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Jijamata Education Society's

# COLLEGE OF PHARMACY

Waghoda Raod, P.B.No. 4, NANDURBAR-425412 (M.S.)

DTE Code - 5407 MSBTE Code - 0200

Email- jescp.ndb@gmail.com / jescp\_ndb@yahoo.co.in

**PRESIDENT**

**Smt. Shobhatai D. More**

Tele Fax : Ph.02564-232685 (R)

**FOUNDER PRESIDENT**

**Late. Dr. Dileep More**

## I. List of Teachers Using ICT tools

Sr. No.	Name of Teaching Staff	Used ICT tools
01	Dr. R. R. Patil	✓
02	Dr. P. V. Gomase	✓
03	Dr. J. P. Gokhale	✓
04	Mr. I. T. Ansari	✓
05	Ms. S. R. Valvi	✓
06	Ms. J. J. Naik	✓
07	Ms. M. K. Gavit	✓
08	Mr. V. A. Chaure	✓
09	Ms. M. M. Patil	✓
10	Ms. R. M. Kuwar	✓
11	Mr. K. S. Rathi	✓
12	Ms. R. P. Patil	✓
13	Mr. V. V. Kalal	✓
14	Mr. M. B. Kokani	✓
15	Ms. N. P. Chavan	✓
16	Ms. K. C. Patel	✓
17	Ms. C. S. Patil	✓
18	M. A. A. Patil	✓
19	Mr. V. P. Rathod	✓
20	Ms. D. K. Mali	✓
21	Ms. S. D. Patil	✓



  
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Sr. No.	Name of Teaching Staff	LCD projector	P'Cology 'EX- Pharm Software	LS	MD Software	LED SENSES Panel	Google drive E-Library
01	Dr. R. R. Patil	✓			✓	✓	✓
02	Dr. P. V. Gomase	✓				✓	✓
03	Dr. J. P. Gokhale	✓				✓	✓
04	Mr. I. T. Ansari	✓	✓			✓	✓
05	Ms. S. R. Valvi	✓				✓	✓
06	Ms. J. J. Naik	✓				✓	✓
07	Ms. M. K. Gavit	✓				✓	✓
08	Mr. V. A. Chaure	✓		✓		✓	✓
09	Ms. M. M. Patil	✓				✓	✓
10	Ms. R. M. Kuwar	✓				✓	✓
11	Mr. K. S. Rath	✓				✓	✓
12	Ms. R. P. Patil	✓			✓	✓	✓
13	Mr. V. V. Kalal	✓				✓	✓
14	Mr. M. B. Kokani	✓	✓			✓	✓
15	Ms. N. P. Chavan	✓		✓		✓	✓
16	Ms. K. C. Patel	✓				✓	✓
17	Ms. C. S. Patil	✓				✓	✓
18	M. A. A. Patil	✓				✓	✓
19	Mr. V. P. Rathod	✓				✓	✓
20	Ms. D. K. Mali	✓	✓			✓	✓
21	Ms. S. D. Patil	✓	✓			✓	✓



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Sr. No.	Name of Teaching Staff	You Tube	Google Class room	Zoom/ Google meet	Digital SOP	ChemD raw	Swiss ADME	PreADME T tool
01	Dr. R. R. Patil		✓	✓	✓	✓	✓	✓
02	Dr. P. V. Gomase	✓	✓	✓	✓			
03	Dr. J. P. Gokhale		✓	✓				
04	Mr. I. T. Ansari	✓	✓	✓	✓			
05	Ms. S. R. Valvi		✓	✓				
06	Ms. J. J. Naik		✓	✓		✓		
07	Ms. M. K. Gavit		✓	✓		✓		
08	Mr. V. A. Chaure	✓	✓	✓	✓	✓		
09	Ms. M. M. Patil		✓	✓	✓	✓	✓	✓
10	Ms. R. M. Kuwar		✓	✓	✓			
11	Mr. K. S. Rathi		✓	✓	✓			
12	Ms. R. P. Patil	✓	✓	✓	✓	✓	✓	✓
13	Mr. V. V. Kalal		✓	✓	✓			
14	Mr. M. B. Kokani		✓	✓	✓			
15	Ms. N. P. Chavan		✓	✓				
16	Ms. K. C. Patel		✓	✓				
17	Ms. C. S. Patil		✓	✓				
18	Mr. A. A. Patil		✓	✓				
19	Mr. V. P. Rathod		✓	✓				
20	Ms. D. K. Mali		✓	✓				
21	Ms. S. D. Patil		✓	✓				



