freezer	Vestforst	-
20.	Air Conditioners (3 No.)	Samsung & Hitachi	-



  
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### VES COP ANIMAL HOUSE

Reg. No. 1531/PO/Re/S/11/CPCSEA

Vivekananda Education Society's College of Pharmacy, Chembur has developed the state-of-the-art animal facility to conduct preclinical experiments using various animals like **Mice, Rats, Guinea Pig, Rabbits**. The facility has been constructed in accord with the Pharmacy Council of India (PCI) And Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) guidelines and is registered (**Reg. No. 1531/PO/Re/S/11/CPCSEA**) for experiments on animals under CPCSEA, Ministry of Environment & Forests (Animal Welfare Division), Government of India.

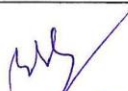
The air-conditioned facility is located adjacent to the College and has 2 floors with a total built up area of about 75 square meters. Various functional areas like a separate Quarantine area, In-charge room, store room, wash area are located on ground floor while the animal housing areas and experimental/ dosage area are located on the first floor. Facility for housing different species in different rooms is available which is crucial to prevent interspecies disease transmission and to eliminate anxiety and possible physiological and behavioral differences. Experimentation area is equipped with various equipments required for animal experiments.

The primary objective of our animal house facility is to assist investigators to plan and conduct animal experiments in accord with the highest scientific, humane and ethical principles. This is achieved by development and maintenance of a comprehensive, high quality animal care program, complies with all guidelines and laws concerning with experiments on animals

- **Dimensions of various areas of animal house are as follows:**

Sr. No.	Area	Dimensions In Meters
<b>1</b>	<b>Ground floor</b>	
1.1	Changing room	1.5 x 1.8
1.2	Shower room	1.2 x 1.6
1.3	Wash Area	2.0 x 1.5
1.4	Store Room	3.6 x 2.1
1.5	In-Charge Room	2.5 x 2.3
1.6	Quarantine Room	2.5 x 2.6
1.7	Passage	1.8
<b>2</b>	<b>First Floor</b>	
2.1	Animal Room: 01	3.6 x 2.1
2.2	Animal Room: 01	2.5 x 2.3
2.3	Animal Room: 01	4.45 x 2.60
2.4	Experimental Room	2.2 x 3.0



  
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2.5	Water filling Room	1.5 x 2.5
2.6	Passage	1.8

- **Sterilization facility for feed, cages etc.:**

Sterilization of feed, husk and cages is done in Autoclave [Make: Medica instrument MFG. CO. Bombay, Capacity: 20 Liter.]

- **Washing facilities and sanitation conditions:**

Required washing facilities and sanitation conditions are maintained as per guidelines. Cages are washed in separate wash area. To maintain personnel hygiene, facility for shower and changing room is equipped with autoclaved aprons, disposable masks, disposable foot covers and disposable caps. Floor and walls are cleaned with disinfectant routinely. Air curtain is installed at the entry to animal housing area.

- **Disposal of animals after experimentation as per norms:**

SOP is in place for Disposal of animals after experimentation. Institute has outsourced services of SMS ENVOCLEAN PVT. LTD. as per bio medical waste (M&H) as per the Rules & Guidelines-MPCB for the disposal of bio medical waste.

- **Air conditioning /handling/circulation/facilities:**

There is total eight air conditioners fitted in the facility (VOLTAS- Model: 0.75T Vertis Elite).

### Projects:


At our animal house we have successfully completed projects for national agencies such as NIF (National Innovative Foundation), Society for Ethnopharmacology India. We have carried out preclinical experiments for many industries. Very routinely our animal house is utilized for masters and PhD research projects of our students.

- **Projects Undertaken/ can be undertaken at Animal House:**

1. Evaluation of Anti-inflammatory
2. Evaluation of CNS activities
3. Evaluation of Antimalarial activity
4. Toxicity testing by Dermal, Oral, parenteral route of administration
5. Evaluation of Skeletal Muscle relaxant activity
6. Pharmacokinetic Evaluation
7. Ex vivo permeation studies

In addition to above mentioned experiments, other experiments can be performed after checking the feasibility.



