Innovations by the Faculty in Teaching and Learning

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ICT Teaching

- Teachers use ICT enabled tools for effective teaching-learning processes.
- Classrooms are well equipped with interactive smart-boards, LCD projectors and have an internet facility. Chalk and blackboard, interactive discussions, use of PowerPoint presentations, videos, etc are some of the teaching innovations adopted by the Faculties.

Learning with technology involving creation of YouTube channel

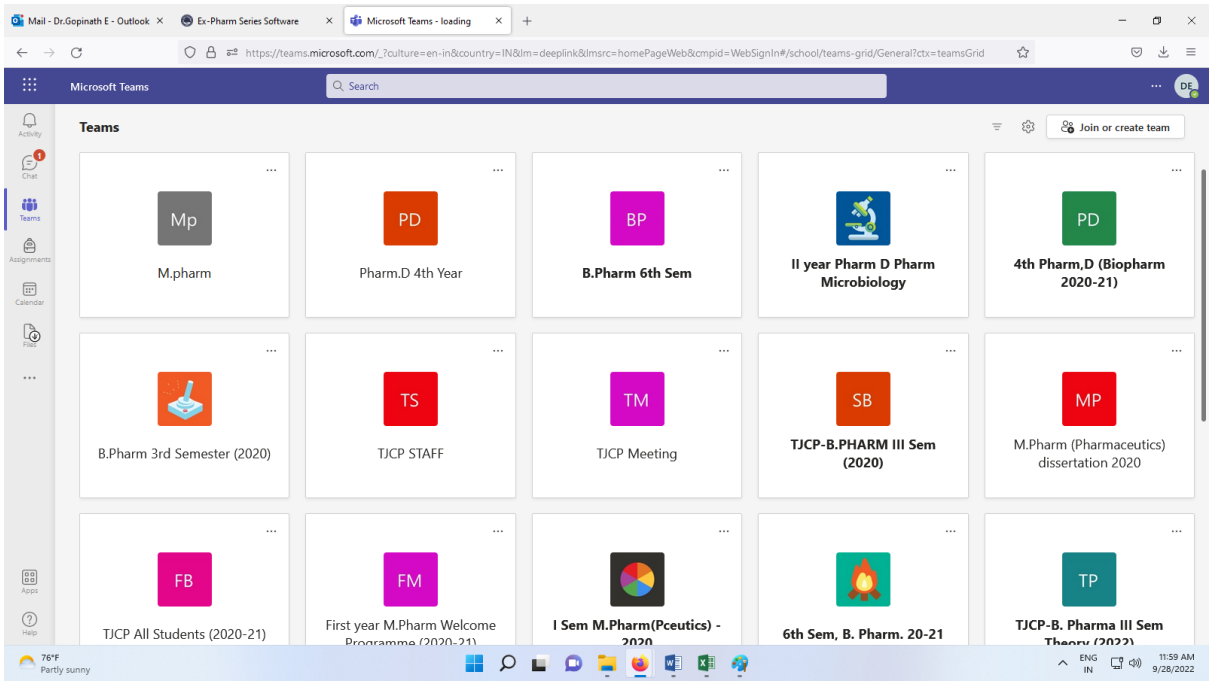
- TJCP has its own channel that contain may lecture videos, motivational talks, Pharmacy program related videos. The channels make it easier and more convenient for teachers to pass knowledge to students. With video lectures it encourages a level of familiarity that helps with building a community and knowledge that is always available and accessible, irrespective of teacher's and student's location.