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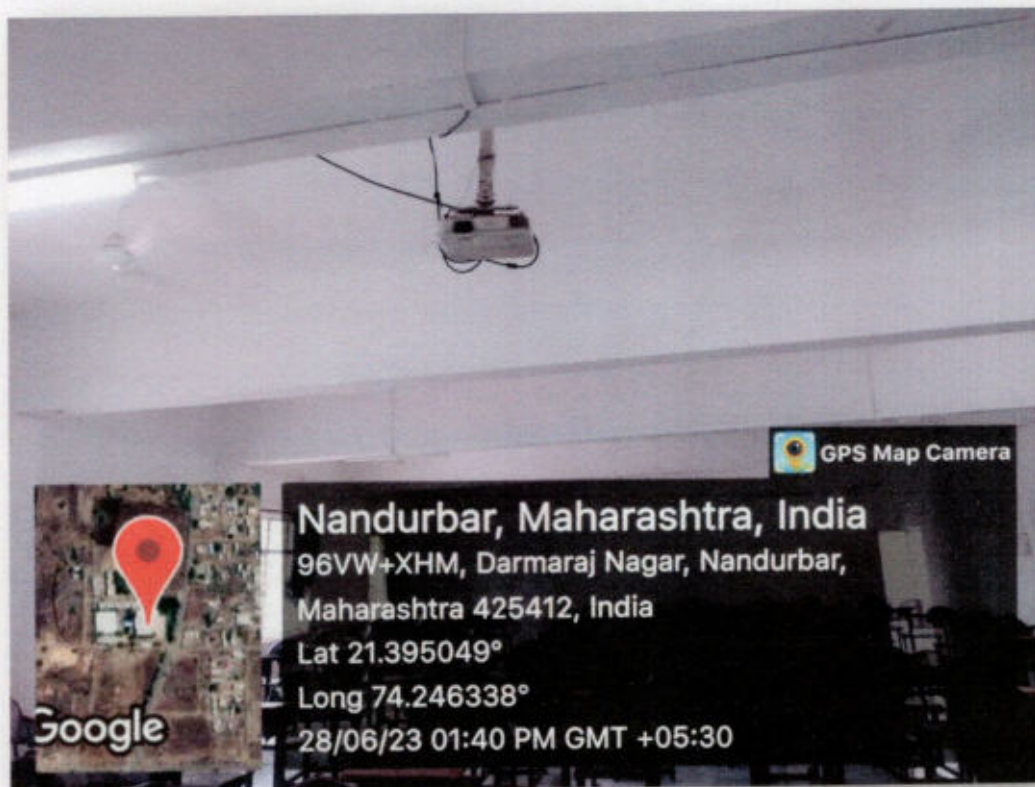
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## II. Details of ICT-enable tools used by teachers

### LCD Projector

An LCD projector was still being used by the entire staff to display power point presentations in the classroom for teaching.

An LCD projector has been installed in one classroom and is now being used by faculty members to provide an interactive lecture platform where they may share various types of media, such as PowerPoint presentations, photographs/images, videos, graphic charts, etc., to help students understand the material.



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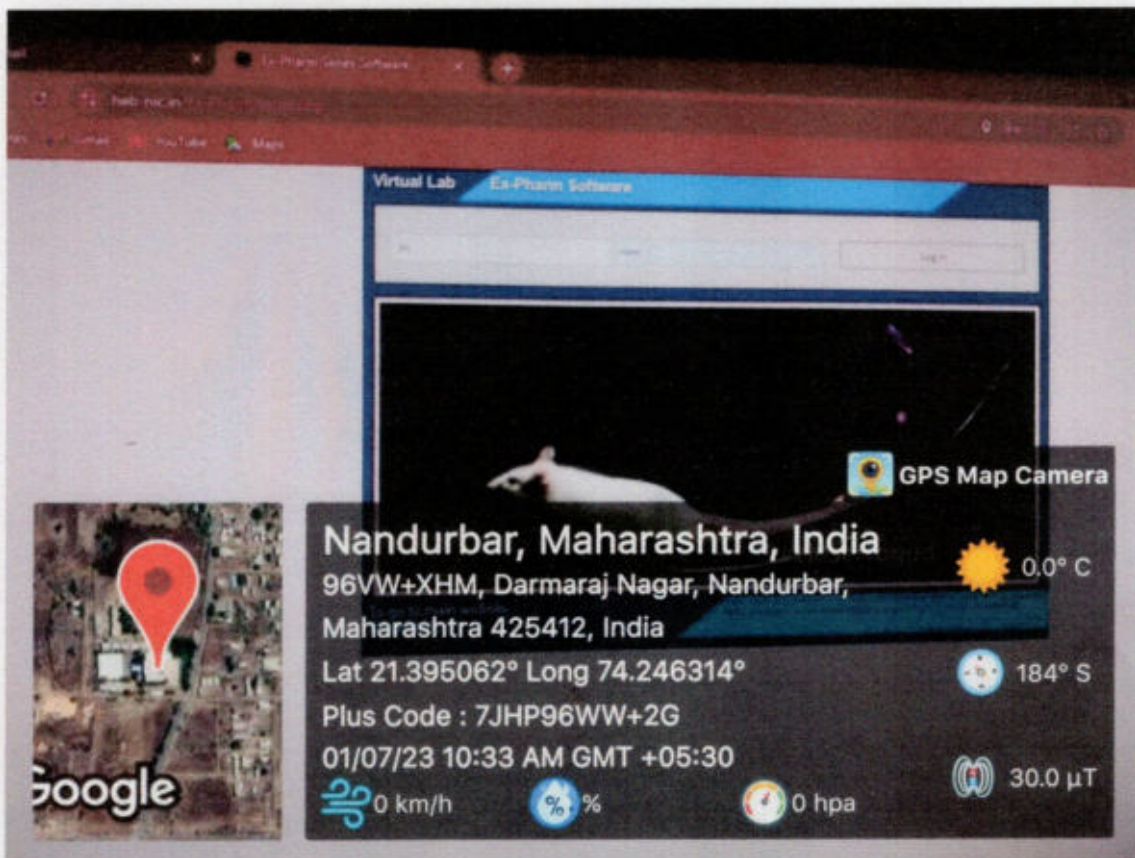
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### Pharmacology Ex-Pharm Series Software