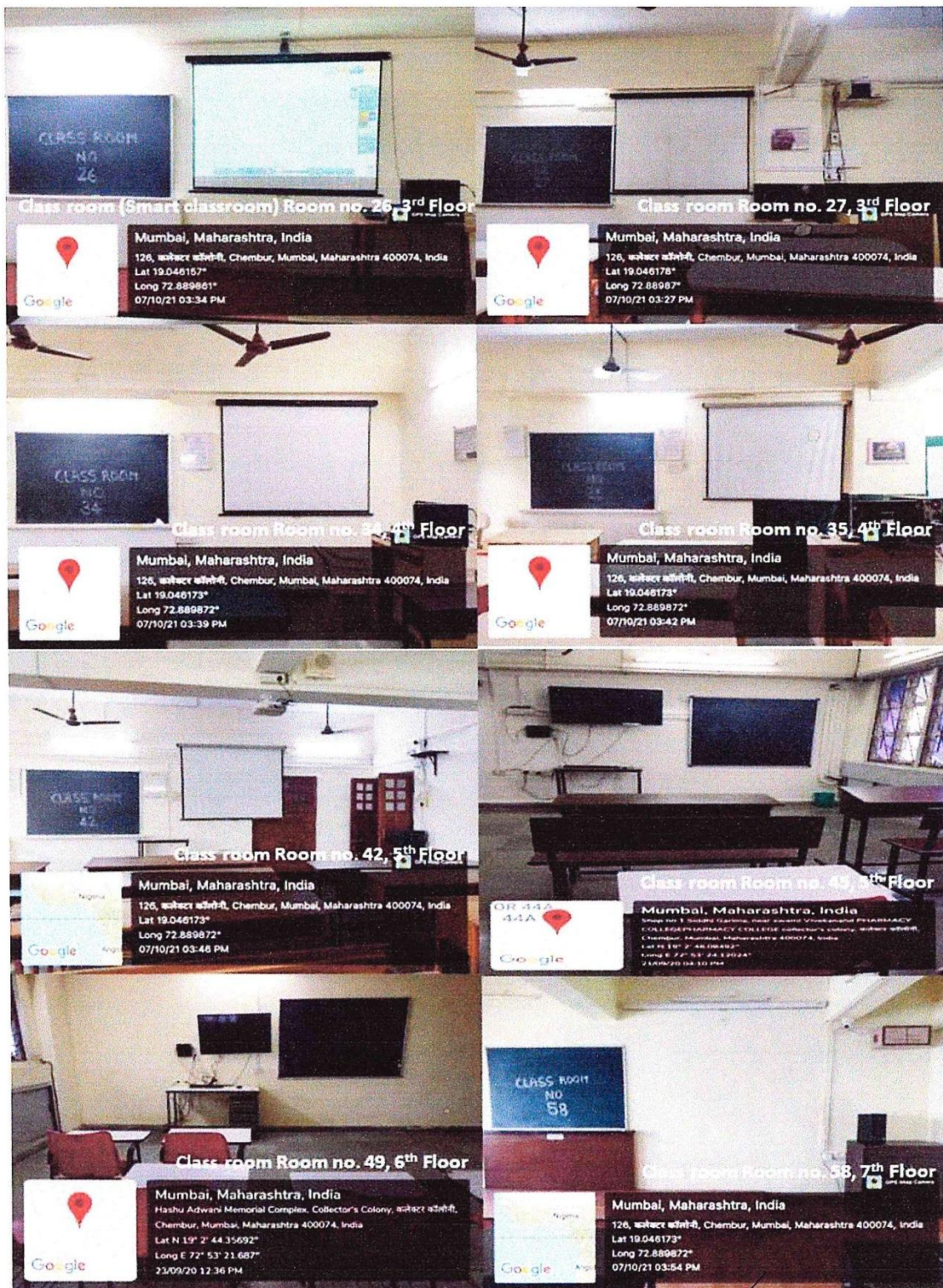
  
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### 4.1.1. Geotag photos of classrooms & smart classroom



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### 4.1.1 Geotag photos of Classrooms & smart classroom/boardroom contd..



