



THE OXFORD DENTAL COLLEGE

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka & Delhi)

Bommanahalli, Hosur Road, Bangalore – 560 068.

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CHILDREN'S EDUCATION SOCIETY (Regd.)

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DENTAL GRADUATE ATTRIBUTES

KNOWLEDGE AND UNDERSTANDING:

The graduate should acquire the following during the period of training.

- Adequate knowledge of the scientific foundations on which dentistry is based and good understanding of various relevant scientific methods, principles of biological functions and be able to evaluate and analyse scientifically various established facts and data.
- 2. Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general state of health and also bearing on physical and social well being of the patient.
- 3. Adequate knowledge of clinical disciplines and methods which provide a coherent picture of anomalies, lesions and diseases of the teeth, mouth and jaws and preventive diagnostic and therapeutic aspects of dentistry.
- 4. Adequate clinical experience required for general dental practice.
- 5. Adequate knowledge of the constitution, biological function and behaviour of persons in health and sickness as well as the influence of the natural and social environment on the state of health in so far as it affects dentistry.
- (B) SKILLS: A graduate should be able to demonstrate the following skills necessary for practice of dentistry.
- 1. Able to diagnose and manage various common dental problems encountered in general dental practice keeping in mind the expectations and the right of the society to receive the best possible treatment available wherever possible.

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- 2. Acquire the skill to prevent and manage complications if encountered while carrying out various surgical and other procedures.
- 3. Possess skill to carry out certain investigative procedures and ability to interpret laboratory findings.
- 4. Promote oral health and help prevent oral diseases where possible.
- 5. Competent in the control of pain and anxiety among the patients during dental treatment.
- (C) ATTITUDES: A graduate should develop during the training period the following attitudes.
- 1. Willing to apply the current knowledge of dentistry in the best interest of the patients and the community.
- 2. Maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
- 3. Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community.
- 4. Willingness to participate in the CPED Programmes to update the knowledge and professional skill from time to time.
- 5. To help and participate in the implementation of the national oral health policy.

क्षा सर्वत्र शोभते

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SPECIFIC ATTRIBUTE



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GOALS OF DENTAL TRAINING IN BDS CURRICULUM

The Dental curriculum shall be oriented towards educating students of B.D.S. Course to:

- Take up the responsibilities of dental surgeon of first contact and be capable of functioning independently in both urban and rural environment.
- Provide educational experience that allows hands-on-experience both in hospital as well as in community setting.
- Make maximum efforts to encourage integrated teaching and de-emphasize compartmentalisation
 of disciplines so as to achieve horizontal and vertical integration in different phases.
- 4. Offer educational experience that emphasizes health rather than only disease.
- 5. Teach common problems of health and disease and to the national programmes.
- Use learner oriented methods, which would encourage clarity of expression, independence of judgement, scientific habits, problem solving abilities, self initiated and self-directed learning.
- 7. Use of active methods of learning such as group discussions, seminars, role play, field visits, demonstrations, peer interactions etc., which would enable students to develop personality, communication skills and other qualities which are necessary may be done.

Regular periodic assessment be done throughout the course. Examinations be designed with a view to assess not merely the knowledge but also practical and clinical skills, habits and values which are necessary for a graduate to carry out professional day to day work competently.

Towards achieving these goals every Dental College should:

- Evolve institutional objectives, which would be in consonance with the national goals and health policy. The institutional objectives should describe the attributes of their product.
- Shift the role of Dental teachers from merely imparting knowledge to that of a facilitator and motivator of student learning.
- Establish a Dental Education Unit for faculty development preparation of learning resource materials and for improving evaluation methods.

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AIMS AND OBJECTIVE OF BDS COURSE

Aims

The dental graduates during training in the institutions should acquire adequate knowledge,

skills and such attitudes which are required for carrying out all the activities appropriate to general dental practice involving the prevention, diagnosis and treatment of anomalies and diseases of the teeth, mouth, jaws and associated tissues. The graduate should also understand the concept of community oral heath education and be able to participate in the rural health care delivery programmes existing in the country.

