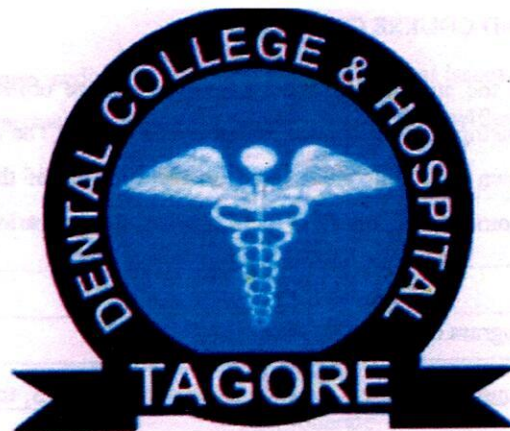


**TAGORE DENTAL COLLEGE AND  
HOSPITAL  
PROGRAM OUTCOME AND  
COURSE OUTCOME FOR  
2023-2024**



**AFFILIATED TO THE TAMILNADU  
DR MGR MEDICAL UNIVERSITY**

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**TAGORE DENTAL COLLEGE AND HOSPITAL**  
**ORAL MEDICINE AND RADIOLOGY**

**COURSE OUTCOME EVALUATION**

The course outcome in Oral Medicine and Radiology will be evaluated through the following questionnaire.

The questionnaire will be applicable to every student to know their understanding, knowledge, ability to perform individually and ability to participate in a team through various teaching methods and the following assessment tools.

CODE	SKILL	ASSESSMENT
On successful completion of the course, the student will be able to		
CO1	Able to interpret diagnostic information from case histories, extra and intra oral examination.	Chair side discussion Viva voce
CO2	Identify the oral manifestations of systemic diseases	Theory exams Assignments
CO3	Formulate treatment strategies of common disorders of oral and para-oral structures	Clinical assessment of case history taking OSCE
CO4	Restate the observed information and findings to explain the disease process to the patient effectively	Role play

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<b>CO5</b>	Ability to suggest dental management for medically compromised patients	Chair side discussion
<b>CO6</b>	Have a knowledge of the basics of forensic odontology	Terminal exams Group discussion
<b>CO7</b>	To understand the basics of radiation physics, effects of radiation on living tissues and proper radiation safety measures	MCQs Viva voce
<b>CO8</b>	Perform various intra-oral radiographic techniques to produce quality intra - oral radiographs	DOPS Role play
<b>CO9</b>	Identify the normal anatomical radiographic landmarks and interpret pathologies on an intra-oral radiograph	X -ray test Group discussion
<b>CO10</b>	Identify and understand the indications of various extra - oral radiographs in different maxillofacial pathologies	MCQs Viva voce
<b>CO11</b>	Have knowledge of various digital and advances in maxillofacial imaging	Terminal exams MCQs

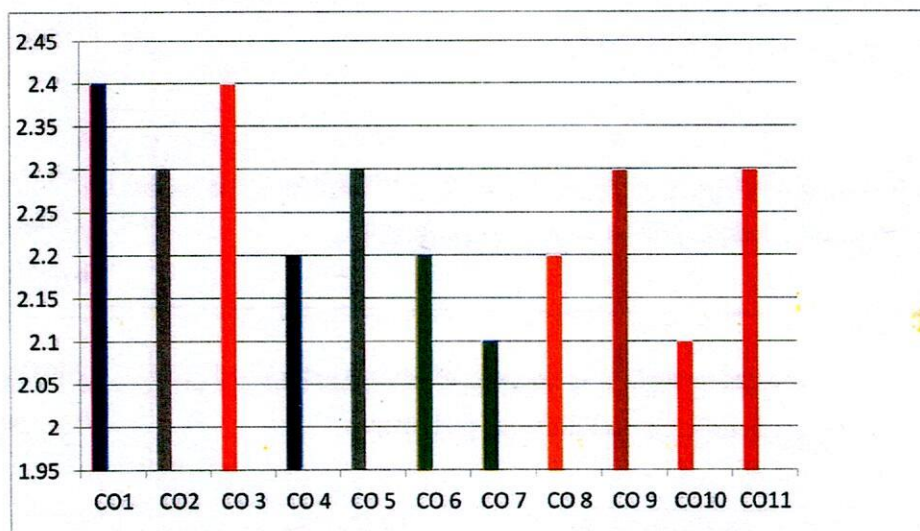
### **ANALYSIS OF THE REPORT**

The course outcome of the subject was assessed in various dimensions namely, able to interpret diagnostic information from case histories, extra and intra oral examination, Identify the oral manifestations of systemic diseases, Formulate treatment strategies of common disorders of

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oral and para-oral structures, Restate the observed information and findings to explain the disease process to the patient effectively, Ability to suggest dental management for medically compromised patients, a knowledge of the basics of forensic odontology, To understand the basics of radiation physics, effects of radiation on living tissues and proper radiation safety measures, Perform various intra-oral radiographic techniques to produce quality intra - oral radiographs, Identify the normal anatomical radiographic landmarks and interpret pathologies on an intra-oral radiograph, Identify and understand the indications of various extra - oral radiographs in different maxillofacial pathologies, Have knowledge of various digital and advances in maxillofacial imaging. The outcome was assessed based on different domains. The average values of the domains are ranged around 2.3, procuring an overall rating of substantial. This data reveals that learning outcomes are holistic and delivery of curriculum is adequate. The chart below depicts the various domains assessed.



### COURSE OUTCOME

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2023-2024

AGGREGATE POINTS	GRADE	NUMBER OF STUDENTS	PERCENTAGE
0	POOR	NIL	0%
0-1	MODERATE	5	5.3%
1.1-2.0	GOOD	11	14.2%
2.1-3.0	EXCELLENT	40	80.3%

**DEPARTMENT COURSE OUTCOME**



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## ORAL AND MAXILLOFACIAL

### SURGERY COURSE OUTCOME EVALUATION

The course outcome in Oral and Maxillofacial Surgery will be evaluated through the following questionnaire.

The questionnaire will be applicable to every student to know their understanding, knowledge, ability to perform individually and ability to participate in a team through various teaching methods and the following assessment tools.