This is computer-assisted learning (CAL) software, which includes a number of programs that imitate pharmacological animal studies. The software's modules can be used to show how different animal systems respond to various medications. Pharmacologists have long relied on the software and utilized it. The software is easy to use, very dynamic, and loaded with animated scenes that give simulation a lifelike appearance. The following computer-simulated experiments are included in the current Ex-Pharm (Experimental Pharmacology) - Series Software version:



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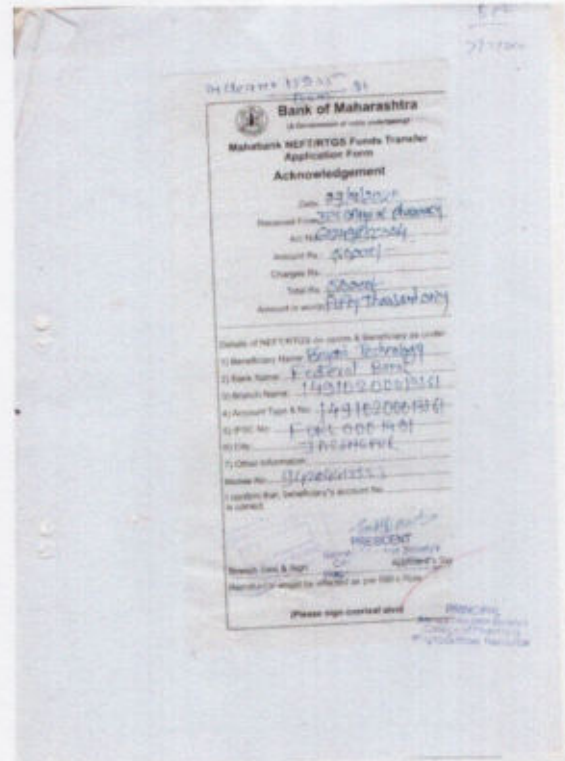
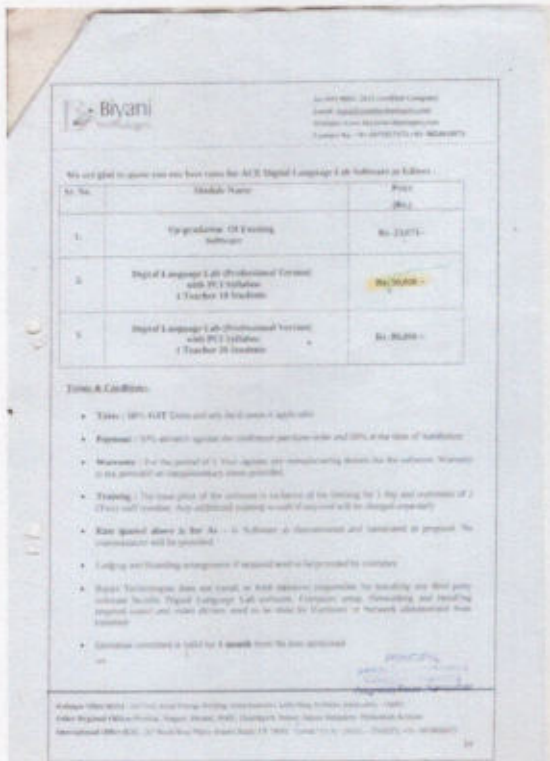
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Language Software (LS) Digital Language lab Software

Digital language laboratory is software that makes learning more interactive for student. It enhances speaking, listening and speaking skills. The interactive digital platform improves language grammar while making learning effective and interesting.

Digital Language lab Biyani Technologies



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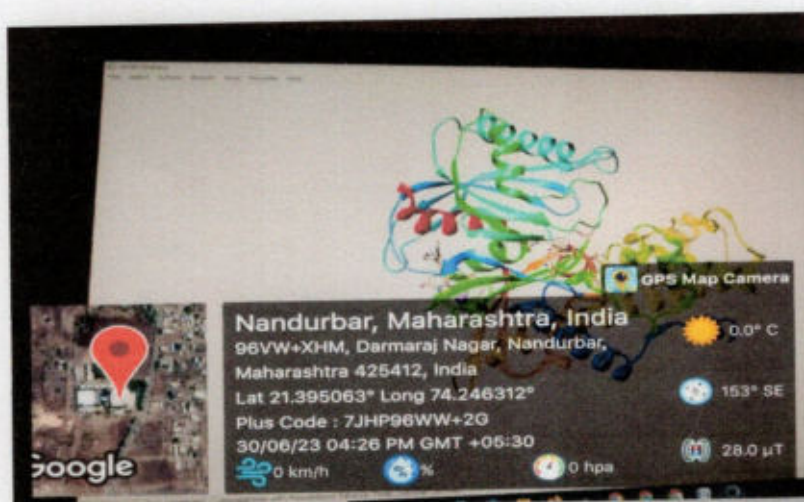
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### Molecular Docking Software

A crucial tool in computer-assisted drug design and structural molecular biology is molecular docking. A ligand-protein docking procedure's objective is to predict the primary interaction mode(s) of a ligand with a protein having a known three-dimensional structure. It is utilized by the faculty members who teach pharmaceutical chemistry.