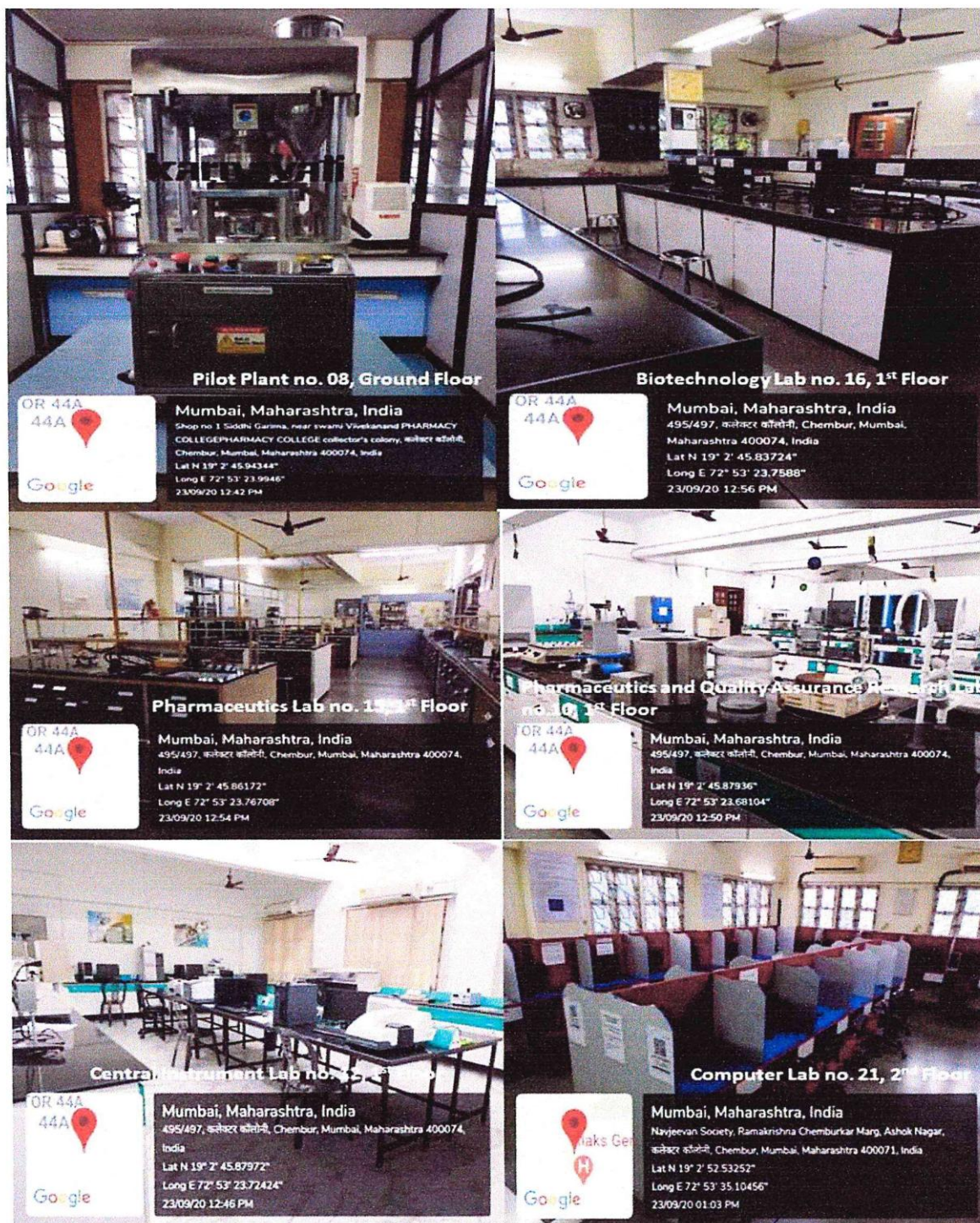
*Supriya S. Shidhaye*  
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### 4.1.1 Geotag photos of Laboratories