CODE	NAME OF THE SKILL	ASSESSMENT TOOL
CO1	To apply the knowledge gained from basic science and clinical subjects to perform clinical examination, arrive at a final diagnosis; plan the treatment and management of oral and maxillofacial problems.	<ul style="list-style-type: none"><li>• Theory classes</li><li>• Periodic assessments,</li><li>• Terminal exams marks</li><li>• Viva-voce</li><li>• Small group discussions,</li><li>• Department Outpatient management.</li></ul>
CO2	Competently diagnose and treat medically compromised patients with minor oral surgical problems and manage medical emergencies if any during the procedures.	<ul style="list-style-type: none"><li>• Theory classes,</li><li>• Skills lab</li><li>• Basic life support</li><li>• Small group discussions</li></ul>
CO3	Perform competently extraction of tooth/teeth under local/general anesthesia with prescription of medications, post extraction instructions and proper follow-up care.	<ul style="list-style-type: none"><li>• Terminal exams marks</li><li>• Viva-voce</li><li>• Small group discussions</li><li>• Flash- cards.</li></ul>
CO4	Management of intra/post-operative complications with referral to an Oral and Maxillofacial Surgeon as required.	<ul style="list-style-type: none"><li>• Skills lab</li><li>• Small group discussion</li><li>• Direct Observation of Procedure</li></ul>
CO5	To develop communication skills and compassion towards the patient for establishing better patient-doctor relationship.	<ul style="list-style-type: none"><li>• Role play session. (student-staff)</li></ul>
CO6	Ability to carry out simple minor oral surgical procedures such as alveoloplasty, frenectomy, incision and drainage, dental wiring and biopsy.	<ul style="list-style-type: none"><li>• Outpatient training</li><li>• Preclinical activity</li><li>• Skills lab attendance.</li></ul>
CO7	To keep abreast with the recent advances in the specialty of Oral and Maxillofacial Surgery such as dental implants, laser and cryotherapy.	<ul style="list-style-type: none"><li>• Flash -cards</li><li>• Innovative teaching</li><li>• Department CDE Programme</li></ul>

  
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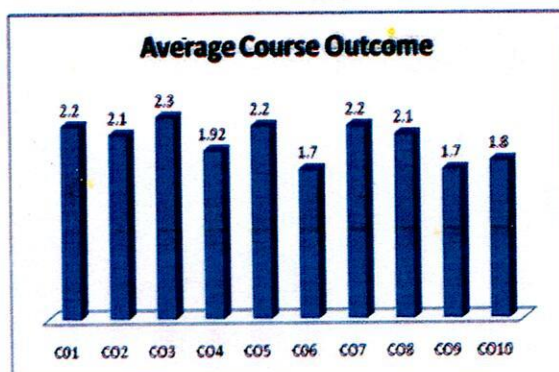


CO8	To Understand the management of major oral surgical problems and principles involved in the management of hospitalized patients.	<ul style="list-style-type: none"> <li>• Major OT assistance</li> <li>• casualty posting attendance</li> </ul>
CO9	Ability to understand and effectively communicate with peers and professionals.	<ul style="list-style-type: none"> <li>• Role Play</li> <li>• Peer Assisted Learning</li> <li>• Journal Club Presentation</li> <li>• Seminar Presentation</li> </ul>
CO10	Ability to gain knowledge and show interest in research activities.	<ul style="list-style-type: none"> <li>• Student research activity</li> <li>• Model preparation / student projects</li> </ul>

#### Analysis of the report:

The course outcome of the subject was assessed in various dimensions namely diagnosis, clinical application of basic knowledge in diagnosis of maxillofacial problems, manage medical emergencies, competently perform extraction of teeth, to carry out simple minor oral surgical procedures such as alveoloplasty, frenectomy, incision and drainage, dental wiring, biopsy. Management of major oral surgical problems and principles involved in the management of hospitalized patients. Their ability to understand and effectively communicate with peers and professionals and ability to gain knowledge and show interest in research activities. The outcome was assessed based on 10 different domains. The average values of the domains ranged around 1.7 to 2.3, procuring an overall rating of moderate to good. This data reveals the learning outcomes are holistic and delivery of curriculum is adequate. The teaching methods may be further emphasized to target the ceiling score of 3.

The chart below shows the values of the various domains assessed.



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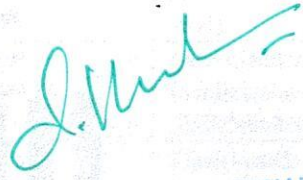


## ORAL SURGERY 2023-2024

### CALCULATION CRITERIA:

- NUMBER OF POINTS PER COURSE OUTCOME QUESTION: 0-3
- AGGREGATE = TOTAL / 10

CRITERIA	POINTS
STUDENTS WITH EXCELLENT PERFORMANCE IN THE SPECIFIED SECTION	3
STUDENTS WITH GOOD PERFORMANCE IN THE SPECIFIED SECTION	2
STUDENTS WITH MODERATE PERFORMANCE IN THE SPECIFIED SECTION	1
STUDENTS WITH POOR PERFORMANCE IN THE SPECIFIED SECTION	0

  
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## DEPARTMENT OF PROSTHODONTICS AND CROWN & BRIDGE:

The following are the questions that reveal the objectives of the course outcome of the subject of Prosthodontics and Crown & Bridge. It is essential that every student should possess, acquire and develop the knowledge, skill and attitude in the areas that will be reflected by the questions given hereunder. [cognitive, psychomotor and affective domain]. Each area of requirements will be evaluated using specific assessment tools.

The calculated values will show the

1. The general performance of the department in achieving the expected outcome of the course
2. Area in which the expected outcome has not been achieved to satisfaction and needs improvement. Methods can be planned to improve the area and periodically assessed.

CO1 Apply basic medical and dental sciences to the practice of clinical prosthodontics

Based on University exam monthly test

CO 2 Examine the patients requiring Prosthodontics therapy, investigate the patient systemically, analyse the investigation results, radiography, diagnose the ailment, plan a treatment, communicate it with the patient and execute it. Identify cases, which are outside the area of his specialty/ competence and refer them to appropriate specialists.

Based on evaluation of clinical case presentation

CO3 Perform clinical and laboratory procedure with an understanding of biomaterials and oral conditions related to the prosthesis and have competent dexterity and skill for performing clinical and laboratory procedures in fixed and removable prosthodontics.

Based on evaluation based on clinical and lab work

CO 4 Restore lost functions of Stomatognathic system namely mastication, speech, appearance and psychological comforts, by understanding prosthodontic principles and provide a quality health care to the patient.

Based on chair side evaluation

CO 5 Acquire essential knowledge of personal hygiene, infection control, prevention of cross infection and safe disposal of waste, keeping in view the risks of transmission of Hepatitis, HIV and COVID.

Evaluation based on chair side observation and sterilization record

  
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CO 6 Knowledge on ethics, respect patient's rights and privileges including patients right to information, decision making and right to seek the second opinion.

