

King Khalid University College of Dentistry

Quality Management System
Manual - 2023



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Message from the Dean

I thank Allah for the blessing of Islam and his security and protection over us all.

I am happy to introduce the King Khalid University College of Dentistry Quality Management System Manual. The College of Dentistry is committed to achieving the College and Institutional mission by upholding high-quality standards in all aspects of its functioning. The Bachelor of Dental Surgery program goals guide the College towards excellence in teaching, learning, and producing competent dental graduates. I appreciate the faculty and staff at the forefront of striving to achieve the College Goals.



The College's Quality Management System is essential to the organization and allies with the Institutional Quality Management System. The Department of Dental Education and the Quality and Accreditation Committee are responsible for creating and implementing quality standards that align with the National Qualifications Framework, NCAAA requirements, and Vision 2030. This alignment has guided the continuous improvement efforts of the College in teaching, research, community service, and patient care. I am grateful for the support and initiatives extended by the KKU Deanship of Academic Development and Quality that has guided our quality assurance process.

The modern amenities at the new Alqaraa campus will further support the continuous quality improvement endeavours of the departments and committees of the College. The improved clinical facilities will ensure the students receive rich clinical experiences while serving the community with quality patient care. As a College, we are proud of the Islamic values and morals we endorse and instil in our students and pride ourselves in creating a healthy teaching, learning, and working environment. I am hopeful this Quality Management System will go a long way in improving the quality of education, research, community service, and patient care.

Professor Mohammed Ali Alqarny

Vision

To be a distinguished centre for undergraduate and graduate studies and research, nationally and internationally.

Mission

Excel in **training** students, performing and supporting **advanced research**, organizing and conducting broad-based **community outreach** programs, and providing quality **oral health care**.

Goals

- To produce general dentists and specialists who fulfil national requirements
- To establish the College as a major centre for advanced oral health research
- To promote an effective and broad-based community oral health program
- To provide comprehensive dental care in the region



Figure 1.1 Strategic Plan Theme

I. Introduction

I.1 History of King Khalid University College of Dentistry (KKUCOD)

The Council of Higher Education approved King Khalid University (KKU) on July 9th, 1998. Based on the recommendation of the King Khalid University Board, the Supreme Council of Higher Education issued its approval on February 4th, 2001, for the establishment of a Dental College at King Khalid University.

The key reasons for the establishment of the program were:

- High demand for Saudi dentists in the Kingdom of Saudi Arabia
- Provide general and specialist dental services to the general population in the region.
- Need for oral health promotion throughout the country.
- Generate employment opportunities for Saudi dental graduates.
- Expansion of KKU programs in line with national Higher Education policy

A Royal Consent ratified the approval in 2001, and accordingly, the new College admitted its first batch of male dental students during the academic year 2003/2004 in the Alsamer campus. This class of students graduated in July 2009. In line with the rapid expansion strategy of KKU, the male campus of the College of Dentistry was relocated to the Graiger University campus in February 2009. In September of the same year, the first batch of female dental students was admitted to the dental program at the Alsamer campus.

The total number of enrolled male and female students in the College has reached 1130 and 610 by the end of semester 2 of 2019-20. Approximately 100 students undergo the Internship Training Program over the two semesters of each academic year.

1.2 The Internal Quality Assurance System

King Khalid University College of Dentistry (KKUCOD) has designed the internal quality assurance (IQA) to match the IQA at KKU. It focuses on spreading the quality culture and monitoring the quality in the administrative and academic areas of the College. The KKUCOD IQA's primary purpose is to facilitate the implementation of the KKUCOD strategic plan to achieve its strategic goals, mission, and vision. The KKUCOD IQA is practised by implementing quality policies and initiatives, periodic reports and measurement and analysis of indicators. The KKUCOD quality management system (QMS) implements and monitors the policies and procedures of the KKUCOD IQA.

1.3 The External Quality Assurance System

The External Quality Assurance (EQA) at KKUCOD involves benchmarking the College at a national level. The KKUCOD EQA complements the KKUCOD IQA by providing the data and statistics compiled at different courses and committee levels at different times.

The components of KKUCOD EQA are the following.

- Self-Study for NCAAA Accreditation
- Compliance with the National Qualification Framework (NQF)
- Program Accreditation
- Benchmarking with National Dental Colleges
- Measurement and Analysis of KPIs

Applying for NCAAA accreditation and preparing a comprehensive self-study report, measuring its performance on the NCAAA five standards and criteria defined by the Education and Training Evaluation Commission (ETEC).

1.4 KKUCOD Advisory Committee

Purpose

- Linking college outputs to the needs of the labour market in the public and private sectors.
- Achieving community partnerships with civil society sectors and institutions.

- Benefiting from national and international experiences in making decisions that have a societal impact.
- Participation of several beneficiaries in civil society in managing and directing the College in a way that enhances cooperation, partnership, and integration with civil society.
- Strengthening the relationship between college students and public and private civil society institutions

Membership

- The College Dean chairs the College Advisory Board
- The Vice Dean of the College of Dentistry is the Secretary of the Board.
- The Board meets at the invitation of its chairman at least once a year.
- Board sessions may be held inside or outside the College, and he may invite whoever he sees from outside the Board to attend its sessions.
- Board membership is for two years, subject to change.
- Board members will include eminent personalities such as Deans or Professors of Dental Colleges, Professors and Doctors working in Ministry of Health, KKUCOD Alumni, and International personalities with experience in oral health care and academics.