**UCSF Chimera 1.17.1 Software used to retrieve Protein from PDB in 3D format**



**AutoDockTools-1.5.7 Software used to assess intermolecular interaction of drug & Protein by generating docking score in unit Kcal/mol.**



  
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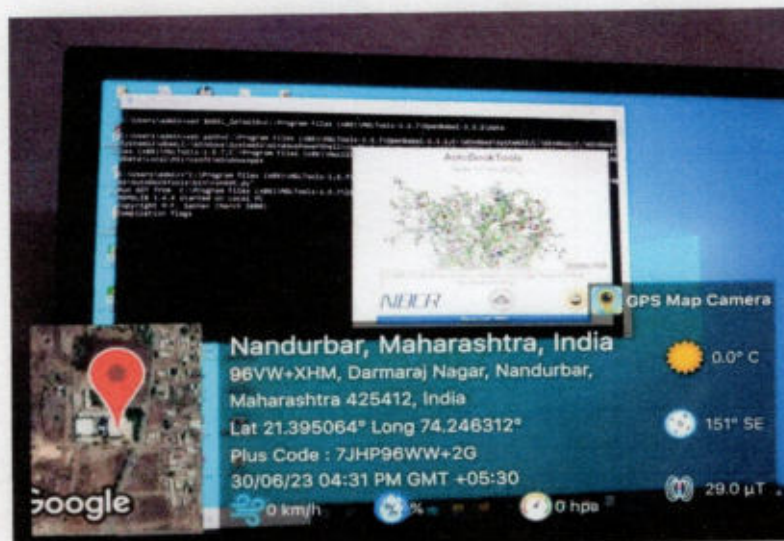
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**AutoDockTools-1.5.7 Software used to assess intermolecular interaction of drug & Protein.**



**PyMOL Software used to visualize intermolecular interaction of drug & Protein.**



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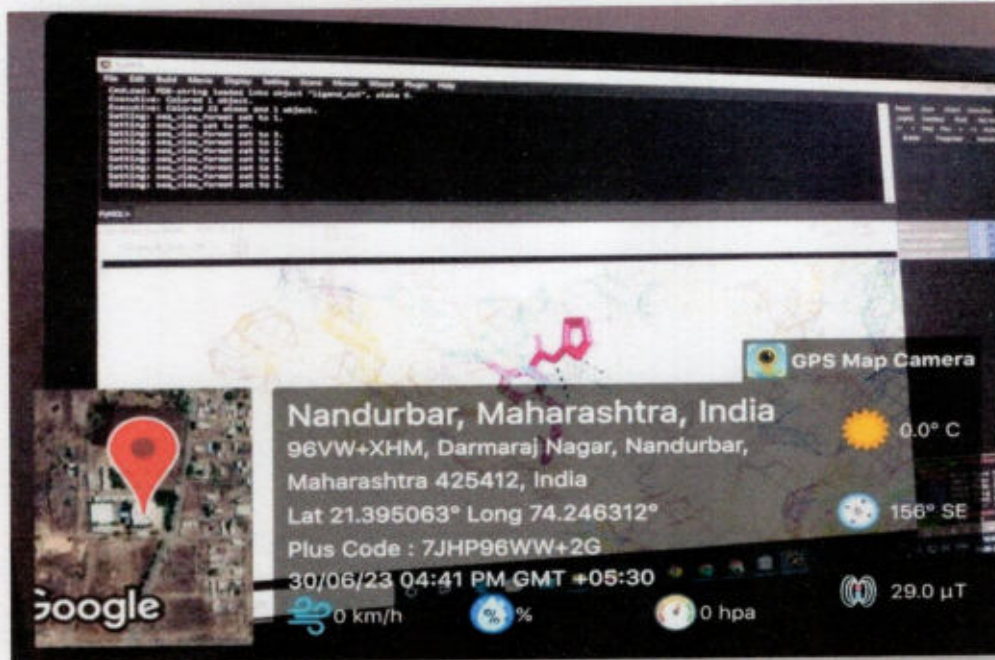


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### LED SENSES Panel

LED SENSES Panel is installed in two classrooms to enable interactive learning. The use of a smart board in the classroom allows teachers to communicate with students more effectively by displaying a variety of material, including images, videos, charts, and graphs. Software like Senses smart boards are used by teachers to help students grasp their subjects better.



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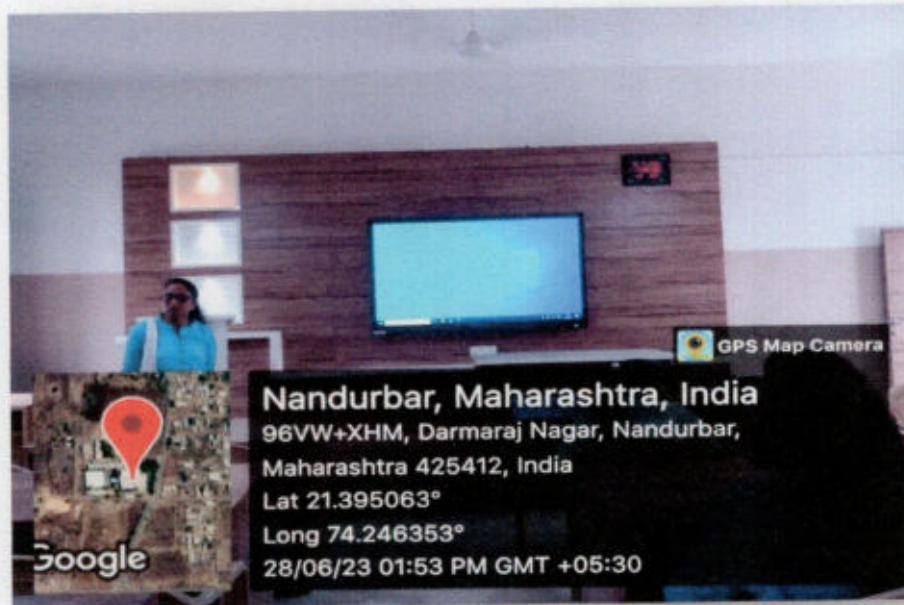
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### Google drive E-Library

