

Innovative practices implemented in the Department

To add value to our institution and various stakeholders Department of Biochemistry has identified the “best practices”. The Department of Biochemistry has initiated the Best Technician award, Research Day, Lab tour and awarding the I MBBS student with a gift for highest attendance or highest marks scored in Biochemistry subject during the University summative assessment. These best practices are “contingent, context dependent and defy generic description”.

1. **Best Technician award:** Best technician of the month and annual award promotes laboratory technician as an integral member of the central diagnostic team and encourages good laboratory practice. Technician is awarded best technician for outstanding work performance, positive attitude, team work and motivation. The technicians are assessed using the checklist each month and annually for various aspects of good laboratory practice. The technicians are also identified based on demonstrated interest in attaining additional education and training. There has been substantial increase in the collegiality of the laboratory technicians as evidenced with their concerted efforts and parameters of Biochemistry NABL accredited with newer parameters included in the scope during the latest NABL assessment.
2. **Research Day:** Notification of Research Day has enabled the faculty to dedicate one day of the week for research related activities. Participation in a research day might also provide ways of demonstrating to other departments how it can aid faculty in fulfilling the research requirements of their disciplines. Health education is provided to the local community to utilize the available dietary resources for combating the ill effects of fluorosis. Department offers consultancy services as evidenced with the completed clinical trials with ITC and Juggat pharma. Fluorosis Research & Referral Laboratory under the aegis of department has collaborative projects with other departments and various strategies are planned to reach out to the community. The publication details of the faculty are available in the department. There has been a substantial progress in research and publications following the implementation of Research Day.
3. **Lab tour:** Groups of students receive an introductory session and tour of the clinical laboratory. During the introduction, a wide variety of topics is covered such as the different pre-analytical considerations prior to testing, analytical variables and post examination variables. The different roles of the staff required to run laboratory testing for a large multi-site healthcare system. Students review the specific tasks of each test in each bench area and also gain knowledge of significance of critical values in the lab. By leveraging the involvement of faculty posted in the Lab for medical students' training through interactions with medical students before and throughout the lab tour, provides the early clinical exposure.
4. **Best Student:** Student procuring the highest attendance during the academic year and/or highest marks scored in University summative assessment is conferred with a gift; this award aims to motivate the student progression.