Duties

- Submitting proposals regarding everything that serves to explore the College's future.
- Providing ways to deepen the partnership between the College and the local and global community.
- Contribute to the development of programs and curricula following the requirements of the labour market.
- Contribute to the implementation of the College's strategic plan.
- Submit proposals that would provide material and moral support for the College.
- Contribute to developing a mechanism for coordination and establishing joint projects between the College and the sectors of society to find solutions to society's problems in an integrated manner.
- Proposing methods to provide funding sources for the College's developmental projects.

1.5 Objectives of Quality Management System

The KKUCOD QMS objective is to standardize the quality activities and spread the quality culture across the College. The following are the objectives of KKUCOD QMS.

- Develop and share the quality practices and procedures
- Improve the quality of KKUCOD administrative and academic activities
- Spread quality culture across the College
- Develop necessary quality structures
- Define the roles and responsibilities of participants in the quality assurance framework
- Continuous Assessment of performance
- Identify good practices
- Promote continuous improvement

2. The Quality Management System at KKUCOD

The Department of Dental Education is the centre for preparing, implementing, monitoring, and reporting the quality management system at KKUCOD. Reporting in QMS is done through the NCAAA annual program reports (APR) and course reports (CR) for the academic processes. The QMS ensures that the Bachelor of Dental Surgery (BDS) program aligns with the National Qualifications Framework (NQF) for identifying the program learning outcomes at LEVEL 6. For non-academic operations, the QMS also reports the goals, objectives, measurements, outcomes, and results for improvement.

2.1 Process of Development of QMS

The development and implementation of QMS is an NCAAA eligibility requirement. Figure 2.1 summarizes the QMS development process. The Quality and Accreditation Committee is tasked with the development of the KKUCOD QMS.



Figure 2.1 Quality Management System Development Process

At different stages, the academic departments, the College Board, and the Dean approve the QMS. The summary of academic/non-academic activities, the IQA, EQA, indicators, and benchmarking form the central part of the QMS. Figure 2.3 presents the details of the Quality Assurance and Accreditation processes at KKUCOD.