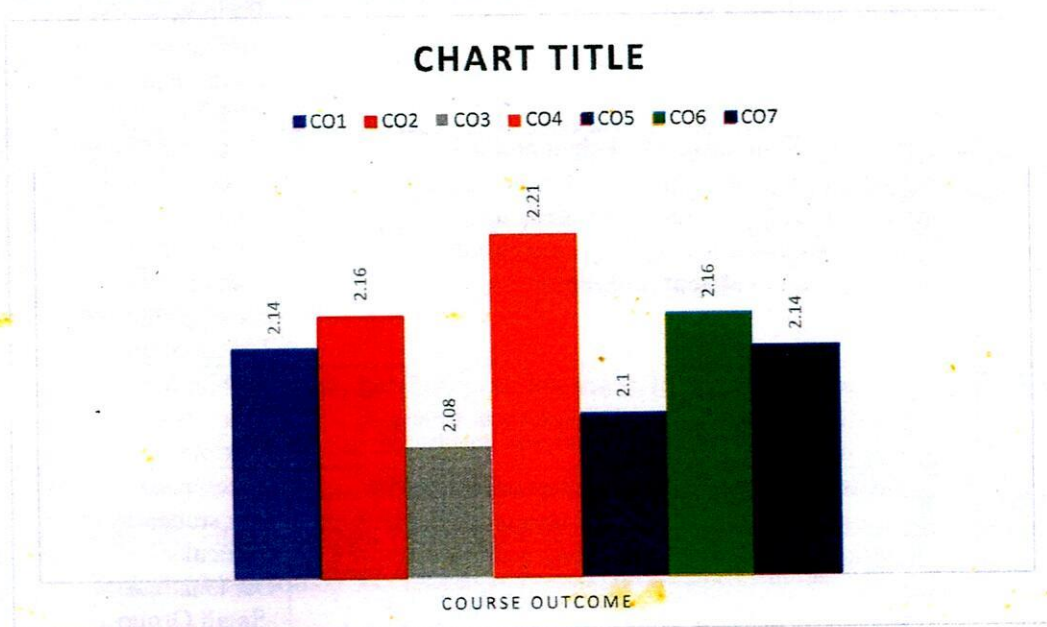
Evaluation based on viva and patient interaction

CO 7 Communicate in simple understandable language with the patient and educate the patient on consequences of tooth loss, importance of replacement of teeth and proper maintenance care instructions. . He should be able to guide and counsel the patient with regard to various treatment modalities available. Develop the ability to communicate with professional colleagues and render the best possible treatment  
Based on Patient interaction

Based on viva and patient interaction

Analysis of the report:

The course outcome of the subject was assessed in various dimensions namely diagnosis, clinical application of basic knowledge of anatomy and pathology in the sphere of prosthetic treatment planning, ability to utilize diagnostic aids, effective patient communication, aetiopathogenesis of diseases, and knowledge about referral. The outcome was assess based on 7 different domains. The average values of the domains ranged around 2.0 to 2.2, procuring an overall rating of substantial. This data reveals the learning outcomes are holistic and delivery of curriculum is adequate. The teaching methods may be further emphasized to target the ceiling score of 3. The chart below shows the values of the various domains assessed.



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## DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

The following are the objectives of the course outcome of Pediatric and Preventive Dentistry. It is essential that every student should possess, acquire and develop the knowledge, skill and attitude [cognitive psychomotor and affective domain]. This will be evaluated by the questions given below using specific assessment tools.

The calculated values will show the

1. The general performance of the department in achieving the expected outcome of the course.
2. Area in which the expected outcome has not been achieved to satisfaction and needs improvement.

CODE	NAME OF THE SKILL	ASSESSMENT TOOL
COD1	Demonstrate the principles of Pediatric and Preventive dentistry right from birth to adolescence, including those with special health care needs.	-Theory classes on various topics -Periodic assessment through written examinations and MCQ.
COD2	Elicit detailed case history and methodological; examination of the child patient, perform essential diagnostic procedures and interpret them, arrive at a reasonable diagnosis and formulate comprehensive treatment plan and treat appropriately.	- OSPE (Detailed Case history including History, Clinical examination, investigations & Treatment planning)
COD3	Relate the current concepts of caries and its underlying causative factors in a child, and to implement timely effective management strategies.	-Microteaching -Peer Assisted Learning
COD4	Master the use of various restorative materials used in children, including semi-permanent, stainless steel crowns ,restorations, and esthetic crowns along with recent advances	-Preclinical (IIIrd year students) & Clinical – Demonstration -Small Group Learning -Case Based Learning
COD5	Diagnose, prevent and intercept developing dental health problems in the ,including malocclusions	-OSPE -OSCE -Mind Mapping

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		- Viva Voce
COD6	Understand basics of growth and development ,psychology and behavior of children and display the strategies for the management in the dental clinic	-Micro Teaching -OSPE -OSCE
COD7	Identify morphology of primary and permanent root canal, pulpal and periapical diseases and perform pulp therapy techniques	-OSPE -OSCE - Problem Based Learning
COD8	Master exodontias and LA techniques for the children	-Clinical Demonstration -Case Based Learning
COD9	Describe salient features of gingival and periodontium in primary dentition and summarize management of common gingival and periodontal diseases in the children	-Clinical Demonstration -Case Based Learning -Viva Voce
COD10	Demonstrate the management of the disabled children effectively and efficiently, tailored to the need of individual requirement and conditions.	-Problem Based Learning -Case Based Learning
COD11	Understand the etiology, prevention and management of common dental injuries in children	-Mind Mapping -Problem Based Learning -Case Based Learning - Viva Voce
COD12	Develop and deliver oral health education and participate in school dental health program	-Screening & Treatment school camps.

Methods can be planned and modified through periodic assessment.

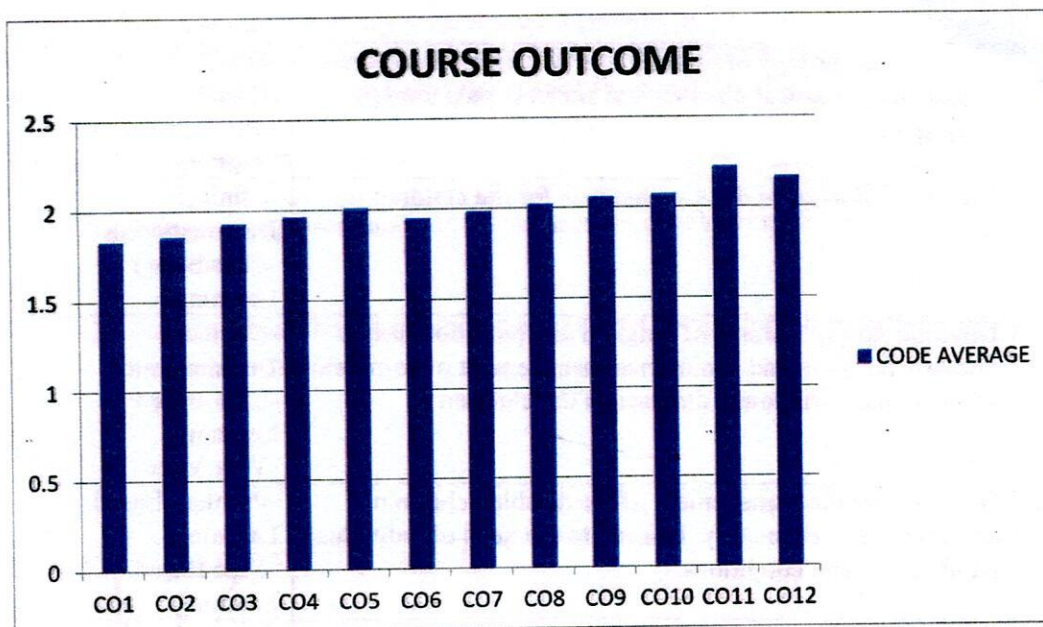
#### Analysis of the report:

The course outcome of the subject was assessed in various dimensions namely diagnosis, clinical application of basic knowledge for treatment planning in pediatric dentistry, ability to utilize diagnostic aids, effective patient communication, treatment for children with special health care needs, dental health education for children and recent advancements in this field . The outcome was assessed based on 12 different domains. The average values of the domains ranged around 1.8-2.2, procuring an overall rating of moderate and this data reveals that the learning outcomes of the department are moderate. It indicates the necessity to increase the periodic assessment of students through tests, MCQS, quizzes etc. Also, the students will be trained more on the clinical aspect, pertaining to history taking, examination and diagnosis to overcome the deficiency noted in their

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performance. Other innovative teaching methods may also be further emphasized to target the ceiling score of 3. The chart below shows the values of the various domains assessed.



