

Dr. Rajendra Gode College of Pharmacy, Malkapur

2.3 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT

1. Experiential and Practical Learning:

After lectures in the classroom, experiential learning occurs at the institution through tutorial sessions, labs, equipment simulations. Students are encouraged to understand pharmaceutical science through experiments, project work and industrial visits etc.



Experiential and Practical Learning

The faculty regularly evaluates the practical work that the students complete. Students have the chance to witness and comprehend how theoretical concepts are applied as experiments in the lab sessions are carried out in accordance with the university syllabus. Various Equipments are commonly handled and demonstrated.

Industrial Learning

B. Pharmacy students are sent for industrial visits, trainings and internships to expose them to the working cultures of businesses and to give them the opportunity to interact with industry experts for experiential learning and subject understanding.



Industrial Visit

Hospital Visit

2. Participative Learning:

Scientific Learning

Students are encouraged to engage in active learning in the classrooms, which enhances their learning outcomes. Encouraging students to participate in a range of activities, such as poster presentations, e-posters, Power Point presentations, and quizzes. They are inspired to go to conferences, seminars, and workshops held by the institute and other institutes. To inculcate participatory learning and problem solving abilities in the students, in-class pedagogical activities such as Think-Pair-Share, Kahoot, Gamification, Group discussions are executed.



Group Discussion



Student's Seminar

Name: Prof. Gautam D. Menetre Date: 05/09/2020

Think-Pair-Share
Course:-B.Pharm.
Subject:- Biopharmaceutics
Topic: Absorption

Think:-

1. What is absorption?
2. What are various physicochemical characteristics of drugs which affect absorption?

Pair:-

1. Define the process of drug absorption. (Students should clearly define what the process of absorption is.)
2. Enlist various physicochemical characteristics of drugs which have influence on absorption. (Students should be able to differentiate between various parameters affecting drug absorption and also should be able to answer how)

Share:-

1. What is characteristic feature of drug absorption? (On the basis of previous knowledge students should be able to share exactly what happens when drug gets absorbed across biomembrane).
2. How enlisted physicochemical characteristics of drugs influence process of drug absorption? (On the basis of previous discussion, one should be able to answer how drug absorption is altered by virtue of role played by enlisted physicochemical characteristics).

Peer Instruction Activity:

Think-Pair-Share



Group Discussion

3. Problem Solving Methodologies:

Assignment learning

As an additional learning tool, students are encouraged to generate assignments each semester. Students are given a number of assignments as part of the internal evaluation process, based on the syllabus content. These assignments are remarked and evaluated.

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Name ku: <u>Renu Nandkishor Awarde</u> Sub. <u>Physical Pharma</u>				
Std. <u>B.Pharm III</u> Div. <u>Sery</u> Roll No. <u>53</u> School _____				
S. No.	Date	Title	Page No.	Teacher's Sign / Remarks
①		Assignment No 1	10	
②		Assignment No 2	10	
③		Assignment No 3	9	
④		Assignment No 4	8	
⑤		Assignment No 5	9	
			46	
			46	
			50	
			5	
			40	
		Mean = $\frac{46}{5}$		

Assignment (Offline)

Instructions Student Work

Due Mar 21, 2021

Assignment no.1 of PP-II on Colloidal Dispersion

10 points

Procedure for assignment submission

1. Write down assignment in your note book
2. Write down your roll number on each page
3. Scan each page separately and convert your assignment in PDF format
4. Rename PDF file as your roll number and name
5. Upload this PDF file on your google drive
6. After uploading share link of your assignment on Google classroom in assignment submission section
7. Press Turn in button
8. Once you submit your assignment it will be evaluate online and return to you

21/03/2021 Submit your assignment on or before

Attachments

Assignment no.1.pdf

Add class comment ▶

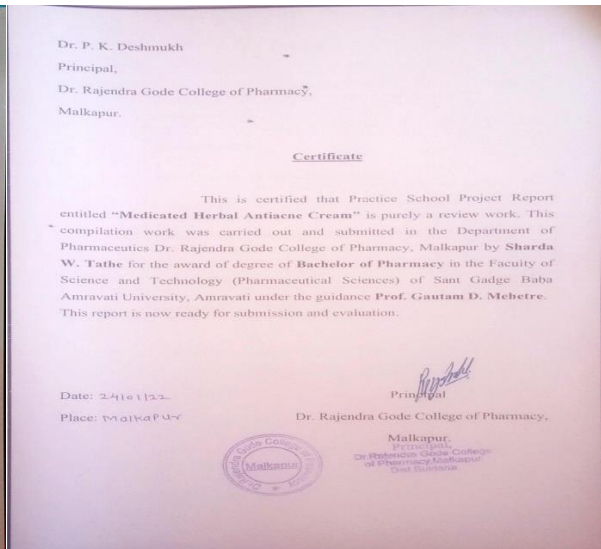
Assignment (Online)

Project-based learning

Project-based learning aids in the development of extra skills crucial to students' future success, such as time management and critical thinking. Smaller research or review projects are assigned to the final year B. Pharm. students working under the project supervisors. Finally, students submit project reports containing their results. Major research projects for M.Pharm. students are assigned to them, taking into account their interests and the focus areas of current research.