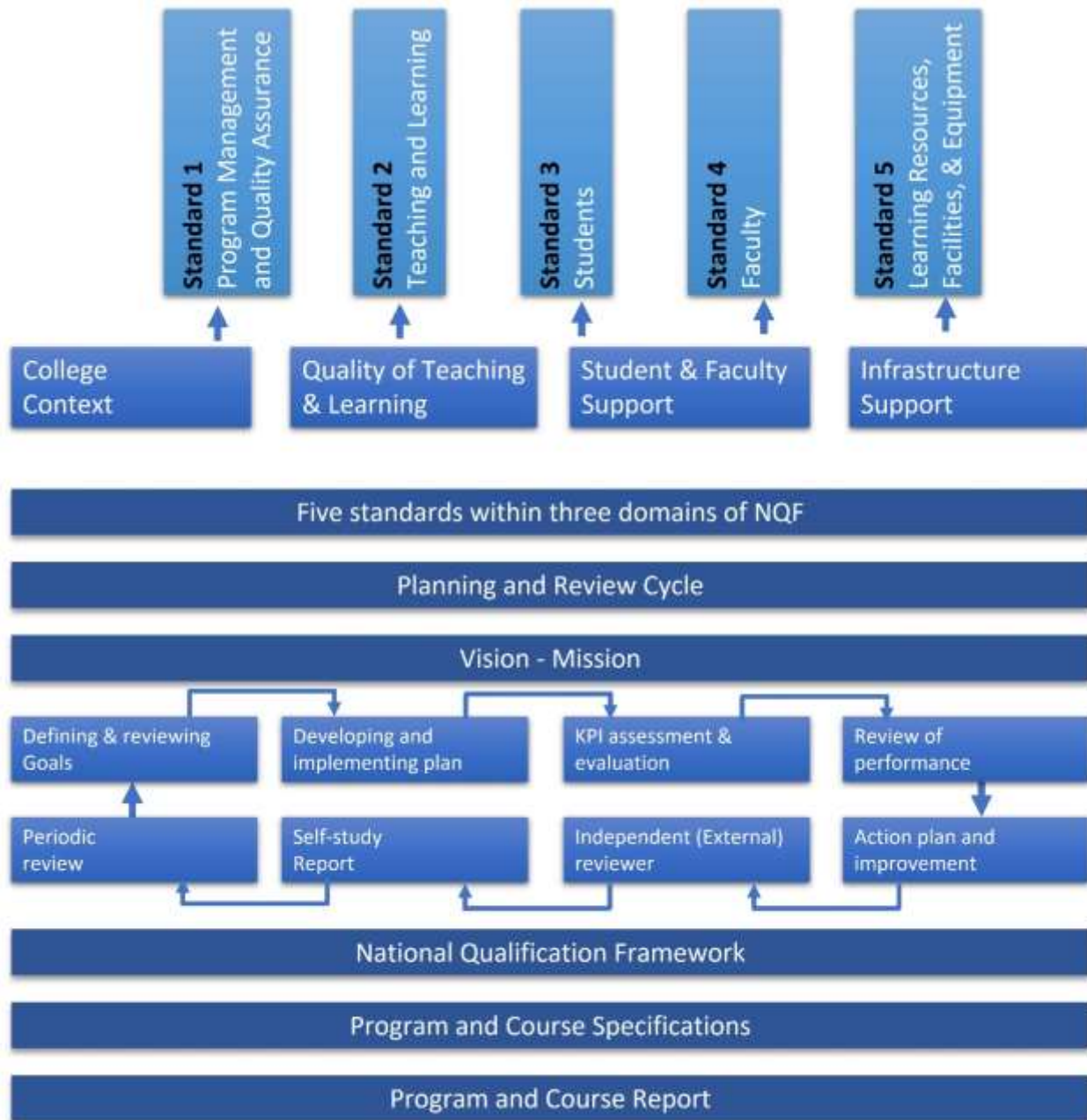


Figure 2.2 Quality Assurance and Accreditation Process

2.2 KKUCOD Organization Chart

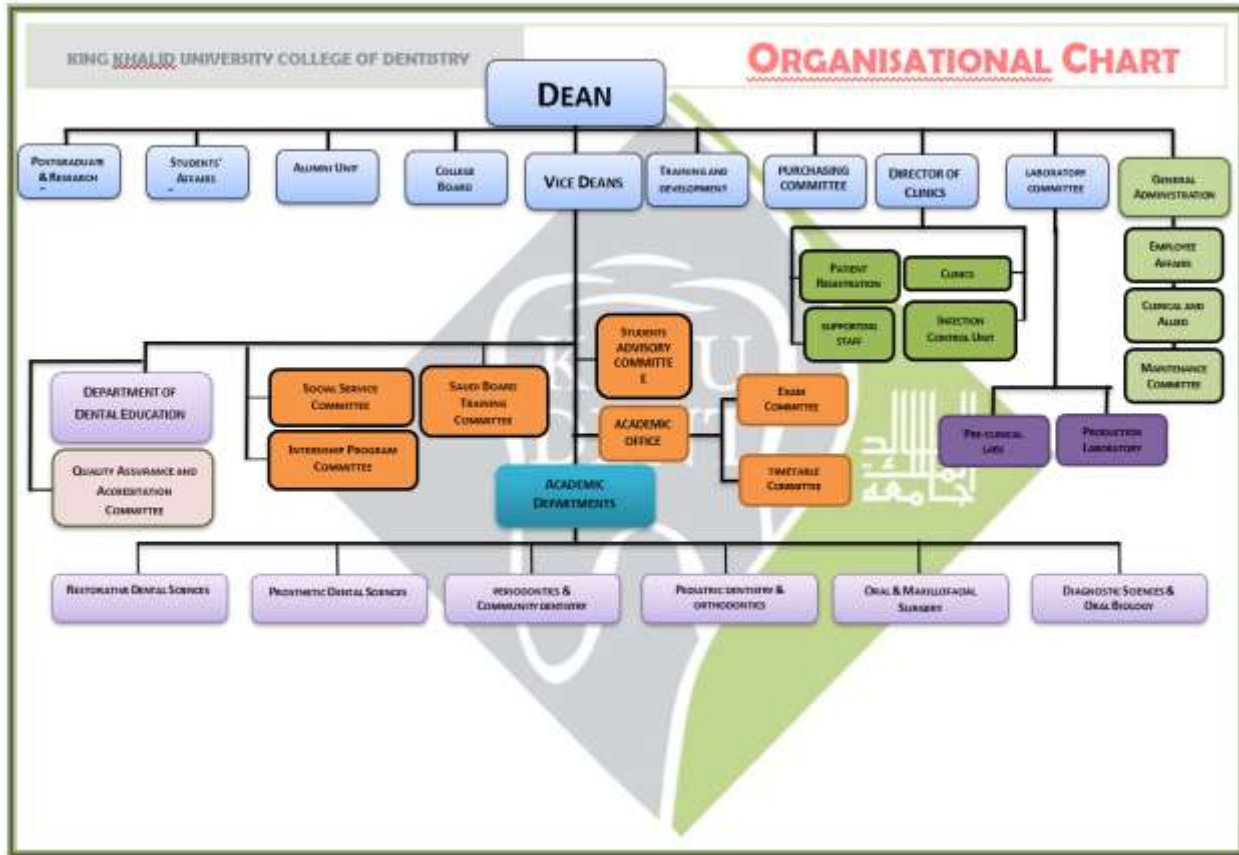


Figure 2.3 KKUCOD Organization Chart

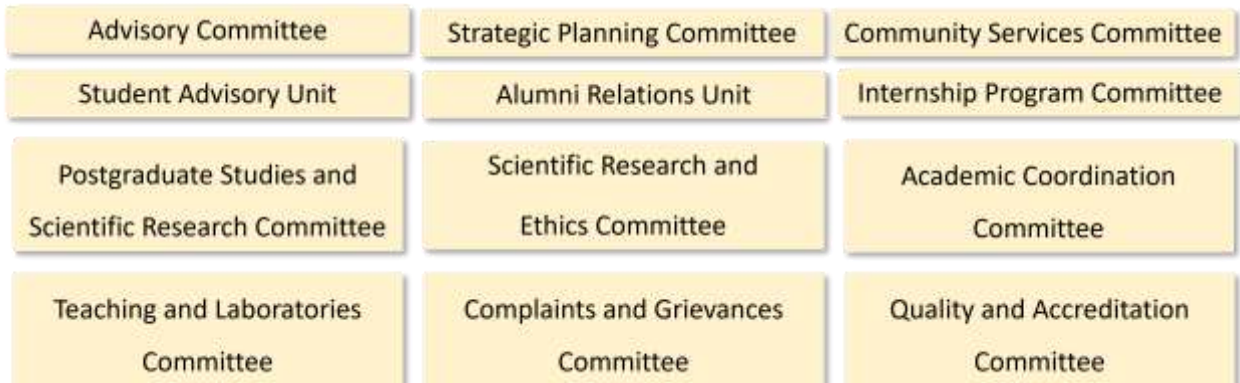


Figure 2.4 KKUCOD Units and Committees

2.3 Documentation and Record Control

The Department of Dental Education (DDE) coordinates the quality management and assurance system at KKUCOD. DDE aims to instil a culture of quality leading towards excellence, continuous improvement and sustainable quality processes to provide an optimal teaching and learning environment. The DDE and the Quality and Accreditation Committee aspire to meet the NCAAA standards and provide a model for other accreditations for the College. Figure 2.5 presents the major documents and records controlled by the DDE to implement the QMS and