A Drive is a storage location that is the owner of files that several users have contributed to. All files on a shared drive can be accessed by any user who has access to it. It offers a large selection of pharmacy books, a syllabus, and a previous year's university question bank for both the CGPPA and the PCI Pattern in the PDF format, all of which are free to access.



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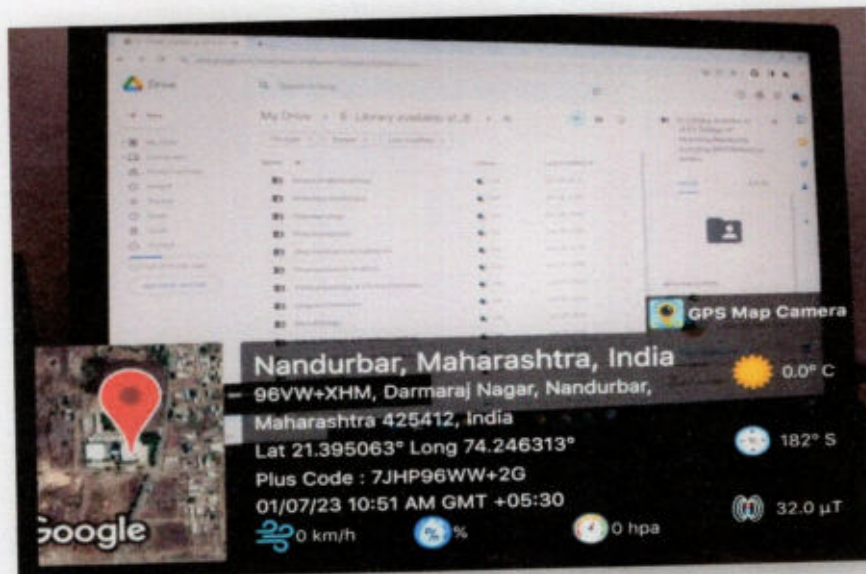
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Google drive E- Library

JES'S College of Pharmacy Google drive E- Library access window



## ChemBioDraw 2D/3D

A crucial tool in computer-assisted drug design and structural molecular chemistry. The primary need of these tools is easy to draw any chemical structure and also analyze molecular weight, molecular mass, molecular formula, and convert name into structure & vice-versa. This also



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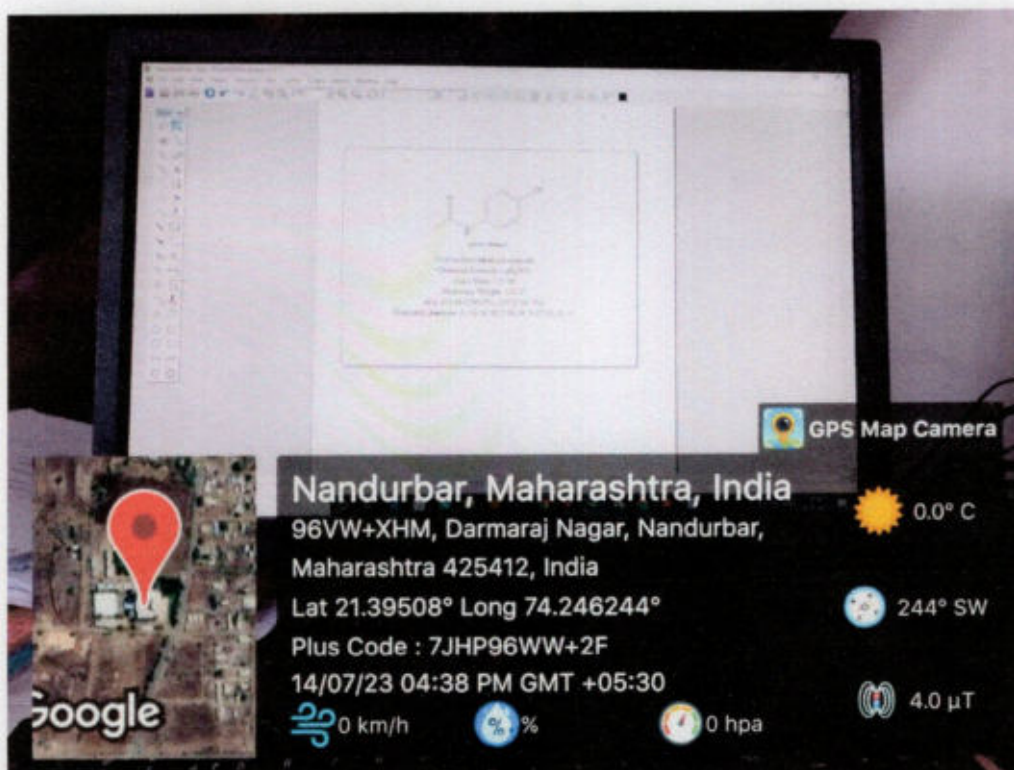
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helps in to molecular docking of new chemical structure/ drug. It is utilized by the faculty members who teach pharmaceutical chemistry.

