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AL-AZHAR DENTAL COLLEGE

(APPROVED BY DENTAL COUNCIL OF INDIA & AFFILIATED TO KUHS)

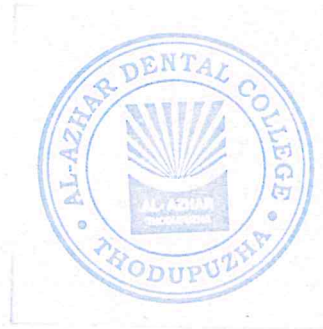
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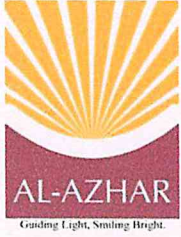
2.6.1 The Institution has stated the learning outcomes (generic and program-specific) and graduate attributes as per the provisions of the Regulatory bodies and the University; which are communicated to the students and teachers through the website and other documents

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Prof. Dr. Harvey Thomas MDS
Principal
Al-Azhar Dental College
Thodupuzha - 685 605



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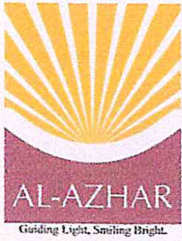
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CERTIFICATE OF THE HEAD OF THE INSTITUTION



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DR. HARVEY THOMAS M.D.S.

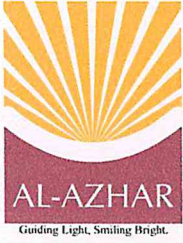
PRINCIPAL

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, our Institution has stated the learning outcomes (generic and program-specific) and graduate attributes as per the provisions of the Regulatory bodies and the University; which are communicated to the students and teachers through the website and other documents

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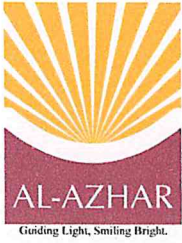
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2.6 .1 Methods of the assessment of learning outcomes and graduate attributes



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2.6.1 Methods of the assessment of learning outcomes and graduate attributes

The students in each year are assessed in a regular manner throughout their course. The Institute lists the competencies expected from the graduate as per the BDS regulations issued by the Dental Council of India (DCI) and Kerala University of Health Sciences (KUHS). The students are explained the competencies to be attained after covering the curriculum.

1. **Summative Assessment:** - University Examination:

It is done by the university through an examination, both theory and practical, conducted at the end of the specified course. Theory paper is for 70 marks, viva voce has 20 marks and practical marks are for 80.

2. **Formative Assessment:** - Internal Assessment:

An assessment conducted by the institution with the purpose of providing feedback for improving learning. It helps the students to identify their strengths and weaknesses and target areas that need work. It helps faculty to recognize where students are struggling and address problems immediately. It is done through a series of tests and examinations conducted periodically. A maximum of 10 marks for theory and 20 marks for practical are added along with the University exam marks for the final result.

- The objective methods adopted by our institution are as follows-

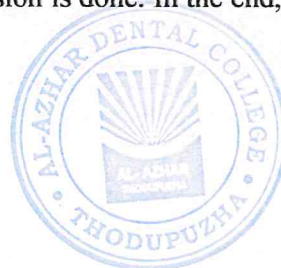
 1. Assignments
 2. Group Discussions
 3. Case presentation
 4. Clinical End posting exams
 5. Model Practical Exams/Mock Exams
 6. Records/ Log Books
 7. Seminar Presentations
 8. Internal Theory Examination
 9. Viva voce

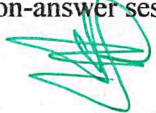
Assignments

Assignments are allotted to each student to guide them in learning the subject. These are related to theory and clinical portions. It is written by referring to standard textbooks and journals and submitted to the faculty for evaluation. Then a viva voce is conducted for each student. It helps the students to understand the topic well.

Group Discussions

Group discussions are carried out on a particular topic. A topic is allotted and the students are given time to prepare. After that detailed discussion is done. In the end, a question-answer session is conducted.




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Case Presentations

Patient cases are allotted to each student. They are given time for case-taking. Students present the case - complaints of the patient, history, medical status of the patient, and relevant clinical findings. Based on which diagnosis and treatment plan for that particular patient is decided. This helps to assess the clinical knowledge of the student

Clinical End posting exams

At the completion of clinical posting, an end-posting exam is conducted for each student to assess their clinical skills.

Model Practical Examination

Mock exams are conducted prior to their university practical examination. It includes both preclinical and clinical exams.

Records/ Log Books

The candidate is given credit for their records based on the scores obtained in the record.