measure the effectiveness of the quality procedures. The periodicity of the documents and data measurement is annual. The recording and implementation of the QMS at the level of courses are done through the NCAAA course specifications and course reports. The approved action plans at the college level are recorded in the NCAAA program specifications and annual program report.



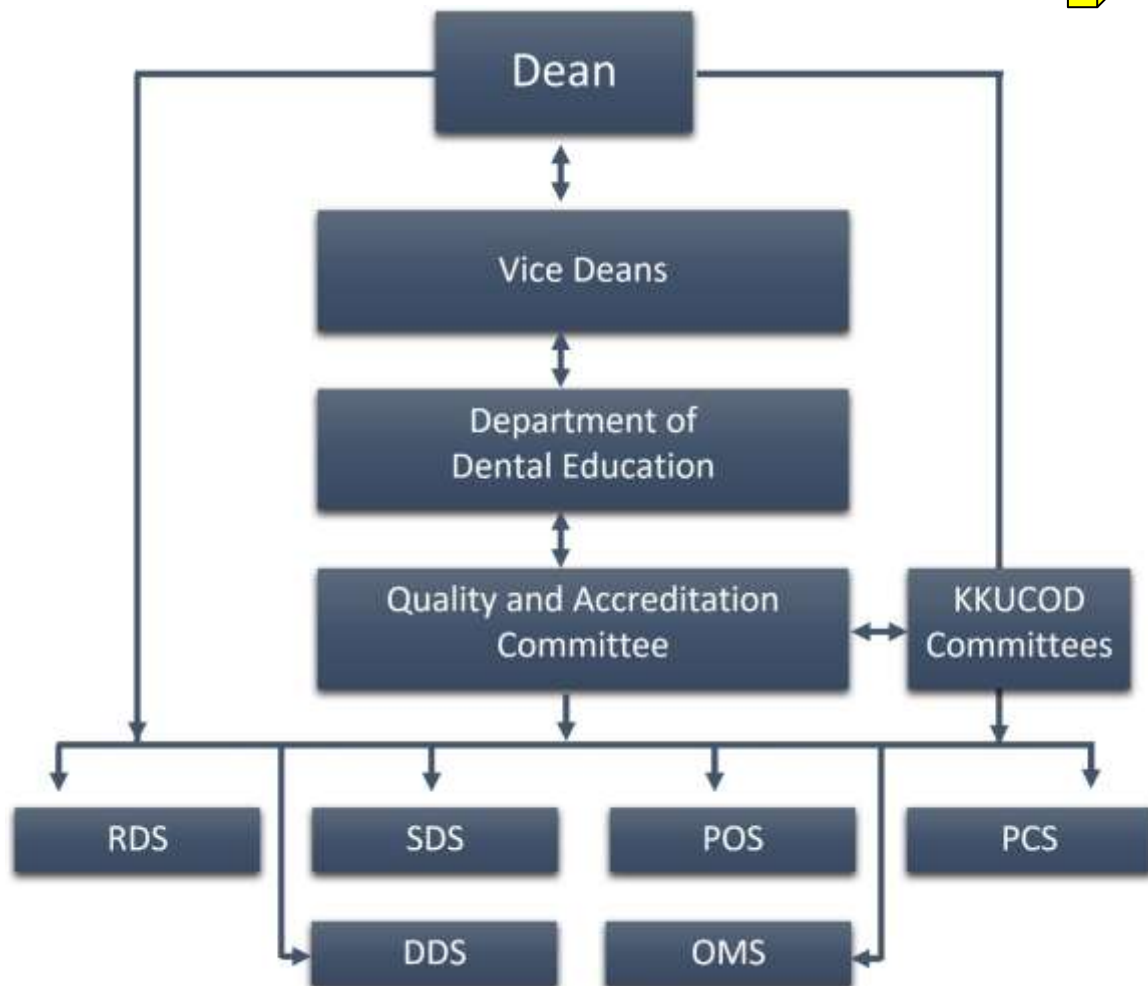
Figure 2.5 Documents and records controlled by the DDE

3. Responsibilities for Quality Management at KKUCOD

3.1 Quality Assurance Structure at KKUCOD

The Quality and Accreditation Committee provides the Quality Assurance structure to KKUCOD. Figure 3.1 summarizes the Quality Assurance structure at KKUCOD. The implementation of QA is done in academic and non-academic departments through the College committees, units, and administrative staff.