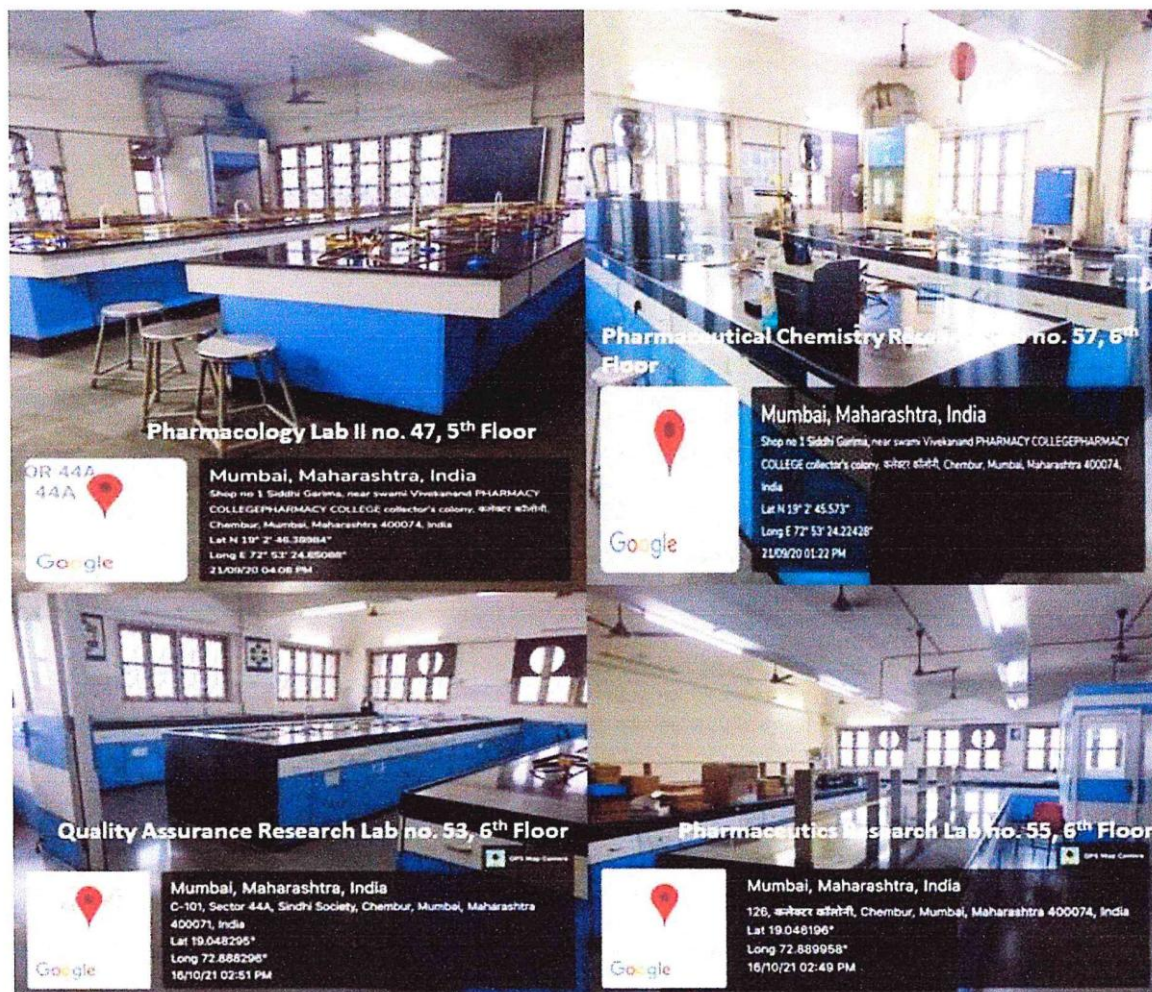
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4.1.1 Geotag photos of Laboratories contd..



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### 4.1.1. Geotag photos of Seminar Hall



