



UBT College
Faculty of Dentistry
Integrated Dental Program

Quality Improvement Plan 2024-2025

September 2024



This **Quality Improvement Plan (QIP) for the Integrated Dental Program** focuses on specific areas such as curriculum development, clinical training enhancement, faculty development, stakeholder engagement, and continuous assessment improvement, reflecting the insights gathered from the **Faculty Quality Report** and **Annex**. The recommendations have been tailored to address the identified challenges while leveraging existing strengths.

1. Curriculum Development and Syllabus Alignment

Objective: Ensure that the Integrated Dental Program maintains its relevance with the latest trends in dental practice and aligns with UBT's strategic goals.

- **Action Plan:**
 - **Syllabus Review and Updates:** Revise all syllabi to include a stronger focus on emerging technologies such as digital dentistry and CAD/CAM systems, as per the updates indicated in the annual report
 - Ensure that all faculty members incorporate these updates into their teaching materials.
 - **Learning Outcome Monitoring:** Implement mechanisms to monitor the effectiveness of learning outcomes through student feedback and faculty evaluations.
 - **Practical Component:** Enhance the inclusion of minimal practical requirements across all clinical subjects to ensure that students gain sufficient hands-on experience.
- **Performance Indicators:**
 - Completion of syllabus revisions across 100% of clinical courses by the second semester.
 - Student satisfaction with curriculum relevance to dental practice shows an increase of 10% based on mid-year evaluations.

2. Clinical Training and Resource Availability

Objective: Expand clinical training opportunities and improve access to modern dental equipment to meet industry standards.

- **Action Plan:**
 - **Expansion of Clinical Rotations:** Collaborate with external dental clinics to increase the number and variety of clinical rotations. This will expose students to more complex procedures such as implantology.
 - **Resource Enhancement:** Upgrade clinical facilities with state-of-the-art dental chairs, radiographic equipment, and digital systems like 3D printers. Ensure proper access to equipment during rotations to avoid overcrowding.



- **Mentorship Program Expansion:** Enhance the formal mentorship program by assigning clinical mentors to guide students through challenging cases and skill development during rotations.
- **Performance Indicators:**
 - A 15% increase in student satisfaction with clinical training as measured by end-of-year surveys.
 - Reduced wait times for clinical equipment usage, ensuring a better student-to-equipment ratio.

3. Faculty Development and Research Output

Objective: Foster faculty development through continuous professional growth and increased research activity.

- **Action Plan:**
 - **Professional Development Workshops:** Continue organizing faculty workshops on reflective teaching and integrating digital technologies into clinical education. This will improve teaching effectiveness and adaptation to new instructional methodologies.
 - **Support for Research Output:** Provide additional research grants and time allowances for faculty members to engage in international collaborations, thereby increasing the program's academic standing.
- **Performance Indicators:**
 - A 20% increase in faculty research publications by the end of 2024.
 - Positive feedback from students and peers on teaching quality through peer reviews and student surveys.

4. Stakeholder Engagement and Feedback Utilization

Objective: Engage key stakeholders, including students, alumni, and employers, to ensure that the Integrated Dental Program meets current and future professional needs.

- **Action Plan:**
 - **Employer and Alumni Feedback:** Continue gathering feedback from industry employers and alumni to identify gaps in soft skills and clinical preparedness. Introduce additional workshops on communication and patient management.
 - **Focus Groups and Surveys:** Conduct semesterly focus groups with students and faculty to gather insights into the effectiveness of course content and clinical training.
 - **Employment Tracking:** Enhance tracking of graduate employment data to ensure that the program aligns with labor market needs.



- **Performance Indicators:**

- A 10% improvement in employer satisfaction with UBT dental graduates, as measured through feedback surveys.
- 90% of graduates securing employment within six months of graduation.

5. Assessment Methods and Continuous Feedback

Objective: Enhance the assessment techniques used in the program to reflect both theoretical knowledge and clinical competency.

- **Action Plan:**

- **Diversification of Assessment Methods:** Introduce a broader range of assessments, including clinical case presentations, patient care evaluations, and reflective essays
- **Timely Feedback Mechanism:** Implement a system where students receive continuous feedback on both written and clinical assessments. The feedback should highlight areas of strength and improvement.

- **Performance Indicators:**

- 85% of students reporting satisfaction with the variety and fairness of assessments.
- A reduction in the time taken to provide feedback on clinical evaluations to less than two weeks after assessment.

6. Study Material Accessibility

Objective: Improve the availability and accessibility of study materials, particularly for students involved in clinical rotations.

- **Action Plan:**

- **Enhanced Digital Library:** Expand access to digital resources, including the latest research articles and clinical case studies. Ensure that all students, including those in off-campus clinical rotations, have seamless access to essential materials
- **Regular Material Updates:** Review and update study materials regularly to reflect the latest advancements in dental science, such as diagnostic technologies and treatment planning methodologies.

- **Performance Indicators:**

- A 20% improvement in student feedback regarding the accessibility and relevance of study materials.
- Increased usage of digital resources by students during clinical practice.



Improving Quality based on student feedback

Objective: To improve the educational experience in the Integrated Dental Program by addressing the feedback from students and faculty, enhancing clinical training, course delivery, and the learning environment for future dental professionals.