Figure 3.1 Quality Assurance Structure at KKUCOD



3.2 Quality and Accreditation Committee Structure

Purpose

The KKUCOD Quality and Accreditation Committee is responsible for quality assurance at KKUCOD. It also governs, reviews, and approves the quality assurance processes aligning with the College's teaching and learning mission, research, community engagement, and patient care.

Membership

The Dean selects the Quality and Accreditation Committee members, and the College Board approves the membership. The Committee is headed by a chairman and assisted by its members. The members are chosen according to the following criteria.

- Full-time faculty
- Qualification or experience related to the committee tasks
- Has no conflict of interest

Terms of Reference

- The workload distribution of the Committee must be according to the expertise of the committee member.
- The Committee Chairman workload should be fairly distributed among the committee members.
- The Committee should be reconstituted partially or fully every year. The reconstitution of the Committee is based on the Committee's achievements and contributions to ensure continuous improvement.

Duties

- Communication with the Dean, Vice Dean, Department Chairmen, and Committee heads about quality activities.
- Provide feedback on the results of annual program reports, action plans, and performance assessments.
- Make recommendations for improvement and other program activities to the departments and the appropriate committees.

- Disseminate department and committee performance information to promote quality assurance and a culture of excellence.
- Ensure the quality is upheld in all College activities & the NCAAA standards are met.
- Ensures the College maintains continuous, appropriate, and effective quality improvement through all activities and regular performance assessments.
- Annually review college performance for use in submissions for NCAAA accreditation requirements.
- Ensure that the appropriate resources are available to support the QA process.
- Ensure that the requirements for program accreditation are met promptly.
- Assure a systematic implementation of the curriculum, the best utilization of learning resources, and optimal educational management, and monitor the outcomes of the academic program.

3.2.1 NCAAA Accreditation Subcommittees

The NCAAA Accreditation Subcommittees work under the Quality and Accreditation Committee. The subcommittees are divided according to the NCAAA standards, and they work to measure, analyze, and report the action plans for the indicators related to their respective NCAAA standards (Figure 3.2). The subcommittees are assisted by ad hoc committees that work temporarily alongside the members of the subcommittees.



Figure 3.2 Subcommittees supporting Quality and Accreditation Committee

3.2.2 Department of Dental Education

The Department of Dental Education (DDE) was established in 2011. DDE was initially made responsible for monitoring curriculum implementation, conducting curriculum review, peer review of courses, and recommending curriculum development as may be required.

DDE Committees

1. Academic Development and Curriculum Planning Committee
2. Quality and Accreditation Committee
3. Continuing Dental Education and Media Committee
4. Measurement and Evaluation Committee

DDE Goals

1. Evaluate, revise, and recommend policies to implement the BDS curriculum in the College.
2. Share and update the faculty about the latest teaching and assessment strategies.
3. Ensure the quality standards and values are upheld and improved in the College's academic activities that meet the NCAAA standards.
4. Assure a systematic implementation of the program accreditation process.
5. Promote the latest dental education practices in the teaching and learning activities of the faculty.
6. Develop educational and non-educational processes for the College through media relations activities.
7. Provide a centralized system of printing, scanning, and analyzing the reliability of exams.

DDE Roles and Responsibilities

- Organizing continuing dental education events.
- Conducting media relation activities
- Arranging the new faculty orientation program
- Vetting the course specification documents of all the courses.
- Monitoring the faculty's commitment to the teaching and learning strategies mentioned in the course specification documents.

- Evaluating the effectiveness of the steps taken by faculty to close the assessment loop.
- Recommending new teaching strategies and conducting meaningful lectures and workshops for the faculty with the help of the CDEM committee.
- National and international institutional collaborations.
- NCAAA accreditation activities
- Quality and accreditation documentation like SSR, APR, PS, KPI reports, Manuals, and Survey reports
- Scanning, printing, and analysis of examinations
- Updating and archiving of course files.
- Inspire a culture of quality throughout the College.

3.2.3 KKUCOD Committees

KKUCOD Committees are responsible for various academic and non-academic activities. The Dean of the college constitutes these committees and appoints a head. The College Board approves the members and terms of reference of these committees. The details of all the KKUCOD Committees are given in this [attachment](#).

4. Responsibilities of KKUCOD Leadership

The department committees headed by the Department Chairman implement the quality assurance system across all academic departments. The Department Chairmen reports to the Dean, and the College Board monitors the functioning and performance of the Departments. The responsibilities of the leadership are given below.

4.1 Responsibilities of Dean

The Dean administers the Quality Procedures and Practices of the College through the Department of Dental Education and the Quality and Accreditation Committee.

Typical duties of the Dean include the following.

- Ensure the quality procedures and practices are implemented in all the Departments of the College.
- Correspond with the Department of Dental Education and the Quality and Accreditation Committee.
- Communicate with the accreditation and benchmarking organizations.
- Provide the necessary resources and infrastructure to the Dental Education and the Quality and Accreditation Committee.
- Lead the accreditation review process.
- Monitor the implementation of the strategic and operational plan of the College.
- Monitor the implementation and progress of the Vision-Mission and goals of the College.

4.2 Responsibilities of the Vice Deans

There are three Vice Deans for the College who report to the Dean.

1. Vice Dean Academic Affairs and Quality.
2. Vice Dean for Research and Postgraduate Studies
3. Vice Dean for Female Secion

The typical duties of the Vice Dean for Academic Affairs and Quality include the following.

