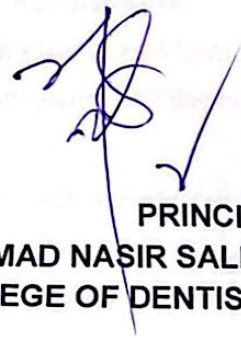


# RATIONALE OF CURRICULUM



RAHBAR COLLEGE  
OF DENTISTRY



PRINCIPAL  
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## Rationale of Curriculum

The rationale for curriculum is to equip future dentists with the knowledge, skills, and attitudes necessary to provide high-quality oral healthcare to patients. Student-centered teaching methodology is employed in the curriculum, to ensure that the graduates are competent, compassionate, and ethical professionals, who can contribute to the overall health and well-being of the society.

- **Globally competent graduates:** The dental curriculum ensures teaching students the necessary clinical and inter personal skills which are at par with the global level, thus ensuring their state-of-the-art expertise with convenient employment opportunities.
- **Student's engagement through integrated teaching:** Students are actively engaged in learning through preclinical sessions, case-based learning, simulations, and clinical exposures, during foundation years. The continuous horizontal and vertical integration allows them to develop their ability to analyze complex information, interpret evidence, and make informed decisions. Spiral curriculum approach enhances the retention of the core principles while learning latest advancements.
- **Patient-centered approach:** Students develop a patient-centered perspective, emphasizing empathy, communication, and collaboration with a team-based learning approach. Graduates are better prepared to provide high-quality patient care due to their strong clinical skills and critical thinking abilities.
- **Real-world experience:** Students gain valuable experience through clinical rotations and simulations, preparing them well, as per the requirements of professional practice. The comprehensive care dentistry clinic provides them with a real-world scenario in a well supervised learning environment, thus ensuring efficient training.
- **Adaptability to changing healthcare landscape through research and innovation:** A student-centered curriculum shall be adapted to address evolving healthcare needs and advancements. Students are encouraged to think creatively and develop innovative solutions to overcome healthcare challenges.
- **Lifelong learning:** A student-centered approach fosters a culture of lifelong learning, essential for healthcare professionals, staying up-to-date with the latest advancements in

dental science and technology. The drive to conduct research and and scientific breakthroughs shall make them leaders in practice.

To achieve these objectives, this dental curriculum includes a combination of classroom instructions, laboratory work, pre-clinical & clinical experience, and research opportunities. The student-centered curriculum provides a robust foundation for developing competent, compassionate, and adaptable healthcare professionals. By empowering students to take ownership of their learning and apply their knowledge to real-world scenarios, this approach equips them well to meet the challenges of an ever-changing healthcare landscape and deliver high-quality patient care.

### **Introduction to Curricular Framework**

This study guide is developed as a resource material for the students and faculty. The study guide development process included representation from teaching faculty and students. The study guide aims to ensure alignment between societal, institutional, patient, and student needs. The curriculum implemented is a hybrid type of curriculum that has both horizontal and vertical integration via logical sequencing.

The curriculum comprises the following two phases:

**PHASE 1 (1 & 2 Year):** Includes teaching of basic sciences namely: Anatomy, Physiology, Biochemistry, Oral biology & Tooth Morphology, Science of Dental Material, Pharmacology, Community & Preventive Dentistry, General Pathology & Microbiology and Behavioural Sciences. It also includes initial training of pre-clinical Prosthodontics and pre-clinical Operative Dentistry, Research.

**PHASE 2 (3<sup>rd</sup> & Final Year):** Includes teaching and training in Periodontology, Oral Pathology, Oral Medicine, General Medicine, General Surgery, Oral and maxillofacial Surgery, Prosthodontics, Orthodontics, Operative Dentistry, Comprehensive Care Dentistry and Research.