PG Student project



UG Student project

Publications/Presentation

Students can use periodicals to improve their writing and research skills, network with professionals, develop as professionals, and learn about potential career paths. Under the

guidance of their lecturers, students submit their pieces of scientific research for publication in reputed journals.



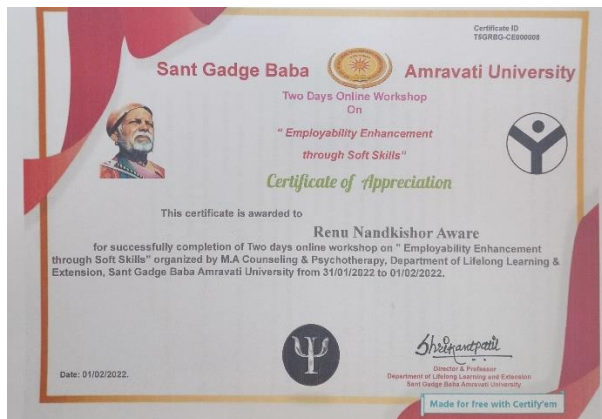
Article publication by student



Poster presentation by student

4. Self-directed learning

Discussion sessions are organized which help focus attention and engage students to grasp the reading material. Students are directed to learn new skills such soft skills by attending online courses like TCS ION runs course for young professionals.



Employability Enhancement Workshop



TCS ION course certificate

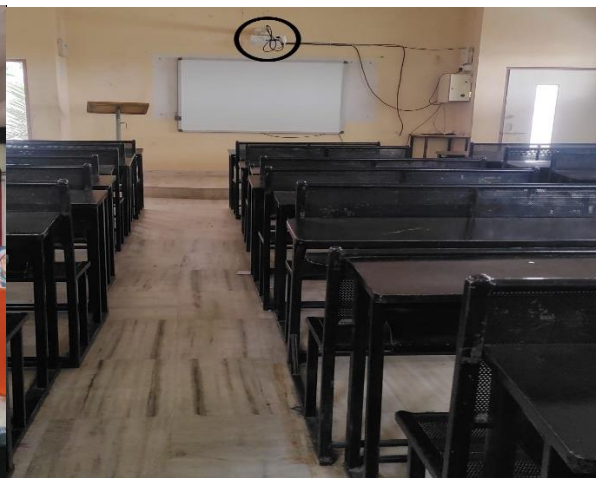
ICT Enabled tools in Teaching-Learning

In addition to traditional teaching approaches, faculty members are employing ICT (Information Communication Technology) enabled teaching methodologies in the classroom. Power Point presentations, Audio-Visual contents, DELNET, NDL, e-journals, e-books, e-notes, Research Gate and Google Scholar websites, Molecular Chem Draw, molecular docking softwares are used.

The well-equipped computer lab allows students to download required textbooks; e-resources. Seminar Hall and class rooms are equipped with multimedia amenities to employ ICT tools. During the lockdown time, educators conducted classes using online platforms like Zoom. Online tests are conducted through Google forms. To address the need of the hour, the college hosted a COVID 19 online quiz, as well as Webinars on various topics. Faculty and students on a Wi-Fi connected campus use internet services to better their teaching learning approaches.