#### DEPARTMENT OF PUBLIC HEALTH DENTISTRY:

The following are the questions that reveal the objectives of the course outcome of the subject of Public Health Dentistry. It is essential that every student should possess, acquire and develop the knowledge, skill and attitude in the areas that will be reflected by the questions given hereunder. [cognitive, psychomotor and affective domain]. Each area of requirements will be evaluated using specific assessment tools.

The calculated values will show the

The general performance of the department in achieving the expected outcome of the course

Area in which the expected outcome has not been achieved to satisfaction and needs improvement. Methods can be planned to improve the area and periodically assessed.

1. CO1 Knowledge on community health problem

Based on terminal paper / test

2. CO2 Promotion of patient's oral health

Based on Oral health education

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3. CO3 Ability to conduct clinical examination including all diagnostic procedure to arrive diagnosis and treatment planning

Based on Case history taking

4. CO4 Interest to update on advancement in preventive dentistry

Based on No. of. Workshop / CDE program attended

5. CO5 Attitude to widen horizon on research methodology

Evaluation based on No. of. Publication / research involvement data collection

6. CO6 Application of biostatistics.

Evaluation based on Test paper and viva

7. CO7 To quantify oral health burden

Based on taking indices

8. CO8 Application of oral health promotions towards patient care

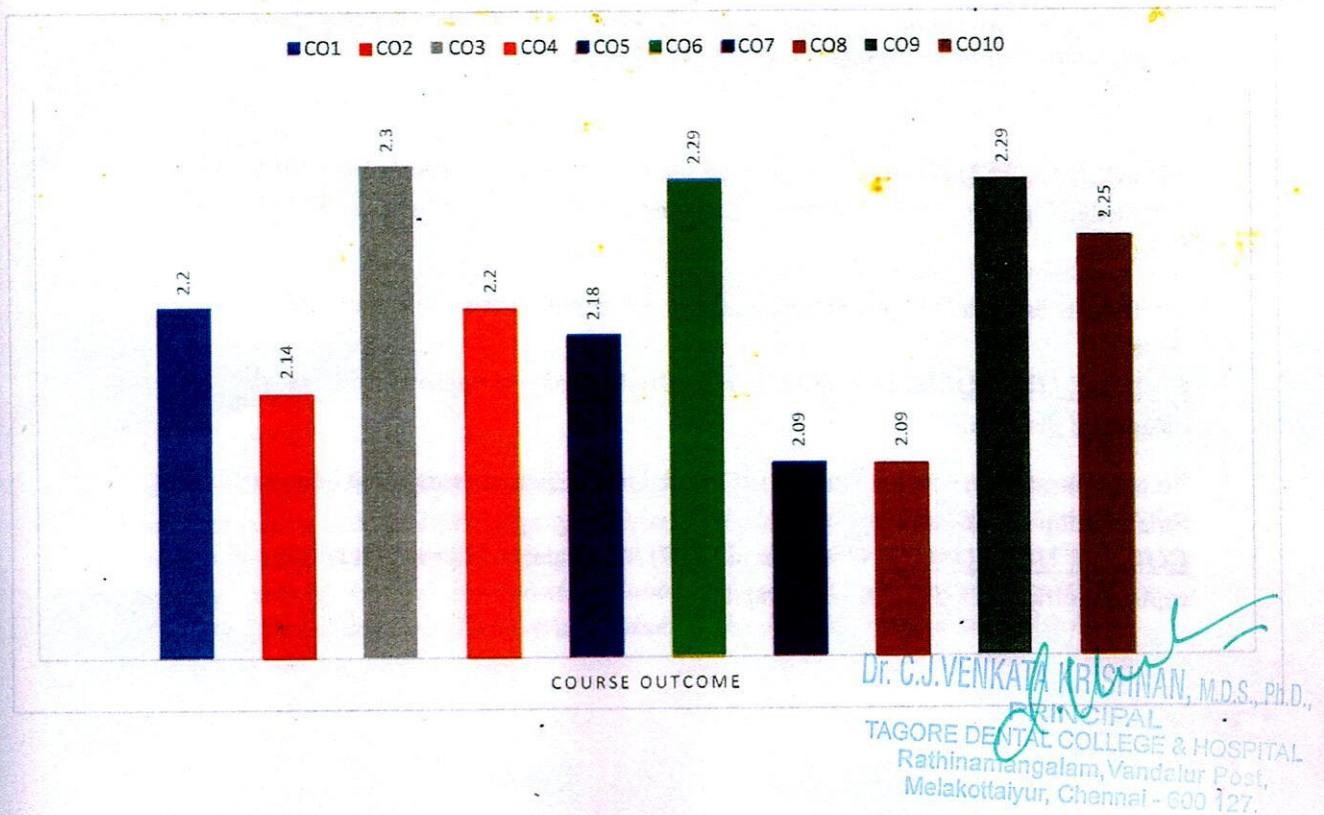
Based on Health educated aids

9. CO9 Interest towards competition

Participation in various national and international conference and participation in CSM

10. CO10 Applications of epidemiology

Based on undertaking research study





### **Analysis of the report:**

The course outcome of the subject was assessed in various dimensions namely diagnosis, clinical application of basic knowledge of anatomy and pathology in the sphere of treatment planning, ability to utilize diagnostic aids, effective patient communication, aetiopathogenesis of diseases, and knowledge about referral. The outcome was assessed based on 10 different domains. The average values of the domains ranged around 2, procuring an overall rating of moderate to substantial. This data reveals the learning outcomes are holistic and delivery of curriculum is adequate. The teaching methods may be further emphasized to target the ceiling score of 3. The chart above shows the values of the various domains assessed.

### **DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**

*The following are the questions that reveal the objectives of the course outcome of the subject of Conservative Dentistry & Endodontics. It is essential that every student should possess, acquire and develop the knowledge, skill and attitude in the areas that will be reflected by the questions given hereunder. [Cognitive, psychomotor and affective domain]. Each area of requirements will be evaluated using specific assessment tools.*

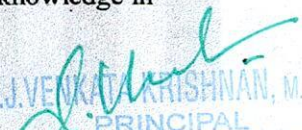
**COURSE OUTCOME 1** – Overall score (2.26) Substantial; students have sufficient knowledge regarding diagnosis, prevention and treatment of anomalies and diseases of the teeth.

Continuous assessment with Theory classes, Terminal exams, Seminars to be done.

**COURSE OUTCOME 2** - Overall score (1.9) Moderate; to improve students' skill in diagnostic procedures.

To concentrate more on conducting MCQs & Quiz, Clinical assessment of and recording, Small Group Discussions.