1. Instruction and Pedagogy

Focus Area: Clarity and Method of Instruction

Current Performance: Scores range from 3.5 to 4.5 in clarity and instructional methods.

Goal: To raise the clarity of instruction and engagement in theoretical and clinical teaching to consistently above 4.5.

Action Plan:

- **Enhanced Use of Multimedia:** Incorporate more multimedia tools such as clinical case studies, video tutorials, and interactive presentations to improve understanding of complex concepts (e.g., prosthodontics, implantology).
- **Weekly Feedback Mechanisms:** Conduct weekly surveys for real-time feedback on instructional clarity and student understanding, making adjustments as needed.
- **Faculty Development:** Enroll faculty in professional development workshops focusing on advanced teaching methods and technology integration, especially in complex dental procedures.

Timeline:

- Implement multimedia resources by Spring 2024.
- Weekly feedback surveys to begin in Semester 2, 2024.
- Faculty training sessions to be scheduled quarterly.

2. Clinical Training and Hands-On Assessments

Focus Area: Assessment Methods and Clinical Engagement

Current Performance: Scores for assessment methods are around 3.4-4.0. Clinical engagement feedback is mixed, particularly on the variety of assessments and continuous evaluation.

Goal: Increase the effectiveness and variety of assessment tools, ensuring all students are evaluated comprehensively on both theoretical knowledge and practical skills.

Action Plan:

- **Diversified Assessments:** Introduce clinical case presentations, reflective journals, peer evaluations, and real-time clinical skill assessments during rotations to provide a well-rounded evaluation.



- **Feedback Timeliness:** Provide constructive, detailed, and timely feedback, especially during clinical rotations, allowing students to continuously improve their skills.
- **Transparent Grading Rubrics:** Clearly define grading criteria for all clinical and theoretical assessments to enhance transparency and student understanding.

Timeline:

- Expand assessments starting Semester 3, 2024.
- Immediate implementation of detailed feedback mechanisms.

3. Study Materials and Resource Accessibility

Focus Area: Accessibility and Quality of Study Materials

Current Performance: Scores range from 3.4 to 4.6, with concerns raised about timely access to clinical study materials.

Goal: To ensure that all students have timely and equal access to high-quality, up-to-date clinical materials across digital platforms.

Action Plan:

- **Expanded Digital Resource Access:** Upload all lecture notes, clinical guidelines, and research materials promptly on the university's learning management system (LMS), ensuring they are available in multiple formats (e.g., text, video, audio).
- **Continuous Updates:** Conduct regular reviews and updates of study materials to reflect the latest advancements in dental sciences and clinical practices.
- **Student Feedback on Resources:** Implement a system where students can provide feedback on the relevance and accessibility of the study materials to make ongoing improvements.

Timeline:

- Enhanced access by Semester 2, 2024.
- Regular review of materials at the end of each semester.

4. Student Engagement and Collaboration

Focus Area: Collaboration with Students and Interactivity

Current Performance: Collaboration scores vary from 3.5 to 4.6. Interactivity in practical sessions remains a key area of student feedback.

Goal: Foster a more interactive and collaborative learning environment by enhancing student-led initiatives and group-based learning.



Action Plan:

- **Collaborative Learning Projects:** Promote team-based clinical projects and treatment planning exercises to foster peer-to-peer learning and improve student engagement with clinical materials.
- **Enhanced Mentorship Opportunities:** Provide additional office hours and structured mentorship sessions where students can receive one-on-one guidance, especially during critical clinical rotations.
- **Use of Interactive Tools:** Implement clinical simulations, role-playing exercises, and real-time polling tools to increase participation in both lectures and practical sessions.

Timeline:

- Implementation of these initiatives will start from Semester 1, 2024.
- Expanded office hours and mentorship beginning Semester 2, 2024.

5. Instructor Professionalism and Behavior

Focus Area: Instructor Conduct and Support for Students

Current Performance: High scores (4.7-4.8), but further improvements can be made to foster empathy and support during stressful periods.

Goal: To maintain and enhance the professionalism of instructors while supporting students emotionally during clinical rotations and examinations.

Action Plan:

- **Empathy Training Programs:** Provide regular empathy training and workshops for faculty to enhance their emotional intelligence and ability to support students through stressful clinical situations.
- **Consistent Professional Conduct:** Maintain high levels of respect and professionalism in all interactions with students, ensuring an inclusive and supportive learning environment.

Timeline:

- Empathy workshops to begin in Summer 2024.

Monitoring and Evaluation

- The Quality Assurance Office will track the implementation of this improvement plan through regular student feedback, peer reviews, and semester evaluations.
- Key performance indicators will include student satisfaction surveys, academic outcomes, and feedback from clinical partners and alumni.



Conclusion and Future Directions

The Integrated Dental Program at UBT College is well-positioned to continue its trajectory of excellence in dental education. By focusing on curriculum enhancement, faculty development, clinical training improvements, and robust stakeholder engagement, the program will not only meet but exceed the expectations of the dental community and its students.

This **Quality Improvement Plan** will serve as a strategic framework for elevating the Integrated Dental Program in 2023-2024, ensuring that UBT College continues to produce competent, skilled, and well-prepared dental professionals.

This Quality Improvement Plan is designed to address key areas highlighted in the Faculty Quality Report and ensure the Integrated Dental Program at UBT College continues to provide top-tier education and clinical training.