Objectives

The objectives are dealt under three headings namely (a) knowledge and understanding (b) skills and (c) attitudes.

a. Knowledge and understanding

The graduate should acquire the following during the period of training.

- Adequate knowledge of the scientific foundations on which dentistry is based and good
 understanding of various relevant scientific methods, principles of biological functions and should
 be able to evaluate and analyse scientifically various established facts and data.
- Adequate knowledge of the development, structure and function of the teeth, mouth and jaws and associated tissues both in health and disease and their relationship and effect on general-state of health and also the bearing on physical and social well-being of the patient.
- Adequate knowledge of clinical disciplines and methods, which provide a coherent picture of anomalies, lesions and diseases of the teeth, mouth and jaws and preventive, diagnostic and therapeutic aspects of dentistry.
- Adequate clinical experience required for general dental practice.
- Adequate knowledge of biological function and behaviour of persons in health and sickness as well as the influence of the natural and social environment on the state of health so far as it affects dentistry.

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b. Skills

A graduate should be able to demonstrate the following skills necessary for practice of dentistry.

- Able to diagnose and manage various common dental problems encountered in general dental practice, keeping in mind the expectations and the right of the society to receive the best possible treatment available wherever possible.
- Acquire skill to prevent and manage complications if encountered while carrying out various dental surgical and other procedures.
- Possess skill to carry out required investigative procedures and ability to interpret laboratory findings.
- Promote oral health and help to prevent oral diseases wherever possible.
- Competent in control of pain and anxiety during dental treatment.

A graduate should develop during the training period the following attitudes.

- 1. Willing to apply current knowledge of dentistry in the best interest of the patients and the community.
- 2. Maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
- Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community.
- 4. Willingness to participate in the continuing education programmes to update knowledge and professional skills from time to time.
- To help and to participate in the implementation of national health programmes.

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

Dental graduate attributes

In Conservative, Endodontics & Aesthetic Dentistry students should be competent on graduation to carry out routine treatment like restorations of various kinds, endodontic procedures, In addition, students should be aware of their limitations on graduation, need to refer patients for consultant opinion and/or treatment and also the need for postgraduate and continuous education programmes.

In the recent times, the subjects of esthetic dentistry, hence, the Council recommends that these specialties should be incorporated into the undergraduate curriculum. The instruction and clinical training in aesthetic dentistry shall be carried out by the departments of Conservative, Endodontics & Aesthetic Dentistry





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DEPARTMENT OF PERIODONTOLOGY

Knowledge and Understanding:

- Discuss historical perspective to advancement in the subject proper and related topics.
- Describe etiology, pathogenesis, diagnosis and management of common periodontal
- diseases with emphasis on Indian population.
- Familiarize with the biochemical, microbiologic and immunologic genetic aspects of periodontal pathology.
- Describe various preventive periodontal measures.
- Describe various treatment modalities of periodontal disease from historical aspect to currently available ones.
- Describe interrelationship between periodontal disease and various systemic conditions
 Describe periodontal hazards due to estrogenic causes and deleterious habits and
 prevention of it Identify rarities in periodontal disease and environmental/Emotional
 determinates in a given case.
- Recognize conditions that may be outside the area of his/her Specialty/ competence and refer them to an appropriate specialist
- Decide regarding non-surgical or surgical management of the case
- Update the student by attending courses, conferences and seminars relevant to periodontics or by self-learning process,
- Plan out/ carry out research activity both basic and clinical aspects with the aim of publishing his/her work in scientific journals
- Reach to the public to motivate and educate regarding periodontal disease, its prevention and consequences if not treated
- Plan out epidemiological survey to assess prevalence and incidence of early onset periodontitis and adult periodontitis in Indian population (Region wise)
- Shall develop knowledge, skill in the science and practice of Oral Implantology
- Shall develop teaching skill in the field of Periodontology and Oral Implantology

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Principals of Surgery and Medical Emergencies,

• To sensitive students about inter disciplinary approach towards the soft tissues of the

oral cavity with the help of specialist from other departments.