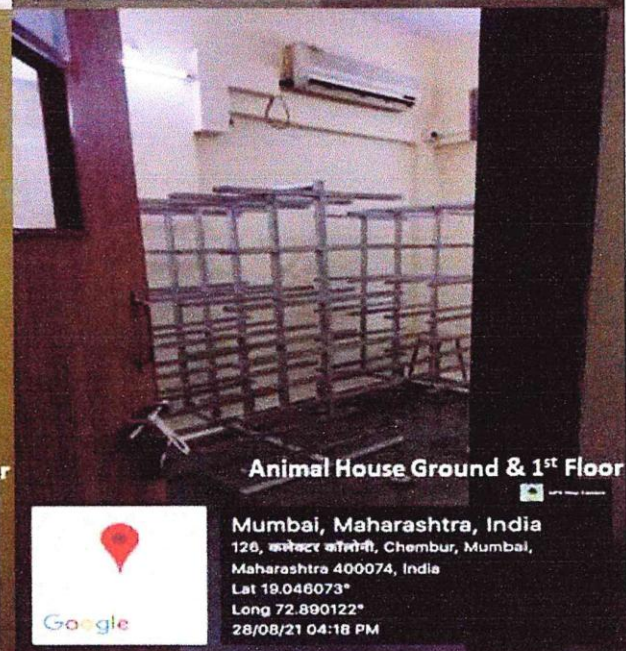
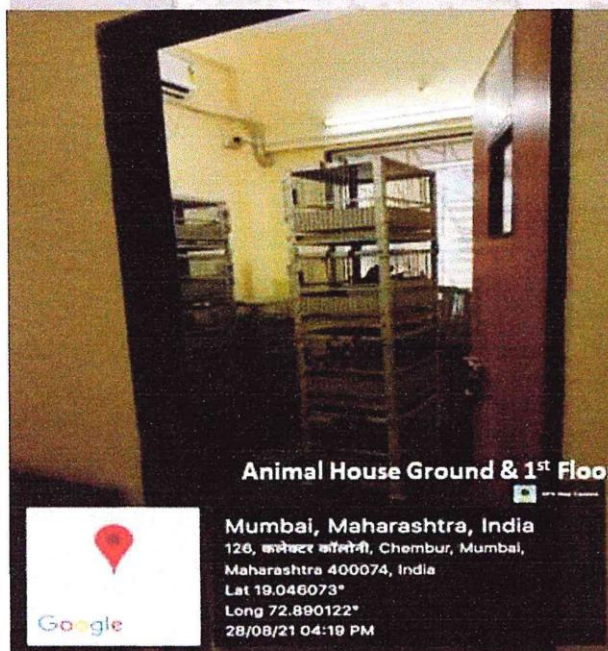
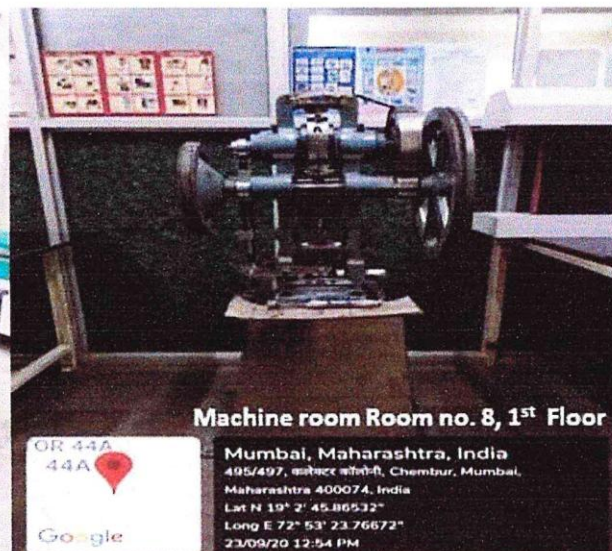
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### 4.1.1. Geotag photos of CIL, machine room and animal house