Liberated software called ChemDraw Ultra can be used to create chemical structures for database queries, to create images for experiments, research article, and publication, to provide electronic descriptions of molecules and reactions, and to make advanced predictions.

**ChemBioDraw Ultra 14.0 PerkinElmer 2D (2 Dimensional)**



**ChemBioDraw Ultra 14.0 PerkinElmer 3D (3 Dimensional)**

Liberated software called ChemDraw Ultra 3D can be used to create chemical structures in three dimensional for database queries, to create images for experiments, research article, and



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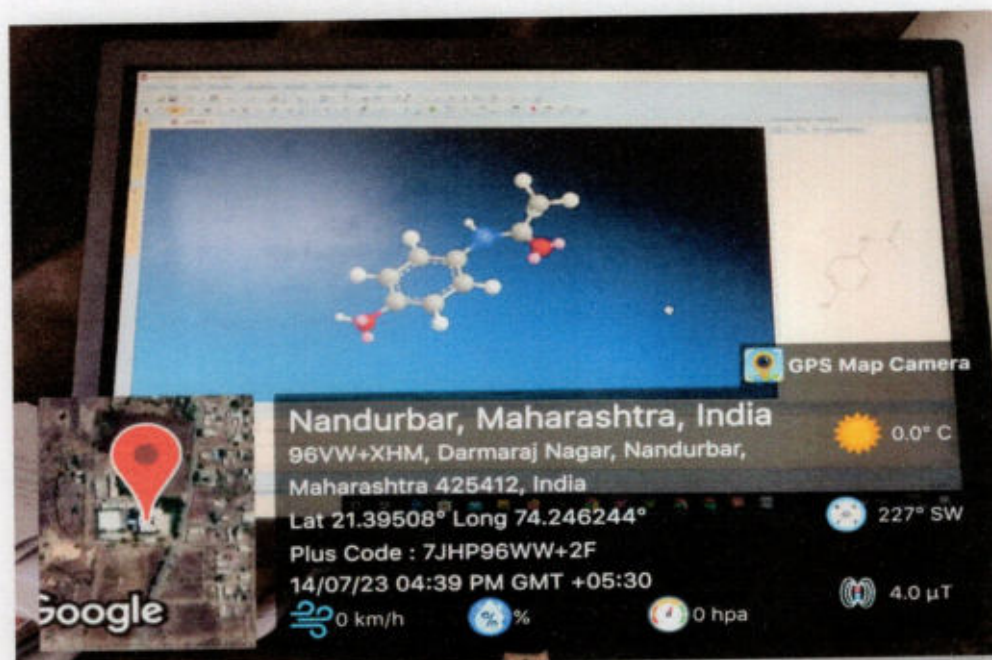
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publication, to provide electronic descriptions of molecules and reactions, and to make advanced predictions and also useful in molecular docking new chemical compound/drug.

**ChemBioDraw Ultra 14.0 PerkinElmer 3D (3 Dimensional)**



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### YouTube,

It may be found on the YouTube page for your channel under the "About" option. Potential viewers can learn about your content's topics, issues you address, and target communities via your YouTube channel description.



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Ansari Imtiyaz

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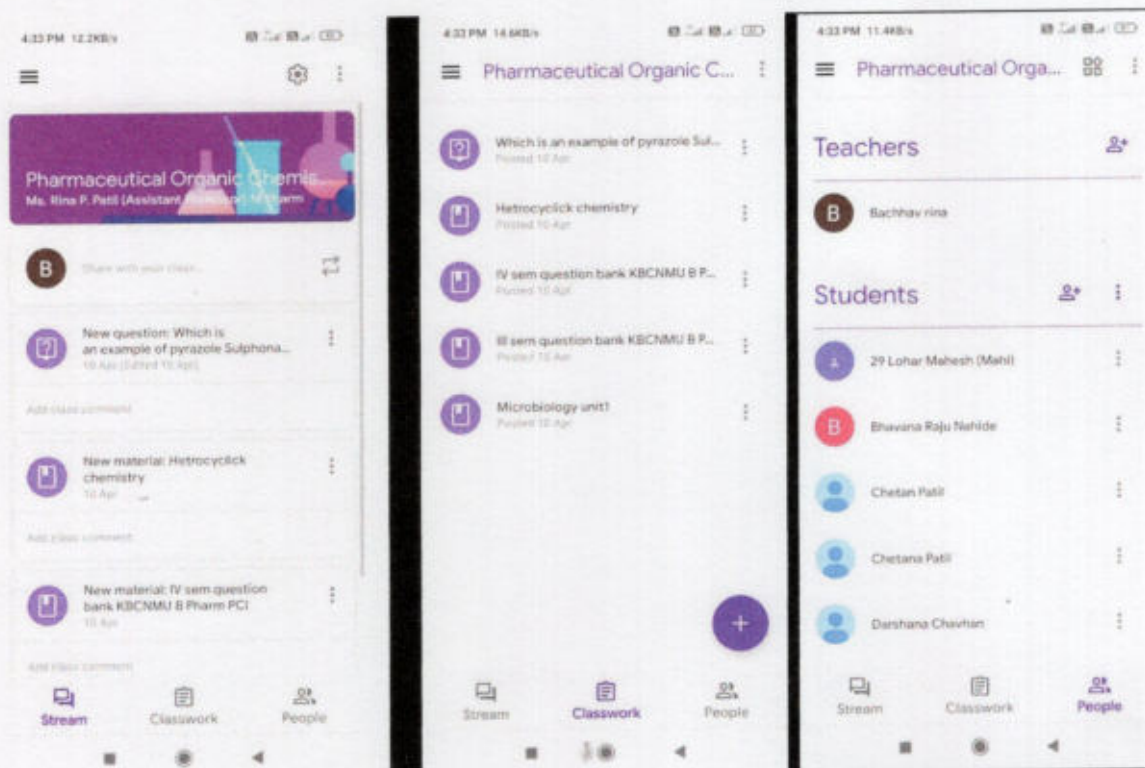
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## Google class room/ Zoom/Google meet