Skills:

The student shall acquire the skill to perform dental scaling, diagnostic tests of periodontal

diseases; to use the instruments for periodontal therapy and maintenance of the same. The

student shall develop attitude to impart the preventive measures namely, the prevention of

periodontal diseases and prevention of the progress of the disease.

The student shall also develop an attitude to perform the treatment with full aseptic

precautions; shall develop an attitude to prevent iatrogenic diseases; to conserve the tooth to

the maximum possible time by maintaining periodontal health and to refer the patients who

require specialist's care.

• Take a proper clinical history, thoroush exam\nation of Intra oral, extra oral, medical

history evaluation, advice essential diagnostic procedures and interpret them to come

to a reasonable diagnosis

Effective motivation and education regarding periodontal disease maintenance after the

treatment

Perform both non-surgical & education regarding periodontal disease, maintenance

after the treatment

Perform both non-surgical and surgical procedures independently

Provide Basic Life Support Service(BK) recognizes the need for advance life support and

does the Immediate need for that.

Human values, ethical practice to communication abilities. Adopt ethical principles in all

aspects of treatment modalities; Professional honesty & Integrity are to be fostered.

Develop Communication skills to make awareness regarding periodontal disease.





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- Apply high moral and ethical standards while carrying out human or animal research, be humble, accept the limitations in his/her knowledge and skill, and ask for help from colleagues when needed, respect patients' rights and privileges, including patients right to Information and right to seek a second opinion.
- To learn the principal of lip repositioning and peri esthetics surgeries.

Specific attributes:

- Diagnose the patients periodontal problem, plan and perform appropriate periodontal treatment
- Competent to educate and motivate the patient
- Competent to perform thorough oral prophylaxis, subgingival seating, root planning and periodontal surgical procedures
- Give proper post treatment instructions and do periodontic recall and evaluation
- Familiar with concepts of osseointegration and basic surgical aspects of implantology
- Should be familiar with legal, ethical and moral issues pertaining to the patient care.
- Understanding the basic principles of asepsis and sterilization.
- Should be competent with minor and major procedures of the department under local and general anesthesia.
- Competent to assess, prevent and manage common complications that arise during and after minor procedures.
- Able to provide primary care and manage medical emergencies in the dental office.
- Familiar with the management of major surgical problems and principles involved in the in-patient management.



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DEPARTMERNT OF PROSTHODONTICS

- Knowledge and understanding of scientific foundations on which dentistry is based and good understanding of various relevant scientific methods, principles of biological functions and be able to evaluate and analyze various established scientific facts and data.
- Attitude and willingness to apply the current knowledge of dentistry in the best interest
 of the patients and the community.
- Have high standard of professional ethics and conduct and apply these in all aspects of professional life.
- General skills to diagnose and manage various common dental problems, prevent and manage complications if encountered while carrying out various surgical and other procedures. Also should be able to promote oral health and help prevent oral diseases whenever possible.
- Communication & Community Resources-participate in improving oral health of the individuals through community outreach programs, including dental camps and school oral health programs.
- Should be able to provide Patient Care including diagnosis, treatment planning and treatment to the patients
- Teaching behavioral sciences to undergraduate students result in all round development of their personality.

Integration of attributes of students in curriculum involves a unique approach to learning, teaching and assessment methods which result in:

- Punctuality for clinics /labs & didactic lectures with strict dress code.
- Pre-clinical work prior to treating patients.
- Acquiring theoretical and clinical Knowledge and its acumen by means of clinical postings.
- Students need to conduct original research under the mentorship of Faculty utilizing indigenous research lab resource.
- Made to imbibe Green campus initiatives of College.
- Encouraged Project based learning of predetermined topics.



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Evaluation of the above attributes are achieved by two processes

- Formative or internal assessment.
- Summative or university examinations.
- Formative evaluation is done through a series of tests and examinations conducted periodically by the institution.
- Summative evaluation is done by the university through examination conducted at the end of the specified course.