**COURSE OUTCOME 3** - Overall score (1.9) Moderate; to improve knowledge in cephalometric and extra oral radiographs.

  
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To conduct more Small Group Discussions & Grading, Clinical Assessment

**COURSE OUTCOME 4-** Overall score (2.05) Moderate; to improve knowledge on growth and development of an individual.

To concentrate more in Theory classes, Terminal exams, Quiz

**COURSE OUTCOME 5-** Overall score (2.3) Substantial; students have adequate communication skills with the patient and were able to motivate them while undergoing treatment.

Continuous assessment by Clinical assessment of case sheet recording, Role Play

**COURSE OUTCOME 6-** Overall score (2.2) Substantial; have adequate knowledge on preventive and interceptive procedures.

Continuous assessment by OSPE, Role Play, Group discussion

**COURSE OUTCOME 7-** Overall score (2.07) Substantial; to improve knowledge on Interdisciplinary treatment planning.

Involve students more in assisting in clinical cases and case discussions and involve more in Interdisciplinary treatments and co-ordinating with other departments.

**COURSE OUTCOME 8-** Overall score (2.1) Substantial; adequate knowledge on fabrication and activation of removable appliance.

To continue in assisting cases and fabrication and activation of removable appliance.

**COURSE OUTCOME 9-** Overall score (1.98) Moderate; to improve knowledge about fixed appliance and assist in fixed appliance cases.

To involve students more in fixed appliance cases assisting the case and understanding the basic bio-mechanics.

**COURSE OUTCOME 10-** Overall score (2) Substantial; to update knowledge on recent advances

Conduct more seminars and discussions to make them gain knowledge about the recent advances.

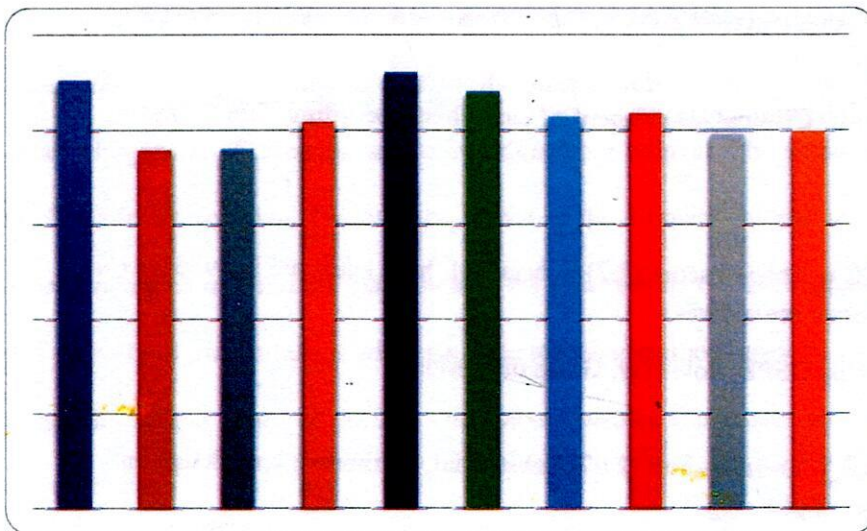
#### ***Analysis of the report:***

*The course outcome of the subject was assessed in various dimensions namely diagnosis, clinical application of basic knowledge of anatomy and pathology in the sphere of restorative treatment planning, ability to utilize diagnostic aids, effective patient communication, aetiopathogenesis of diseases, and knowledge about referral. The outcome was assessed based on 10 different domains. The average values of the domains ranged around 2.12.*

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*procuring an overall rating of substantial. This data reveals the learning outcomes are holistic and delivery of curriculum is adequate. The teaching methods may be further emphasized to target the ceiling score of 3. The chart below shows the values of the various domains assessed.*



## **DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS**

The following are the questions that reveal the objectives of the course outcome of the subject of Conservative Dentistry & Endodontics. It is essential that every student should possess, acquire and develop the knowledge, skill and attitude in the areas that will be reflected by the questions given hereunder. [cognitive, psychomotor and affective domain]. Each area of requirements will be evaluated using specific assessment tools.

The calculated values will show the

1. The general performance of the department in achieving the expected outcome of the course
2. Area in which the expected outcome has not been achieved to satisfaction and needs improvement. Methods can be planned to improve the area and periodically assessed.

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CQ1. Possess sufficient knowledge regarding diagnosis, prevention and treatment of anomalies and diseases of the teeth related to conservative dentistry and endodontics.

*Continuous assessment with Written examinations and viva voce, theory classes pertaining to subject, utilization of assisted learning methods like small group discussions, jigsaw puzzles, mind and concept mapping.*

CQ2. Acquire necessary skill to perform diagnostic procedures, preventive and restorative treatment of anomalies and diseases of the teeth related to conservative dentistry and endodontics.

*Practical examinations in mannequin and patient.*

CQ3. Develop knowledge, artistry and attitude to carry out contemporary diagnostic procedures, preventive care and basic aesthetic treatment of anomalies and diseases of the teeth related to conservative dentistry and endodontics without bias.

*DOPS, Case quota completion as per the guidelines framed by the DCI and the Tamilnadu Dr MGR Medical University and Simulation based learning, periodic guest lectures on relevant topics.*

CQ4. Apply basic knowledge of anatomy, physiology and biomechanical properties of teeth, biomaterials and associated tissues for restorative treatment and endodontics.

*Viva Voce, pre-clinical training in IIBDS followed by Clinical postings in third year and final year BDS.*

CQ5. Acquire sufficient proficiency in diagnosis of developing lesion using advanced diagnostic aids like pulp tester and digital devices and institute preventive measures.

*Flash cards, quizlet, peer assisted learning to train undergraduates to perform basic diagnostic tests like thermal and electric pulp testing, training to take digital radiographs.*

CQ6. Acquire basic knowledge of etiology, prevention, interception and management of caries and non-carious lesions of teeth.

*Theory classes integrated with participatory learning, problem based learning and experiential learning. Assessment of the learning process using OSCE and OSPE.*

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**CQ7. Communicate effectively and sensitively to the patients and public regarding retain in g their teeth for their lifetime.**

*Training to perform outpatient diagnosis and disposal and students made to participate in camps as a part of their routine curriculum (Extension activities). Students trained to educate patients using models and videos.*

