



**KALINGA INSTITUTE OF DENTAL SCIENCES**

*Serving through Exemplary Oral Health Care, Education & Research*



## **PAEDIATRIC AND PREVENTIVE DENTISTRY**

## **PROGRAM OUTCOMES (PO)**

1. Student should be able to know the growth pattern of maxilla and mandible and understand applied Anatomy, genetics, Applied Physiology, Applied Pathology, Nutrition, Dietics, Growth & Development, Cariology and Fluoride
2. Student will get acquainted with Dental health concepts, Effects of civilization and environment, Dental Health delivery system, Public Health measures related to children along with principles of Paediatric Preventive Dentistry
3. Student should be able to develop an attitude of Counselling in Paediatric Dentistry and also be able to do Case History Recording, Outline of principles of examination, diagnosis & treatment planning.
4. Student should be able to diagnose pediatric dental diseases and be competent to treat dental diseases which are occurring in child patient.
5. Student should be able to understand the principles of prevention and preventive dentistry right from birth to adolescence along with the ability to repair and restore the lost / tooth structure to maintain harmony between both hard and soft tissues of the oral cavity.
6. Student should be able to manage the disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions, acquire skills in managing efficiency life threatening condition with emphasis on basic life support measure and be able to treat children under sedation and general anesthesia.
7. Student should be able to develop an attitude to adopt ethical principles in all aspects of Paediatric dental practice along with professional honesty sharing knowledge and clinical experience with professional colleagues with own willingness and integrity also delivering care irrespective of the social status, cast, creed, and religion of the patient.
8. Student should be able to create a good oral health in the child with Installing a positive attitude and behaviour in children, to guide and counsel the parents in regards to various treatment modalities including different facets of preventive dentistry. Student should also be able to respect child patient's rights and privileges, including child patient's right to information and right to seek a second opinion.
9. For a given case, the student after a critical assessment should be able to adopt new methods and techniques of Paediatric dentistry that is developed time to time, based on scientific researches, which are in the best interest of the child and patient also being able to put the knowledge learnt here to further his knowledge for higher studies.

# PAPER - 1

## Course Outcomes

### Part - 1

1- Acquire knowledge about the basics of growth and development of oral and facial structures with special emphasis on maxilla and mandible

2-Knowledge of the regional anatomy, histology, embryology and osteology of head and neck with general disposition of thorax, abdominal and pelvic organs and translating this knowledge in Pediatric practice

3- Knowledge of pediatric diseases and preventive dentistry as applied to pediatric dentistry

**Program:** MDS in Paediatric and Preventive Dentistry

**Course:** Part I – Applied Basic Sciences

Mapping of COs to POs						
	PO1	PO2	PO3	PO4	PO5	PO6
CO1	✓				✓	
CO2		✓			✓	
CO3			✓	✓	✓	✓

**PO** = Program Outcome

**CO** = Course Outcome

Name of the Course	Employability	Entrepreneurship	Skill development
Part I - Applied Basic Sciences	Y		Y

## COURSE OUTCOMES(CO)

### Part – 2

1. Attain knowledge about pediatric operative dentistry, pediatric endodontics 2. The clinical knowledge of traumatic dental injury and its management as
2. well as spreading awareness in community about the same
3. Application of knowledge in preventive and interceptive orthodontics including oral habits, space management
4. To have a wider view and management on genetic diseases, special children

**Program** – MDS in Pediatric and Preventive Dentistry

**Course** – Part II –Paper I (Clinical Pediatric Dentistry including sedation and general anesthesia)

Mapping of COs to POs						
	PO1	PO2	PO3	PO4	PO5	PO6
CO1	✓	✓	✓		✓	✓
CO2	✓	✓	✓	✓	✓	✓
CO3			✓	✓	✓	✓
CO4	✓	✓	✓	✓	✓	✓

**PO** = Program Outcome

**CO** = Course Outcome

Name of the Course	Employability	Entrepreneurship	Skill development
Paper I- Clinical Pediatric Dentistry including sedation and general anesthesia	y	Y	Y

## PAPER - 2

### COURSE OUTCOME

#### Part - 2

1. Knowledge and clinical application of child psychology as applied to child patients.
2. To utilise an array of behaviour management techniques for making the child comfortable in clinic.
3. To be able to conduct school and dental health programmes for the benefit of entire community.
4. To be able to apply biostatistics in research methodology.

### MAPPING OF CO'S TO PO'S

**Program** – MDS in pediatrics and Preventive Dentistry

**Course** – Part II Paper II Preventive and Community Dentistry as applied to Pediatric Dentistry

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	✓	✓	✓		✓	✓
CO2	✓	✓	✓	✓	✓	✓
CO3				✓		
CO4					✓	✓

**PO** = Program Outcome

**CO** = Course Outcome

Name of the Course	Employability	Entrepreneurship	Skill development
Part II Paper II- Preventive and Community Dentistry as applied to Pediatric Dentistry		Y	Y

## PAPER - 3

### COURSE OUTCOME

1. To be able to apply the knowledge gained in all other courses to be applied practically.
2. To know about the recent advances in materials, clinical methods, medico-legal aspects, child abuse laws in pediatric dentistry

### MAPPING OF CO's TO PO's

**Program – MDS in pediatrics and Preventive dentistry**

**Course – Part II Paper III – Essay (Advances in pediatric Dentistry)**

	PO1	PO2
CO1	✓	✓
CO2	✓	✓

Name of the Course	Employability	Entrepreneurship	Skill development
Part II Paper III Essay(Advances in pediatric Dentistry)	Y	Y	Y