Evaluation consists of the following tested methods

- Written test
- Practicals
- Clinical examination
- Viva voce
- Practice in respective speciality efficiently and effectively, backed by scientific knowledge and upgradation of skills.
- Inculcating empathy and caring attitude with high ethical standards
- Evince keen interest in professional education of chosen speciality.
- Share knowledge and skills with any learner, junior or colleague.
- Faculty development through critical analysis and evaluation of various concepts and views and to adopt the most rational approach.
- In view of integration of attributes and assimilation in undergraduate curriculum, Students are able to find solutions to problems, communicate effectively and work as a team with adequate information technology skills.





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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Knowledge and understanding

The graduate should acquire the following during the period of training.

1. Adequate knowledge of the scientific foundations on which dentistry is based and

understanding of various relevant scientific methods, principles of biological functions

and should be able to evaluate and analyses scientifically various established facts and

data.

2. Adequate knowledge of the development, structure and function of the teeth, mouth

and jaws and associated tissues both in health and disease and their relationship

and effect on general-state of health and also the bearing on physical and social

well-being of the patient.

3. Adequate knowledge of clinical disciplines and methods, which provide a coherent

picture of anomalies, lesions and diseases of the teeth, mouth and jaws and preventive,

diagnostic and therapeutic aspects of dentistry.

4. Adequate clinical experience required for general dental practice.

5. Adequate knowledge of biological function and behavior of persons in health and sickness

as well as the influence of the natural and social environment on the state of health so

far as it affects dentistry.

Skills

A graduate should be able to demonstrate the following skills necessary for practice of

dentistry.

1. Able to diagnose and manage various common dental problems encountered in general

dental practice, keeping in mind the expectations and the right of the society to

receive the best possible treatment available wherever possible.

2. Acquire skill to prevent and manage complications if encountered while carrying out



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various dental surgical and other procedures.

- 3. Possess skill to carry out required investigative procedures and ability to Interpret laboratory findings.
- 4. Promote oral health and help to prevent oral diseases wherever possible.

Attitudes

A graduate should develop during the training period the following attitudes.

- Willing to apply current knowledge of dentistry in the best interest of the patients and the community.
- Maintain a high standard of professional ethics and conduct and apply these in all aspects of professional life.
- 3. Seek to improve awareness and provide possible solutions for oral health problems and needs throughout the community.
- 4. Willingness to participate in the continuing education programmes to update knowledge and professional skills from time to time.
- 5. To help and to participate in the implementation of national health programme



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DEPARTMENT OF ORAL AND MAXILLOFACIAL PATHOLOGY & ORAL MICROBIOLOGY

- Students should be able to identify the hard and soft tissue pathology in oral cavity.
- Student should be able to identify the microscopic features of various oral lesions
- Students are able to perform cytosmears and bacteriological smears which further helps the students in their clinical practice.
- The student should understand the histological basis of various dental treatment procedures and physiologic ageing process in the dental tissues.
- Student should be able to identify different types of pathological processes, that involve the oral cavity, including the manifestations of common diseases, their diagnosis & correlation with clinical pathological processes.
- An understanding of the oral manifestations of systemic diseases should help in correlating with the systemic physical signs & laboratory findings.
- The student should understand the underlying principles governing treatment of oral diseases.
- Student should have knowledge of the principles of certain basic aspects of Forensic Odontology.
- Student should be able to identify the age of patients based by patterns of teeth eruption of different age groups.
- The students must know the basic knowledge of various research methodologies.



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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

- Apply the principles of health promotion and disease prevention
- Have knowledge of the organization and provision of health care in community and in the hospital service
- Have knowledge of the prevalence of common dental conditions in India.
- Have knowledge of community based preventive measures
- Have knowledge of the social, cultural and env. Factors which contribute to health or illness.
- Administer and hygiene instructions, topical fluoride therapy and fissure sealing.
- Educate patients concerning the aetiology and prevention of oral disease and encourage them to assure responsibility for their oral health.

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