Seminar Presentations

Students are allotted a seminar topic in every subject. It is presented at the time of clinical posting in respective departments. This helps to assess their subject knowledge also their presentation skills.

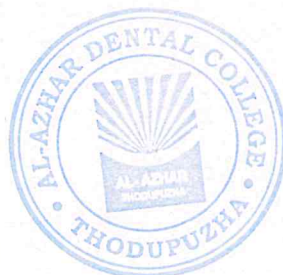
Internal Theory Examination

Each year, three internal examinations are conducted as per the KUHS university regulations, and question papers are prepared in such a way that it covers all the important topics. All students must score minimum 50% marks in internal examinations to be eligible for the university exam.

Viva voice

Viva voice helps to assess the student on an individual basis

THE LEARNING OUTCOME of the program is calculated by summing up the direct assessment values.



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2.6.1 Methods of the assessment of learning outcomes and graduate attributes

Sl no	Learning Outcomes	Graduate attributes	Assessment methods
1	Integration of basic sciences, clinical dentistry, and practical and laboratory skills	Graduate with clinical and technical aspects of dentistry as required for general dental practice	1. Internal assessments 2. University exam
2	A knowledge of normal human structure, development, function, and disease process	Knowledge of normal structure and function leads to an understanding of disease with medical and dental management, prevention, and treatment	1. Internal assessments 2. University exam
3	Sufficient practical skills including patient management and treatment of patients of all ages with special reference to pediatric, geriatric, medically compromised, and disabled patient	Undertake total oral health care of patients of all ages	1. End posting exams 2. University practical exam
4	Commitment towards society as a whole along with knowledge and treatment skills gained	Being a member of the health care team delivering oral health care, particularly among the rural population	1. Random check by faculty 2. Patient feedback
5	Motivated for interdisciplinary research activities and emphasis on evidence-based dentistry	Motivated for scientific advancement by continuous research activity	1. Evaluation forms 2. Awards received
6	Learns significance of infection and cross-infection control in dental practice	Its implications to be followed in dental practice	1. End posting exam 2. University practical exams
7	To learn the importance of various dental tissues in forensic sciences	Helps to pursue forensic sciences as a career as well as maintenance of records which could provide useful means for forensic investigations	1. Internal exams 2. University exams
8	Administer all forms of Local anesthesia, knowledge of various maxillofacial problems	Skills developed for general dental practice for extraction of teeth, minor oral surgical procedures	1. Internal exams 2. University exams

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	like injuries, infections and deformities of the jaw		
9	Restoration of various kinds and endodontic procedures, removable and fixed prosthodontics	Competent enough to carry out such procedures with grade skills in general practice	1. Practical sessional 2. University practical exams
10	Appreciate the role of dentofacial growth and development of malocclusion	Simple appliance therapy for patients in the field of orthodontics	1. Sessional exams 2. University theory exam 3. University practical exam
11	Train in various investigation procedures like radiological techniques, biopsy, smear, etc and their interpretations	Awareness of the procedures and also about the hazards in radiation proper protection measures for patient, operator, and staff	1. Evaluation forms
12	Legal systems involved in practice of dentistry and patient rights	Dental jurisprudence and legal and ethical obligations for dental practitioners	1. Feedback forms
13	Should be aware of his/her limitations	The knowledge of when to refer for specialty related dentist	1. Feedback forms 2. Evaluation forms



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Program outcome calculation

1. First the percentage of class average from internal assessment (CIE) and final exam marks (SEE) are calculated
2. Based on the percentage obtained a class level is fixed for that batch as mentioned below
 - Level 1 = 30% students scored more than class average
 - Level 2 = 40% students scored more than class average
 - Level 3 = 50% students scored more than class average.
3. Our college level was set as LEVEL 2
4. Overall course outcome (CO) was calculated using the formula
 $0.1 \times \text{average CIE} + 0.9 \times \text{average SEE}$
5. Graduate attribute articulation matrix is calculated based on the graduate attributes from the curriculum.
6. Rule of third is applied – $1/3$ (PO mapping) x CO value
7. Average of the PO values are calculated
7. Attainment level is fixed
 - Level 1 – 0.5 to 1
 - Level 2 – 1.1 to 1.5
 - Level 3 – 1.6 to 2
 - Level 4 – 2.1 to 2.5
8. Our college level was set at LEVEL 3
9. Percentage of PO value is calculated
10. If it falls within Level 3 – 1.6 to 2 then our college has attained PO value

Our PO value was 2.17 so we have achieved our attainment level



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