**CQ8. Possess basic knowledge of pulpal and periapical diseases and their treatment modalities.**

*Problem based learning and spotters*

**CQ9. Acquires sufficient skill to perform basic endodontic procedures.**

*Pre-clinical training to perform all basic endodontic procedures*

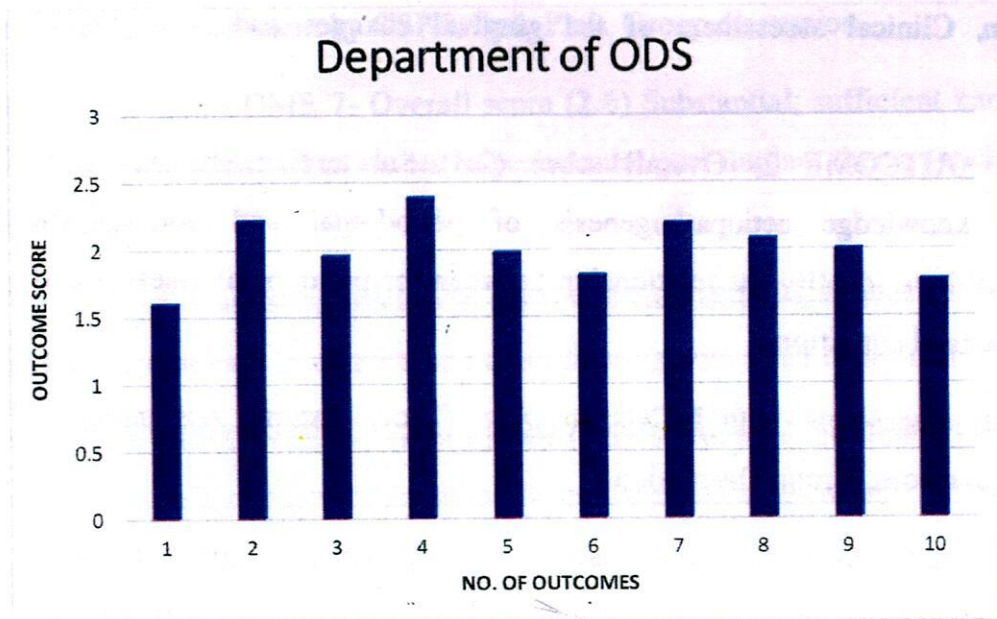
**CQ10. Identify difficulty levels of endodontic treatment requiring specialist care**  
*Training to record proper medical case history and assess difficulty level of handling cases. Interns are posted under PGs to assist them.*

**Analysis of the report:**

The course outcome of the subject was assessed in various dimensions namely diagnosis, clinical application of basic knowledge of anatomy and pathology in the sphere of restorative treatment planning, ability to utilize diagnostic aids, effective patient communication, etio pathogenesis of diseases, and knowledge about referral. The outcome was assessed based on 10 different domains. The average values of the domains ranged around 1.61 to 2.4, procuring an overall rating of substantial. This data reveals the learning outcomes are holistic and delivery of curriculum is adequate. The teaching methods may be further emphasized to target the ceiling score of 3. The chart below shows the values of the various domains assessed.

  
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## DEPARTMENT OF PERIODONTICS

The following are the questions that reveal the objectives of the course outcome of the subject of Conservative Dentistry & Endodontics. It is essential that every student should possess, acquire and develop the knowledge, skill and attitude in the areas that will be reflected by the questions given hereunder. [Cognitive, psychomotor and affective domain]. Each area of requirements will be evaluated using specific assessment tools.

**COURSE OUTCOME 1** – Overall score (2.4) Substantial; students have sufficient knowledge to differentiate between normal and abnormal periodontal conditions

Continuous assessment with theory classes on normal and diseased gingival and periodontal structures, MCQs and Terminal exams, Assignment / Google

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Classroom, Clinical assessment of the gingival changes and structures in patients.

**COURSE OUTCOME 2-** Overall score (2.4) Substantial; students have sufficient knowledge aetiopathogenesis of periodontal and peri-implant diseases. Able to identify the relationship between the periodontal diseases and various medical conditions.

Continuous assessment with MCQs & Quiz Theory Exams, Assignment / Google Classroom, Group Discussions.

**COURSE OUTCOME 3-** Overall score (2.6) Substantial; students have sufficient knowledge Diagnose and can provide appropriate treatment for the condition.

Continuous assessment with OSPE, Theory exams, Assignment / Google Classroom, Model assessment, Clinical Assessment and grading.

**COURSE OUTCOME 4-** Overall score (2.5) Substantial; sufficient knowledge on ability to apply the appropriate diagnostic technique to diagnose periodontal diseases.

To continue in clinical case assessment, assisting, case recording.

**COURSE OUTCOME 5-** Overall score (2.5) Substantial; sufficient knowledge on how to Identify, plan and execute non surgical and surgical periodontal treatment procedures.

To continue Clinical assessment of case sheet recording, Clinical cases Grading

**COURSE OUTCOME 6-** Overall score (2.5) Substantial; sufficient knowledge to communicate and demonstrate appropriate measures in the prevention of periodontal diseases.

  
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Continuous assessment by OSPE, Role Play, Group discussion

**COURSE OUTCOME 7-** Overall score (2.6) Substantial; sufficient knowledge on inter-disciplinary approaches in periodontal/peri-implant therapy and referral to the specialist.

To continue in assisting in clinical cases and case discussions and involve more in Interdisciplinary treatments and co-ordinating with other departments.

**COURSE OUTCOME 8-** Overall score (2.5) Substantial; sufficient knowledge on how to assess and evaluate the performed treatment outcomes.

To continue in assisting in cases.

**COURSE OUTCOME 9-** Overall score (2.6) Substantial; sufficient knowledge on how to deliver oral health care to patients from different backgrounds, stages of life and in various settings.

Continue to involve students in attending camps and improve patient education and motivation skills.

**COURSE OUTCOME 10-** Overall score (2.8) Substantial; sufficient knowledge on how to implement an effective infection control and environmental safe.

To continue in educating sterilisation protocol and discussions.

Analysis of the report:

The course outcome of the subject was assessed in various dimensions namely diagnosis, clinical application of basic knowledge of anatomy and pathology of the periodontium, ability to diagnose the underlying cause of the diseases, ability to utilize various diagnostic aids, various methods of treatment planning and treatment procedures, effective patient communication, , and knowledge about referral. The outcome was assessed based on 10 different domains. The average values of the domains ranged around 2.4-2.6, procuring an overall

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rating of substantial. This data reveals the learning outcomes and delivery of curriculum is adequate. The teaching methods may be further emphasized to target score of 3. The chart below shows the values of the various domains assessed.

#### DEPARTMENT OF ORAL PATHOLOGY

The following are the questions that reveal the objectives of the course outcome of the subject of Oral and Maxillofacial Pathology. It is essential that every student should possess, acquire and develop the knowledge, skill and attitude in the areas that will be reflected by the questions given hereunder [Cognitive, psychomotor and affective domain]. Each area of requirements will be evaluated using specific assessment tools.

The calculated values will show the

1. The general performance of the department in achieving the expected outcome of the course
2. Area in which the expected outcome has not been achieved to satisfaction and needs improvement. Methods can be planned to improve the area and periodically assessed.

CO1 Describe the pathological processes, clinical manifestations, radiographic features, biochemical features, differential diagnosis and treatment of diseases affecting the hard and soft tissues of the oral cavity.

Based on Terminal examination

CO 2 Describe the etiology, etiopathogenesis, clinical features, histopathological features, lab investigation, special investigation of benign and malignant tumours involving oral and paraoral structures.

Based on Terminal examination

CO3 Apply the basic concepts and methods of forensic odontology in comparative human identification.

