



INSTITUTIONAL - BEST PRACTICES NO: 2

1. Title of the Practice: Innovative Teaching – Learning Methods for UG & PG teaching

2. Objectives of the practice

Aim:

- ✓ To provide Active Learning using predominantly SGT methods
- ✓ To provide SDL (Self – Directed Learning)
- ✓ To introduce students to PVL I & reflections
- ✓ To ensure uniform learning experiences to all students
- ✓ To impart adequate knowledge, skills and attitude to the students
- ✓ To encourage problem solving skills
- ✓ To enhance motivation of students and better outcomes
- ✓ To increase the interest of the class
- ✓ Makes learning fun
- ✓ To develop clinical skills in step-wise approach
- ✓ The application of the scientific method & experiment in instructional design

Objectives:

- ✓ To facilitate and ease the acquiring knowledge of students aid.
- ✓ Use of Audio-Visual Aid appropriate essential in practical and demonstration session
- ✓ Adopting new TL methods and media (video based interactive session and PBL)
- ✓ Using E-tools for formative assessment
- ✓ Creating educational videos and resources including Computer Assisted Learning (CAL)

3. The Context

- ✓ Advances in medical science and technology highlight the need for the integration of AV aids into basic science learning.
- ✓ Introducing new TL methods like video based interactive session and PBL into MBBS teaching required a change in attitude and greater involvement amongst faculty and students. Students' active involvement in day to day sessions gained prime importance.



4. The Practices Followed

- ✓ Use of Audio-Visual Aid appropriate essential in practical and demonstration session in Anatomy
- ✓ Adopting new TL methods and media (video based interactive session and PBL) in Biochemistry
- ✓ Using E-tools for formative assessment in Forensic Medicine
- ✓ Quest of the day practiced in Obstetrics and Gynecology
- ✓ Creating educational videos on clinical skills in Physiology
- ✓ Computer Assister Learning (CAL) in Pharmacology
- ✓ Problem Based Learning (PBL) in Pathology

5. Evidence of Success / Outcomes

- ✓ Very effective in giving uniform instruction to the students
- ✓ It enhanced the understanding of subject hence performance in examination
- ✓ Teaching Learning process made more effectively
- ✓ Video based session and PBL were much appreciated by both students and faculties as evident from the feedback obtained.
- ✓ Students reported greater interest in the classes and attendance improved.
- ✓ The faculty reported greater involvement of students, better understanding of students learning needs and an opportunity to go to the depth of the subject.
- ✓ It allowed the faculty to make the learning opportunity based on the interest and knowledge levels of the students
- ✓ The outcome was visibly evident in the internal assessment results (pass percentage).
- ✓ With the use of E-tools to assess students the marks scored in the summative exam increased.
- ✓ Interest in subject has risen
- ✓ The knowledge gained helps them in competitive exams like NEET, AIIMS etc. And participate in intercollegiate academic programmes.
- ✓ Feedback from the students was quite good.



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- ✓ The videos provided as a link which was in a downloadable format was utilized by the students in an effective manner
- ✓ Unique practice followed in our department which will definitely create interest in the young minds of the students during the learning process
- ✓ Reduction and refinement of experiments
- ✓ Avoids negative student perception of experiments

6. Problems Encountered and Resources Required

- ✓ Required sensitization of the faculties regarding use of technology - audio visual aids
- ✓ MAN POWER: Faculty, Computer operator, Attenders
- ✓ Equipment's, & Instruments, and ICT tools like LCD projector, Desk-top, Moving Camera, Television, Microscope, Camera fitted with microscope are required to carry out the newer TL methods
- ✓ It demanded greater workload for faculty
- ✓ Additional faculties are required
- ✓ Additional space is also required
- ✓ Training of faculty for adopting and accepting new TL methods was essential to make this initiative a success, which was a hard task
- ✓ Internet availability