- Administer educational activities and works on their development
- Approves the College teaching schedule and supervise the teaching load for faculty
- Supervise the exam committee's work on student exams and their Assessment

- Submit postgraduate programs proposals and monitor the implementation of the postgraduate curriculum
- Provide support to scientific research activities in the College
- Administer the smooth functioning of female student activities
- Review progress and evaluate the performance of DDE and Quality and Accreditation Committee

The typical duties of the Vice Dean for Research and Postgraduate Studies include the following.

- Follow-up, supervision and development of research fields for college employees
- Develop strategic plans for the implementation of scientific research.
- Setting rules and regulations for scientific research.
- Follow up the provision of financial support for internal and external funding research for college employees.
- Holding continuous workshops to develop the research, science and innovation field in the College.
- Follow up on scientific innovation and encourage the College's employees to do so.
- Establishment and development of graduate programs
- Setting rules and regulations for graduate programs in the College.
- Setting rules and regulations for students and supervisors of graduate programs.
- Supervising the receiving and acceptance of applications for applicants to programs.
- Supervising the workflow of graduate programs and their needs.
- Follow up the provision of financial support for internal and external funding research for graduate students.
- Supervising the receiving and acceptance of applications for teaching assistants.
- Follow up on the conditions of scholarship students.
- Establishing and developing the Advanced Technologies Research Laboratory in the field of dentistry.
- Providing continuing education programs to develop college employees' and health practitioners' professional and scientific skills.
- Holding local and international conferences in dentistry.

The typical duties of the Vice Dean for the Female Section include the following.

- To oversee the implementation of the recommendations of the College Council regarding the female section.
- Coordination with the vice deans of the College to ensure the implementation of plans and the continuous development of the program
- Propose future plans and development projects for the program.
- Supervising the implementation of the College's strategic plan for the female section.
- Management of Educational, Research, Administrative, Financial and Cultural Affairs in respect of the female section
- Coordinating and developing the College's relations regarding the female section inside and outside the university.
- Supervising the provision of all Education, Research, Administrative and Financial requirements concerning the female section.
- Preservation of the College's fixed and movable property
- Work to improve the image of the College.
- Supervising the planning and preparation of the budget for the female section. Work on the development of work in the female section administratively and academically.
- Coordinating and organizing the administrative and organizational relationship with the Dean, Vice Deans and Heads of Departments in their respective fields regarding the female section.
- Submission of periodic reports to the Dean of the College on the functioning of units in the female section
- Follow-up to the units in the female section
- Supervision on finances and custodies in the female section following the regulations
- Follow up on updating the vice deanship website in an up-to-date manner.

4.3 Responsibility of the Department Chairmen

The head of the department (HOD), also referred to as the Department Chairman, is the department's overall administrator. The HOD takes the general decisions on the functioning of the department. The coordinators of all the department committees report to the HOD, and the HOD reports to the College Dean.

Typical duties of the HODs related to quality assurance in the department include:

- Communication with the Chairman of the Department of Dental Education and the Dean of the College
- Performs the supervision, monitoring, and review of the performance of the department committees
- Monitoring of the program delivery following the course specifications.
- Monitoring the results of the student evaluation of course surveys and feedback received from the students.
- Monitoring the implementation of the action plan for improvement derived from the Course Reports and feedback from the students.
- Ensure measurement of the course learning outcomes, the submission of the course reports for each course, and the course delivery per the course specifications.

4.4 Responsibility of the Department of Dental Education Representative

The Department of Dental Education representatives, or DDE Reps, represent the six College departments to DDE. The HOD of each department appoints one DDE Rep. They liaise between their department and DDE for communication and reporting of academic affairs.

Typical duties include:

- The DDE Reps forward official messages from DDE to their respective departments and vice-versa
- They collect and deliver the course files to DDE at the end of each semester
- They help their departments with issues related to QAS by reporting them to DDE

4.5 Responsibility of the Course Coordinators

Reporting to the HOD, the course coordinator works with course contributors within the department to ensure consistency of the adopted curriculum and to implement the course delivery as per the course specifications and Assessment of course learning outcomes.

The course coordinator submits a separate course report for every course and each campus where the course is taught, even if the same course coordinator teaches the course. A combined course report is then prepared and provided to the HOD and the Department of Dental Education.

Typical duties include:

- Coordinates with the course contributors to run the course
- Schedule meetings with course contributors with the course committee to discuss course learning, teaching strategies, assessment methods and the entire course report.
- Prepare course reports and submit them to the HOD and the Department of Dental Education through the Department representative to DDE.
- Schedule course committee meetings each semester.
- Maintains an archive of course file
- Provide required reports and information to the department, curriculum and quality committees.

5. Benchmarking and Key Performance Indicators (KPIs)

5.1 Benchmarking and KKUCOD KPIs

KKUCOD lays significant emphasis on benchmarking, given the challenges it faces to be one of the premium dental colleges of the Kingdom. Therefore, benchmarking is done to ensure quality teaching and training, provide efficient dental services, conduct utilitarian research, and establish effective community outreach programs. This benchmarking would satisfy all stakeholders and attract students and faculty to ensure that the College's vision is fulfilled. The challenge was to compare the College with already accredited dental Colleges in the Kingdom and try to match national standards by testing the following criteria:

- Identifying different KKUCOD processes to be benchmarked
- Identifying a national dental college which is NCAAA accredited and ranked better than KKUCOD.

KKUCOD selected Qasim University College of Dentistry based on these criteria as their external benchmark.