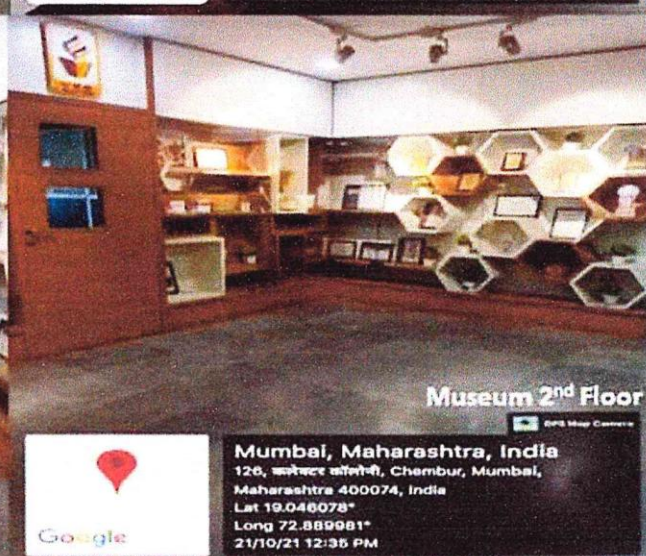
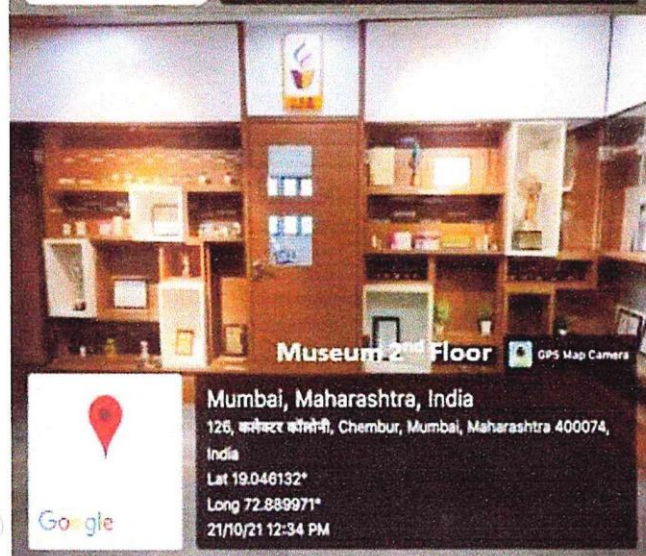
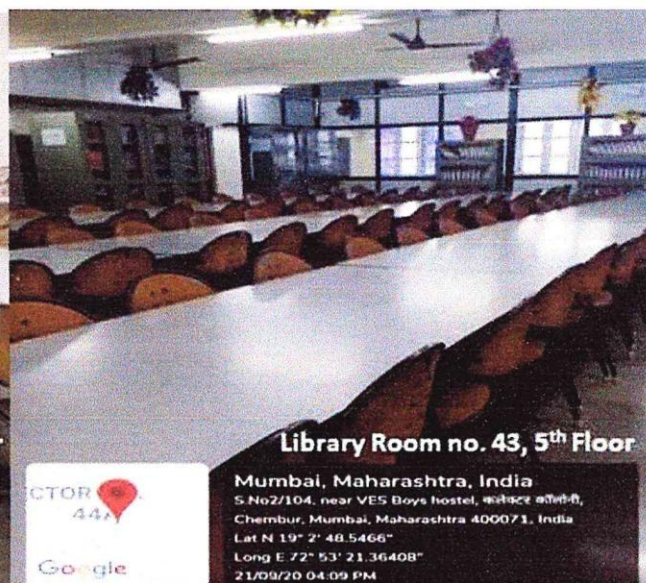
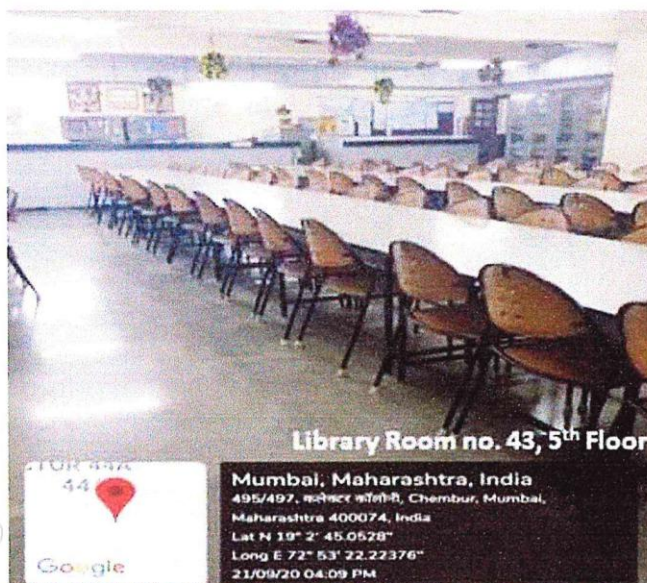
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### 4.1.1. Geotag photos of library and museum



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The screenshot shows the VES College of Pharmacy website. The header is blue with white text for 'VES COLLEGE OF PHARMACY' and 'VESCOP Library'. A navigation bar below the header contains links: Books, Micro Data, Journals, Member Login, Home, About Us, and Feedback. On the left, a blue sidebar lists search options: Basic Search, Advanced Search, Keyword Title, Keyword Title, Subject, Word, Page, Word, Publisher, Word, Language, Word, Author, Word, Recent Available, and e-Journals. The main content area features a banner for 'VES COLLEGE OF PHARMACY' with the text 'VES Library & Journals'. Below the banner, contact information for Librarian Incharge Mrs. Sujatha S. Madhane is provided, including the address at School College, Chavara, Marathi 409 974, phone number 022-2290 7760, and fax number 022-2254 3058. A link for 'Show User Feedback' is also present. To the right of the banner, there are two images: a photograph of a library interior with bookshelves and a portrait of a man in a suit.



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