Lecture Topic	Link
Complexation	https://www.youtube.com/watch?v=qGZ8nMsJwUA
Volatile oils	https://www.youtube.com/watch?v=ifvhaiDRP4s

Grams Staining	https://www.youtube.com/watch?v=u3XxpYoTrCs
Drug Degradation	https://www.youtube.com/watch?v=a7CdHeOLMN0
Medication Errors	https://www.youtube.com/watch?v=WSsxNakZJcA
Electron Transport Chain	https://www.youtube.com/watch?v=NeGY5uUM4Mw
Ketogenesis	https://www.youtube.com/watch?v=ZIiTb8CSB8s
Factors Affecting Enzyme Activity	https://www.youtube.com/watch?v=mlgwcEK5R4c

Online Teaching platform

- The College has purchased Microsoft Teams for conducting online classes. Microsoft Teams is a persistent chat-based collaboration platform complete with document sharing, online meetings, online exams, assignments, and many more extremely useful features for students.



Learning with live demonstration of Pharmaceutical machines

- Using live demonstration of Pharmaceutical machines, for Understanding construction materials, working principal, it becomes easy for students to grasp the working of pharmaceutical machines, its applications and critical processing. The college has purchased different pharmaceutical machineries and analytical instruments that complies with pharmaceutical industry standards.

Learning with Course Certifications

- Teachers and students are encouraged to occasionally enrol in classes on online learning environments like NPTEL, Academic & Administrative Training Institute (RAATI) and National Intellectual Property Awareness Mission (NIPAM). Students follow the course with help of video lectures and are being tested with help of quizzes at the end of all chapters in the course and at the end certificates are earned by them on successfully completing the course.

Learning with Simulation modelling

- Simulation modelling is the process of creating and analyzing a digital prototype of a physical model to predict its performance in the real world. Simulation models are used to perform experiments in pharmacology since animal studies are banned by PCI for UG courses so simulation models are the better replacement for animals which will avoid the sacrifice of animals which is an ethical concern.

Learning by planning

- Students learning are motivated by assigning a model work. A Group of students undertakes project work for fabricating mini pharmaceutical machines. Students use their knowledge, effective planning abilities, and problem analysis skills.

Learning with Pilot Plant laboratory

- A Pilot plant laboratory has a setup of the machines required for unit industrial processes such as tablet punching and coating, dissolution studies, freeze and spray drying, stability test, and nanoparticle size measurement. It gives exposure to the students to get hands-on training of these types of equipment which inculcate the interest towards the research and higher studies. The college has full setup of pilot scale machines for formulating different dosage forms.

Learning with Academic clubs

- As part of college policy all the students should be encaged into different clubs. Clubs should focus on providing essential life skills to students. The club coordinator identifies each club and communicates this to students. Club Enrollment of each student is compulsory and each student should be involved at least in one club. All activities are supervised; all clubs and groups will have an assigned faculty. Guidance is offered to encourage the students in appropriate Club activities.

Learning by Industrial visit

- Industrial visit is considered as one of the tactical methods of teaching. Intending to go beyond academics, industrial visits and field trips provide the student a practical perspective on the world of work. Moreover, it gives exposure from the academic point of view. Industrial visits are arranged by the department for the students to provide them the functional opportunity in different sectors which also helps to combine theoretical knowledge with industrial knowledge. They also provide students a good opportunity to gain full awareness about industrial practices.

Seminars/ Workshop / Guest Lectures:

- The institute invites guest faculties/resource persons at regular intervals. Expert talks by the eminent persons working in pharmaceutical industries/research organizations/ practicing pharmacists help the students and the faculty to understand current trends in various spheres, which lead to the attainment of PO's External resource persons also add value to the program and help students to realize the link between education and real-world in the profession. These talks become a bridge to fill the gaps and also develop a rapport for meeting the future need of the industries/research organizations/universities. These promote a sense of lifelong learning.

Training and Placement

- TP Cell Organizing soft-skills training to improve the student's personality, Confidence level, Public Speaking skills, Conducting Mock Interviews, Group discussions. The TPC also provide Career counselling for pursuing higher studies. The Training and Placement Cell is provided with a well-equipped Seminar Hall for pre-placement talk, well-furnished rooms for training, interviews and counselling. The Placement Cell coordinates with recruiting companies and handles the entire end to end placement process.