The KKUCOD KPIs are categorized according to the NCAAA Self-Study report standards and are listed below.

Standard 1: Program Management and Quality Assurance

#	KPI Code	NCAAA KPI Code	Key Performance Indicators (KPI)
1	SI.1	KPI-P-1	Percentage of achieved indicators of the program operational plan objectives
2	SI.2	-	Proportion of courses in which student evaluations were conducted during the year.

Standard 2: Teaching and Learning

#	KPI Code	NCAAA KPI Code	Key Performance Indicators (KPI)
1	S2.1	KPI-P-3	Students' Evaluation of the quality of the courses.
2	S2.2	KPI-P-04	Student completion rate
3	S2.3	KPI-P-05	First-year students retention rate
4	S2.4	KPI-P-09	Employers' Evaluation of the program graduates proficiency.

Standard 3: Students

#	KPI Code	NCAAA KPI Code	Key Performance Indicators (KPI)
1	S3.1	KPI-P-2	Students' Evaluation of quality of learning experience in the program
2	S3.2	KPI-P-06	Students' performance in the professional and/or national examinations.
3	S3.3	KPI-P-07	Percentage of KKU Graduates enrolled in postgraduate programs or employed within a year of graduation.
4	S3.4	KPI-P-08	Average number of students in the class
5	S3.5	KPI-P-10	Students' satisfaction with the offered services
6	S3.6	-	Satisfaction of recipients with KKUCOD outreach program
7	S3.7	-	Student performance in clinical competency assessment

Standard 4: Teaching Staff

#	KPI Code	NCAAA KPI Code	Key Performance Indicators (KPI)
1	S4.1	KPI-P-11	Ratio of students to teaching staff
2	S4.2	KPI-P-12	Percentage of teaching staff distribution
3	S4.3	KPI-P-13	Proportion of teaching staff leaving the program.
4	S4.4	KPI-P-14	Percentage of publications of faculty members
5	S4.5	KPI-P-15	Rate of published research per faculty member
6	S4.6	KPI-P-16	Citations rate in refereed journals per faculty member.
7	S4.7	-	Percentage of faculty actively engaged in community service activities.

Standard 5: Learning Resources, Facilities, and Equipment

#	KPI Code	NCAAA KPI Code	Key Performance Indicators (KPI)
1	S5.1	KPI-P-17	Satisfaction of beneficiaries with the learning resources
2	S5.2	-	Number of patients treated annually
3	S5.3	-	Patient dental treatment completion data
4	S5.4	-	End of treatment patient satisfaction survey – Intern
5	S5.5	-	End of treatment patient satisfaction survey – Student
6	S5.6	-	Satisfaction of Department Chairmen with the provision of clinical and lab facilities

5.2 Program Learning Outcomes and their Assessment

KKUCOD program learning outcomes (PLO) depict the knowledge, skills, and values a student will display after completing the BDS program. KKUCOD has a well-established PLO assessment plan that is utilized annually. The program learning outcomes are assessed to improve the program and form the basis for curriculum changes and program development as evidence of student learning.

The KKUCOD PLO assessment system depends on data collection from multiple sources to increase the validity and reliability of the Assessment (Figure 5.1).

The departments also ensure that the course learning outcomes are consistent with the PLOs and NQF, covering all learning domains. Students' performance during the final theory, practical/clinical and clinical competencies provide a valuable tool for assessing achievement of course learning outcomes and the PLOs. Knowledge, Skill and Values domain results are tabulated and compared with KKUCOD internal benchmarks.