Seminar Hall



Digital Classroom



Wi Fi



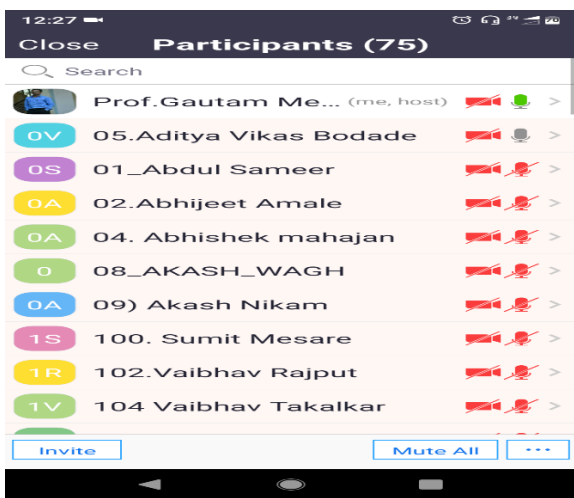
Computer Laboratory



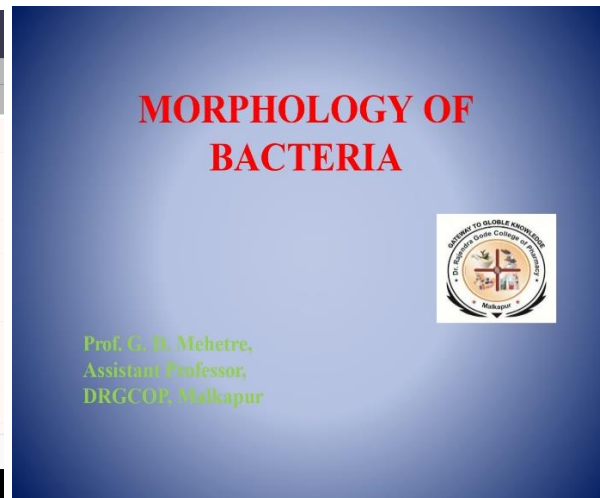
DELNET- e- Journals



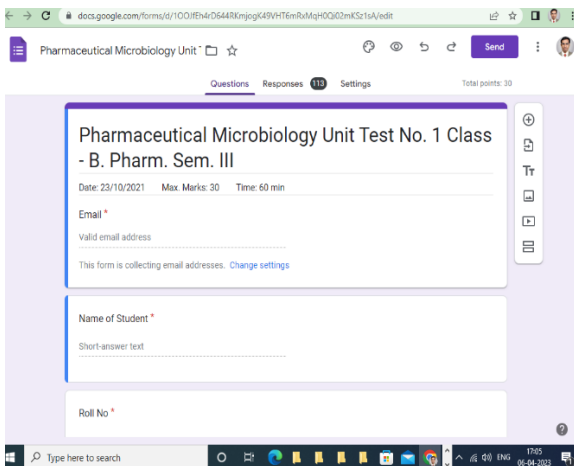
E- Library



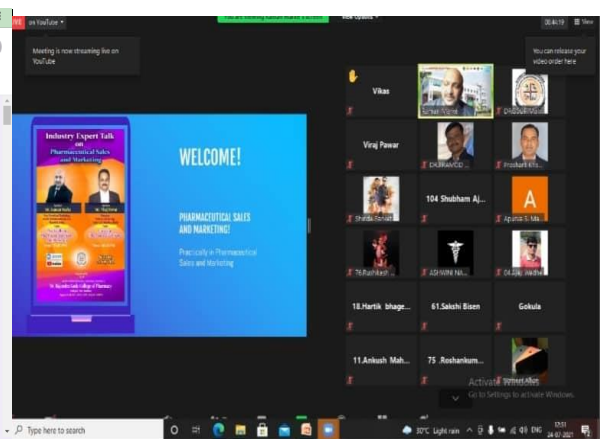
Online Lecture using Zoom



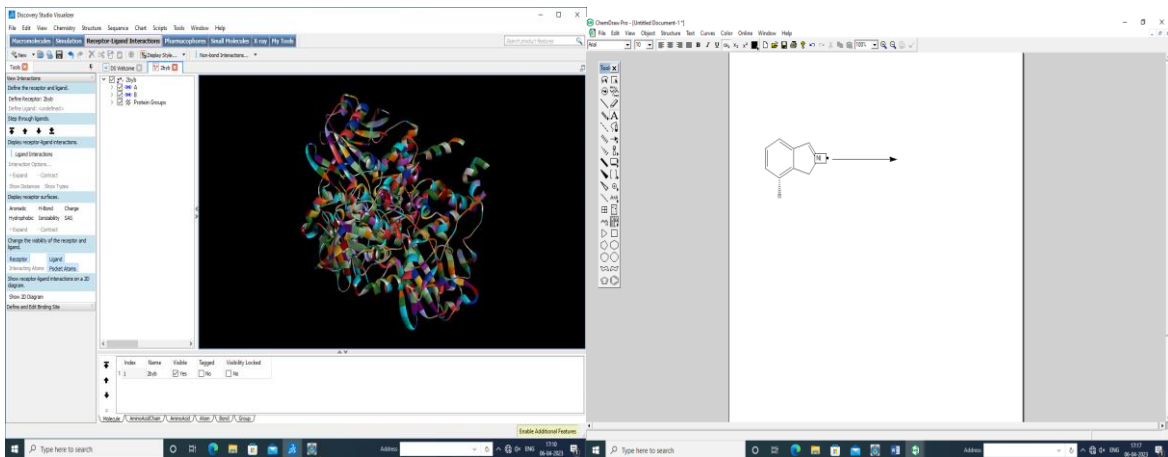
PPT of subject content



Online Unit Test (Google Form based)



Webinar by expert



Molecular Docking

Chem Draw