Create, distribute, and grade assignments more easily with the help of Google Classroom, a free blended learning platform designed for educational institutions. The main objective of Google Classroom is to make file sharing between professors and students more efficient.

Both Google Meet and Zoom include a wide range of popular video conferencing technologies, such as chat, participant spotlight, attendance, virtual backdrops, screen and app sharing, meeting recordings, transcripts, and meeting transcripts. While Google Meet has a maximum capacity of 250 participants, Zoom meetings can extend up to 1,000 participants.



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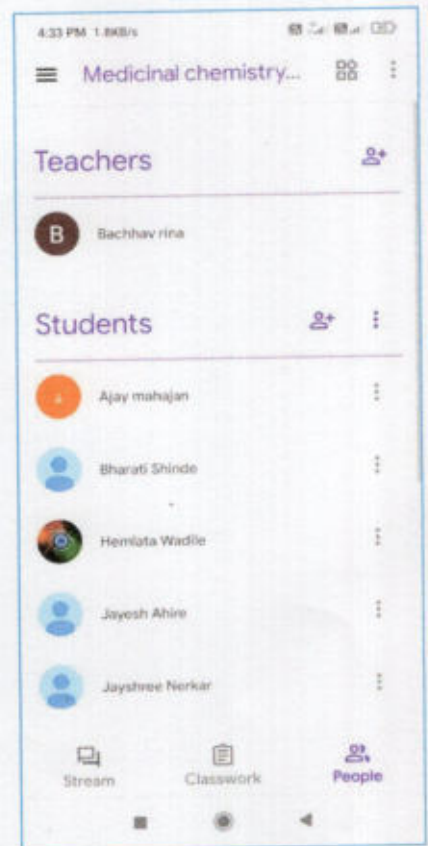
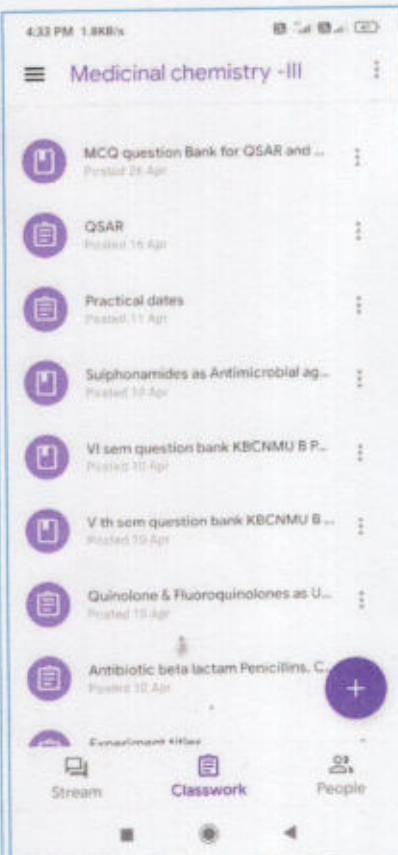
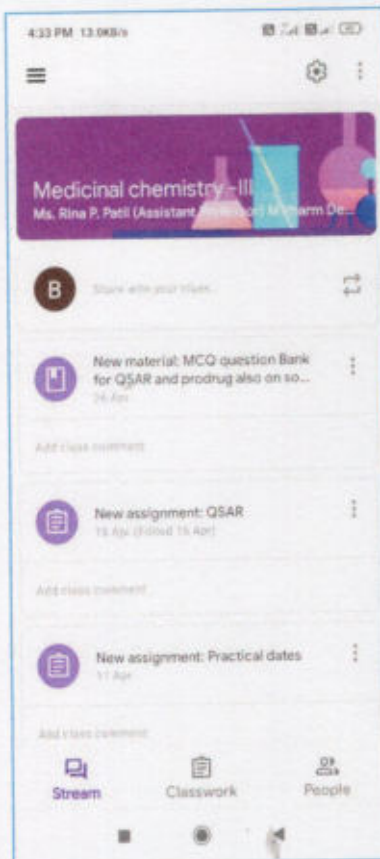
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**Digital Standard Operating Procedure (SOP)**

Institutions employ electronic Standard Operating Procedures (SOPs) to outline the responsibilities and tasks of staff personnel. SOPs make sure that employees are aware of what to do in particular situations and make it clear what is expected of them on a daily basis.