Based on evaluation Terminal examination

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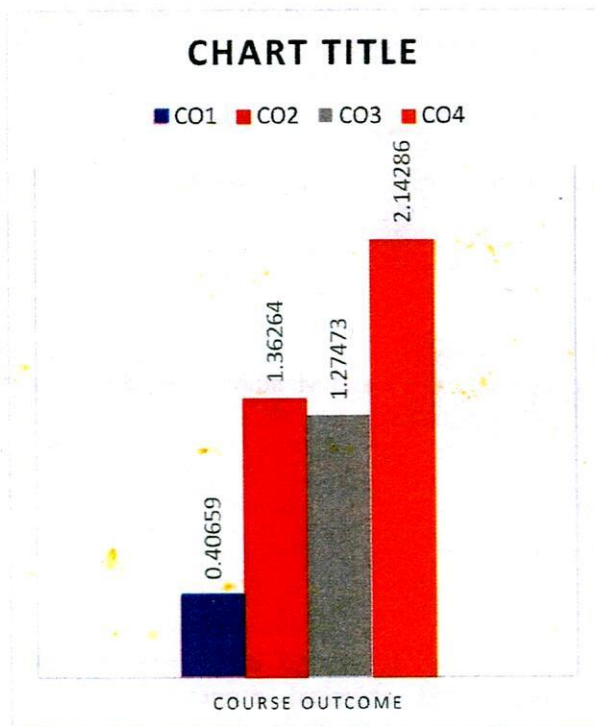


**CO 4 Illustrate the microscopic features of common lesions affecting the oral tissues by evaluating the gross features and microscopic/projection slides of surgical specimens.**

**Based on University Practical Examination**

**Analysis of the report:**

The course outcome of the subject was assessed in various dimensions namely etiology, etiopathogenesis, clinical features, histopathological features, lab investigation, special investigation of benign and malignant tumours involving oral and paraoral structures, diseases affecting the hard and soft tissues of the oral cavity and forensic odontology. The outcome was assessed based on 4 different domains. The average values of the domains ranged around 0.4 to 2.1, procuring an overall rating of substantial. This data reveals the learning outcomes are holistic and delivery of curriculum is adequate. The teaching methods may be further emphasized to target the ceiling score of 3. The chart below shows the values of the various domains assessed.



**DEPARTMENT OF ORALHISTOLOGY**

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The following are the questions that reveal the objectives of the course outcome of the subject of Dental Anatomy, embryology and Oral Histology. It is essential that every student should possess, acquire and develop the knowledge, skill and attitude in the areas that will be reflected by the questions given hereunder [Cognitive, psychomotor and affective domain]. Each area of requirements will be evaluated using specific assessment tools.

The calculated values will show the

1. The general performance of the department in achieving the expected outcome of the course
2. Area in which the expected outcome has not been achieved to satisfaction and needs improvement. Methods can be planned to improve the area and periodically assessed.

CO1 Relate the morphological features of primary and permanent teeth, its chronology, sequence of eruption, occlusion and variations in morphology

Based on Terminal examination

CO 2 Illustrate the development, Physical and chemical properties, clinical appearance, histological features, and clinical correlation of Orofacial tissues.

Based on Terminal examination

CO3 Describe the laboratory techniques involved in routine soft tissue and hard tissue processes.


Based on evaluation Terminal examination

CO 4 Reproduce the morphology of the permanent maxillary and Mandibular teeth in wax blocks and illustrate the microscopic features of Orofacial tissues.

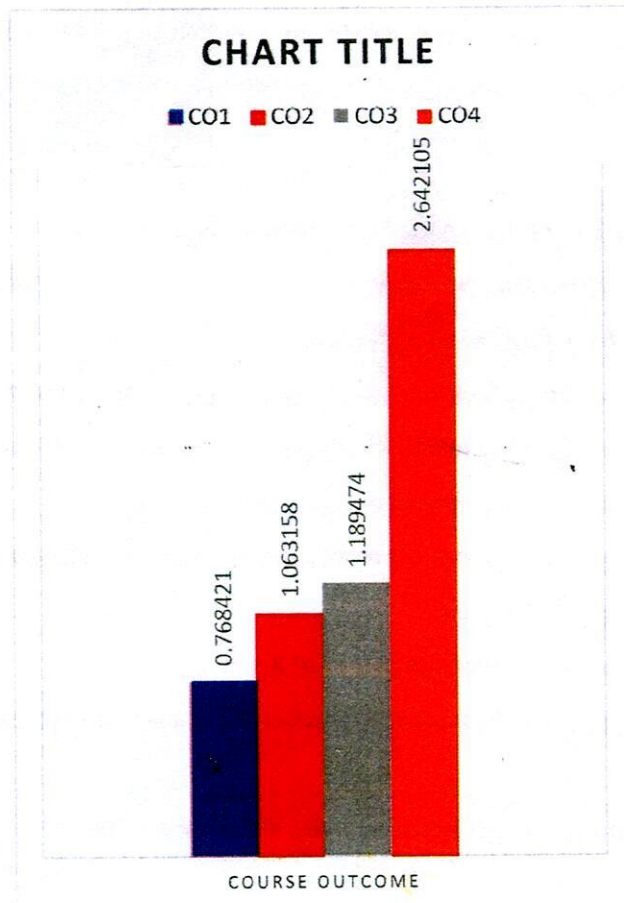
Based on University Practical Examination

Analysis of the report:

The course outcome of the subject was assessed in various dimensions namely Morphology, Chronology, Development, Physical and chemical properties, clinical appearance, histological features, and clinical correlation of Orofacial tissues, laboratory techniques. The outcome was assessed based on 4 different domains. The average values of the domains ranged around 0.7 to 2.6, procuring an overall rating of substantial. This data reveals the learning outcomes are holistic and delivery of curriculum is adequate. The teaching methods may be further emphasized to target the ceiling score of 3. The chart below shows the values of the various domains assessed.

  
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#### DEPARTMENT OF PRECLINICAL PROSTHODONTICS:

The following are the questions that reveal the objectives of the course outcome of the subject of preclinical prosthodontics. It is essential that every student should possess, acquire and develop the knowledge, skill and attitude in the areas that will be reflected by the questions given hereunder. Each area of requirements will be evaluated using specific assessment tools.

The calculated values will show the: The general performance of the department in achieving the expected outcome of the course; areas in which the expected outcome has not been achieved to satisfaction and needs improvement. Methods can be planned to improve the area and periodically assessed.