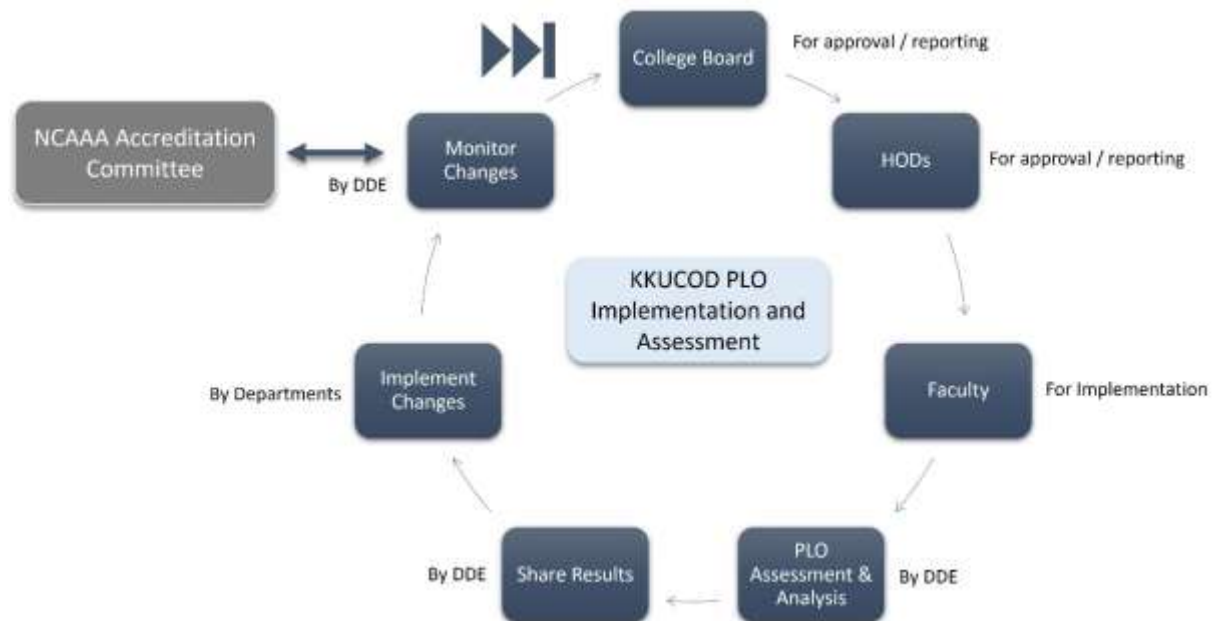


Figure 5.1 KKUCOD PLO Implementation and Assessment

The direct methods for assessing PLOs is carried out by considering the exam result of courses in the highest academic level for each speciality. If the benchmarks are not met, in-depth analysis and careful interpretation of student grades in each course will give an insight into the degree of achievement of PLOs and reveal any action needed for course modification and improvement.

The indirect methods for PLO assessment include surveys and tabulation of statistical data. The surveys utilized for the indirect method of PLO assessment are.

- Students' Evaluation of courses
- Performance of KKUCOD graduates in the Saudi Dental Licensing Examination

Table 1.2 KKUCOD Program Learning Outcomes (PLO)

Knowledge
K1. Demonstrate critical knowledge of the biomedical, technical, and dental sciences and the normal and abnormal variations of the craniofacial complex relevant to clinical practice.
K2. Integrate the fundamental principles of infection control, occupational hazards, prevention, and patient safety into contemporary dental practice and scientific research.
Skills
S1. Implement problem-solving and critical thinking to diagnose, manage, and treat oral and systemic conditions, complications, and emergencies.
S2. Demonstrate skills to access, critically analyze, and communicate scientific literature in providing evidence-based oral health care and conducting scientific research.
S3. Use advanced techniques to document and correlate medical, oral, and radiographic findings to develop differential and definitive diagnosis and formulate comprehensive, patient-centred treatment plans for patients of all age groups and types.
S4. Apply essential practical and clinical skills to demonstrate effective manual dexterity in using materials and instruments safely to deliver interprofessional comprehensive patient care and manage clinical emergencies by adhering to regulatory guidelines and infection control procedures.
S5. Communicate effectively with patients, their attendants, and other healthcare professionals using appropriate oral health promotion and delivery methods.
S6. Utilize contemporary digital technological tools for research, informatics, and documentation in dental practice management.
Values
V1. Employ the principles of ethics, responsible citizenship, and respect for diversity in providing oral health care services by adhering to the latest legal and national regulatory policies.
V2. Integrate professionalism, autonomy, accountability, lifelong learning, effective teamwork and workplace self-assessment for disease prevention, treatment, and oral health promotion.
V3. Apply the principles of leadership, entrepreneurship, time, and resource management in general dental practice.

5.3 KKUCOD Graduate Attributes

Graduate Attributes (GAs) are high-level qualities, skills, and understanding students should gain due to the learning and experiences they engage in at College. Every KKUCOD graduate is unique, and the experiences and opportunities at KKUCOD will lead them to achieve the attributes listed in Table 5.1. The Dean of the College approves the GAs prepared by DDE following the KKUCOD Graduate Attributes Road map (Figure 5.2).

Table 5.1 Graduate Attributes - 2023

#	Attributes	Interpretation
1	Ethical responsibility	Responsible citizenship
		Integrity
		Coexistence and respect for diversity
2	Scientific knowledge and clinical skills	A broad range of oral health knowledge and skills
		Autonomous, self-directed learning
		Work and think productively without supervision.
		Lifelong learning
3	Creativity and Innovation	Research under supervision
		Critical thinking and creativity
		Use of the latest equipment and material
4	Patient care	Competent in providing patient care
		Practice evidence-based dentistry
5	Health promotion	Promote oral health in the community
6	Professionalism	Leadership qualities
		Project management
		Oral and written communication skills
		Digital literacy

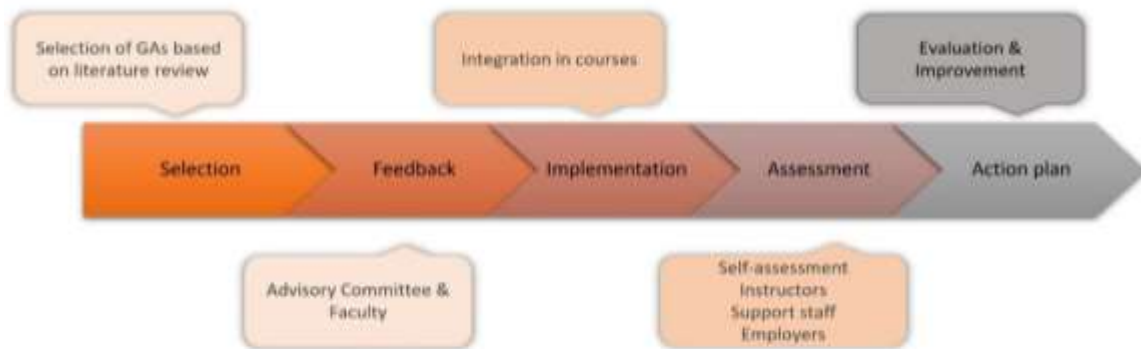


Figure 5.2 KKUCOD Graduate Attributes Road Map