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Google drive digital  
Distillation SOP

**SwissADME used to predict drug likeness of chemical entity**

For evaluating the physicochemical and estimating the pharmacokinetics, drug-likeness, and medicinal chemistry friendliness of one or more small compounds, SwissADME provides free access to a number of parameters and predictive models.

**PreADMET web tool used to predict drug likeness and Toxicity of chemical entity**

ADMET Predictor is a machine learning software tool that quickly and accurately predicts over many properties including solubility, logP, pKa, sites of CYP metabolism, and Ames mutagenicity to predict in-silico toxicity of chemical compound.



  
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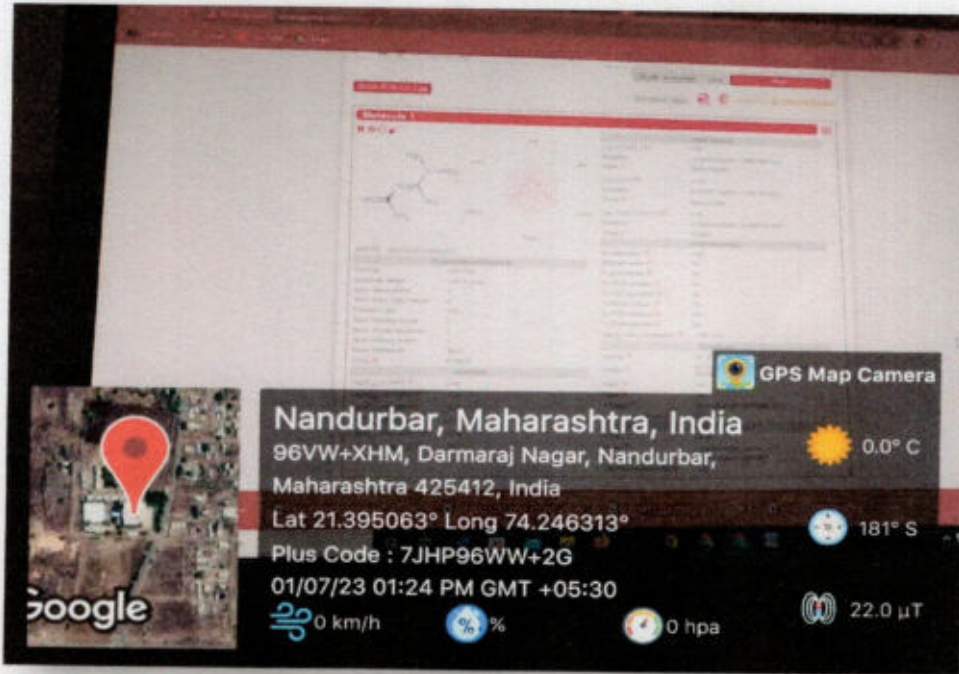
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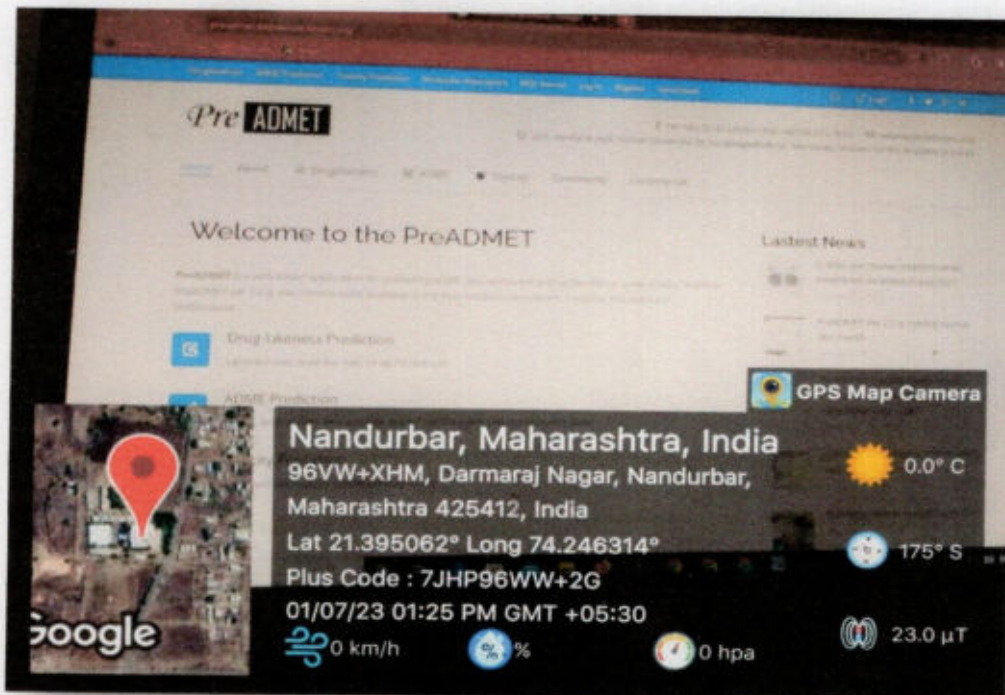
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*PreADMET* web tool used to predict drug likeness and Toxicity of chemical entity



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