1. PCPCO1 The student is able to carry out basic preclinical exercises pertaining to removable prosthesis using simulated dentulous and edentulous models with concepts of biomechanics, principles of esthetics and clinical application  
Based on Evaluation of preclinical basic exercise completion out of total of 5 exercises

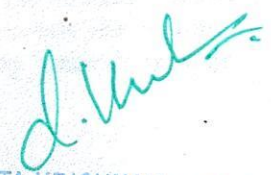
2. PCPCO2 The student is able to carry out preclinical laboratory procedures pertaining to stepwise complete denture fabrication using simulated completely edentulous models.  
Based on Evaluation of teeth setting exercises completion out of total of 8

3. PCPCO3 The student has a basic knowledge about all preclinical exercises and is able to clinically correlate them.  
Based on University exam marks

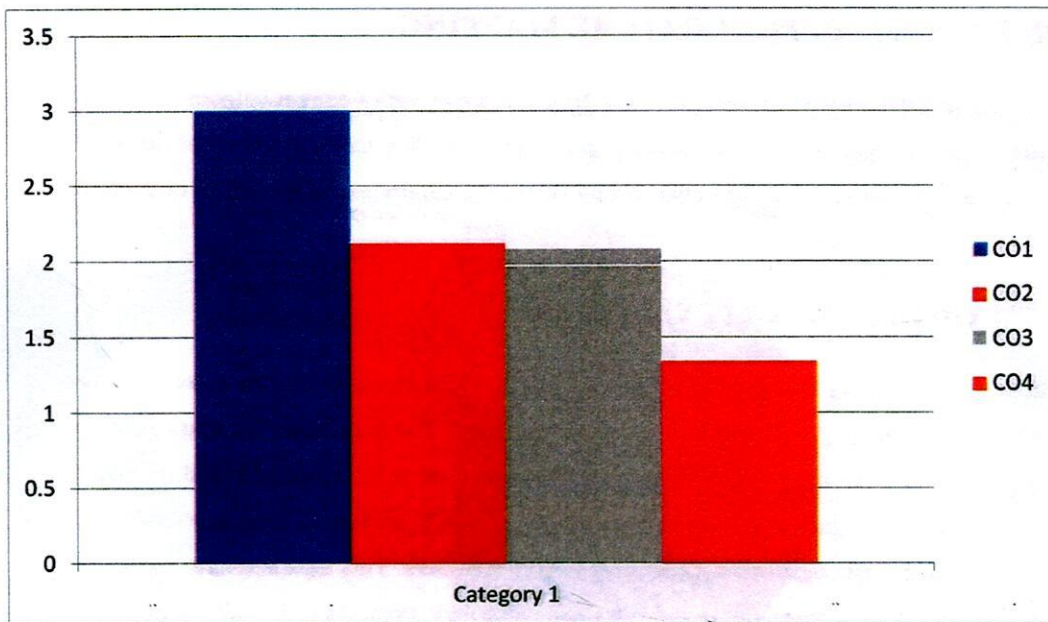
4. PCPCO4 The student is able to select and use dental material carefully, without wastage.  
Based on Evaluation of material wastage

#### Analysis of the report:

The course outcome of the subject was assessed in various dimensions namely diagnosis, clinical application of basic knowledge of anatomy and pathology in the sphere of treatment planning, ability to utilize diagnostic aids, effective patient communication, aetiopathogenesis of diseases, and knowledge about referral. The outcome was assessed based on 4 different domains. The average values of the domains ranged around 2.1, procuring an overall rating of moderate to substantial. This data reveals the learning outcomes are holistic and delivery of curriculum is adequate. The teaching methods may be further emphasized to target the ceiling score of 3. The chart below shows the values of the various domains assessed.

  
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## OUTCOME MAPPING/ PROGRAMME MAPPING:

Outcome mapping facilitates the alignment of course level outcomes with program outcome, ie., how well the course outcome operate to achieve the program outcome. The mainstay focus of outcome mapping is to assess student learning. The chart below shows the calibration of the CO in relation to the PO.

## PROGRAM OUTCOME ANALYSIS REPORT:

The program outcome mapping interpretation report reveals that the objectives of the course outcome are well aligned with the objectives of the program outcome. The outcomes were assessed in technical, cognitive and knowledge oriented aspects. The outcomes were assessed based on stated objectives using tools like examinations, viva voce, OSPE and OSCE so there is a common unbiased framework for assessment amongst the students and faculty members. This also helps to enable the students understand the desired learning outcomes and diagnose their strengths and weaknesses.

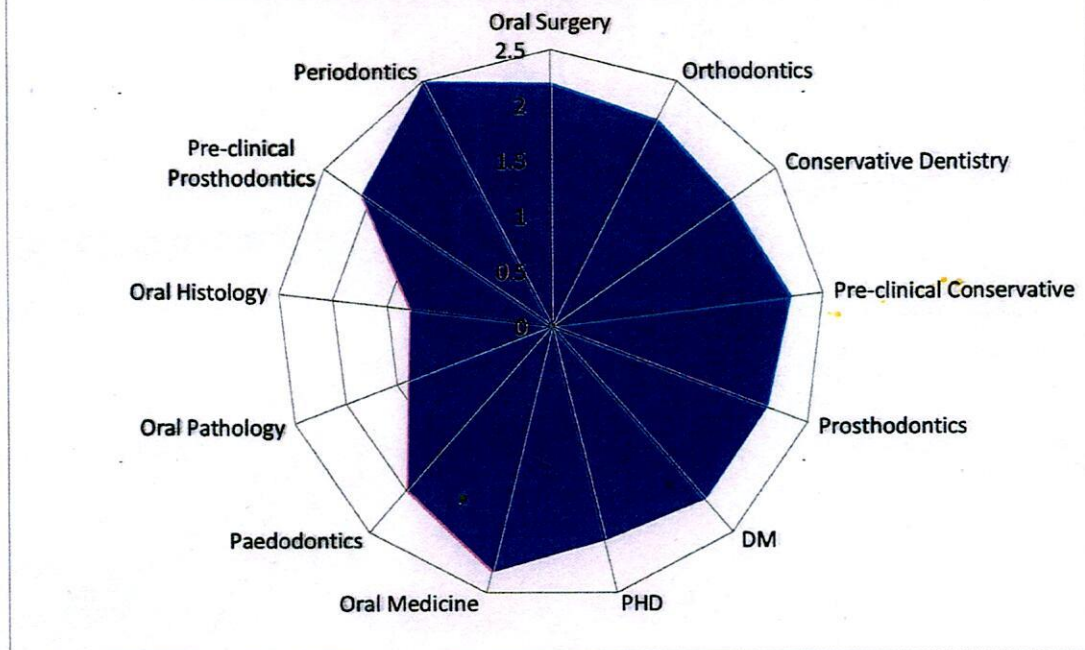
Overall the attainment of PO values ranged between moderate and substantial. The lacunae in individual courses have been analysed in the analysis report of the individual subjects. A corrective action plan is framed by each course head to improve the outcome and implemented for the next academic year and reviewed again. If the corrective action plan brings an improvement in the outcome the plan is retained and executed for the subsequent batches. If the plan does not bring about the desired outcome the action plan is aborted and an alternative action plan is sought.

S NO	NAME OF SUBJECT	PO INDEX
1	Oral Surgery	2.2
2	Orthodontics	2.1
3	Conservative Dentistry	2
4	Pre-clinical Conservative	2.2
5	Prosthodontics	2.1
6	DM	2.1
7	PHD	2
8	Oral Medicine	2.3
9	Paedodontics	2
10	Oral Pathology	1.4
11	Oral Histology	1.3
12	Pre-clinical Prosthodontics	2.1
13	Periodontics	2.5

  
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## PROGRAM OUTCOME RADAR CHART :



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