



# College of Dental Sciences & Research Centre

*Maa Kamla Charitable Trust*

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## COMPETENCIES

At the completion of the undergraduate training program the graduates shall be competent in the following

### General Skills

- Apply knowledge & skills in day to day practice
- Apply principles of ethics
- Analyze the outcome of treatment
- Evaluate the scientific literature and information to decide the treatment
- Participate and involve in professional bodies
- Self assessment & willingness to update the knowledge & skills from time to time
- Involvement in simple research projects
- Minimum computer proficiency to enhance knowledge and skills
- Refer patients for consultation and specialized treatment
- Basic study of forensic odontology and geriatric dental problems

### Practice Management

- Evaluate practice location, population dynamics & reimbursement mechanism
- Co-ordinate & supervise the activities of allied dental health personnel
- Maintain all records.
- Implement & monitor infection control and environmental safety programs
- Practice within the scope of one's competence

### Communication & Community Resources

- Assess patients goals, values and concerns to establish rapport and guide patient care
- Able to communicate freely, orally and in writing with all concerned
- Participate in improving the oral health of the individuals through community activities.

### Patient Care - Diagnosis

- Obtaining patient's history in a methodical way
- Performing thorough clinical examination

## Selection and interpretation of clinical, radiological and other diagnostic information

- Obtaining appropriate consultation
- Arriving at provisional, differential and final diagnosis

## Patient Care - Treatment Planning

- Integrate multiple disciplines into an individual comprehensive sequence treatment plan using diagnostic and prognostic information
- Able to order appropriate investigations

## Patient Care - Treatment

- Recognition and initial management of medical emergencies that may occur during Dental treatment
- Perform basic cardiac life support
- Uncomplicated extraction of teeth
- Trans-alveolar extractions and removal of simple impacted teeth
- Minor oral surgical procedures
- Manage Oro-facial infections Simple orthodontic appliance therapy
- Taking, processing and interpretation of various types of intraoral radiograph
- Various kinds of restorative procedures using different materials available intra oral radiographs
- Simple endodontic procedures
- Removable and fixed prosthodontics
- Various kinds of periodontal therapy

## ORAL MEDICINE & RADIOLOGY

- Able to identify precancerous and cancerous lesions of specialty for their management oral cavity and refer to the
- Should have an adequate knowledge about common laboratory investigations and interpretation of their results.
- Should have adequate knowledge about medical complications that can arise while treating systemically compromised patients and take prior precautions/ consent from the concerned medical specialist.
- Have adequate knowledge
- Competent to edge about radiation health hazards, radiations safety and protection take intra-oral radiographs and interpret the radiographic findings
- Gain adequate knowledge of various extra oral radiographic procedures. TMJ radiography sialography
- Be aware intra- and extra-oral radiographs in estimation forensic identification and age estimation
- Should be familiar with jurisprudence, ethics and understand the significance of dental record with respect to law

## PAEDIATRIC & PREVENTIVE DENTISTRY

- Able to instill a positive attitude and behavior in children towards oral health and understand the principles to adolescence
- Able to of prevention and preventive dentistry right from birth e to guide and counsel the parents in regards different facets of preventive dentistry to various treatment modalities including
- Able to treat dental diseases occurring in child patient.
- Able to manage the physically and mentally challenged disabled children effectively and efficiently, tailored to the needs of individual requirement and conditions

## ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

- Understand about normal growth and development of facial skeleton and dentition.
- Pinpoint oberrations in growth process both dental and skeletal and plan necessary treatment
- Diagnose the various malocclusion categories
- Able to motivate and explain to the patient (and parent) about the necessity of treatment
- Plan and execute preventive orthodontics (space maintainances or space regainers)
- Plan and execute interceptive orthodontics (habit breaking appliances)
- Manage treatment of simple malocclusion such as anterior spacing using removable appliances
- Handle delivery and activation of removable orthodontic appliances
- Diagnose and appropriately refer patients with complex malocclusion to the specialist

## PERIODONTOLOGY

- Diagnose the patients periodontal problem, plan and perform appropriate periodontal treatment
- Competent to educate and motivate the patient scaling, root planning and minor
- Competent to perform thorough oral prophylaxis, subgingival periodontal surgical procedures
- Give proper post treatment instructions and do periodic recall and evaluation
- Familiar with concepts of osseo-integration and basic surgical aspects of implantology

## PROSTHODONTICS AND CROWN & BRIDGE

- Able to understand and use various dental materials
- Competent to carry out treatment of conventional complete and partial removable dentures an fabricate fixed partial dentures
- Able to carry out treatment of routine prosthodontic procedures
- Familiar with the concept of osseo-integration and the value of implant-supported Prosthodontic procedures

## CONSERVATIVE DENTISTRY AND ENDODONTICS

- Competent to diagnose all carious lesions
- Competent to perform Class I and Class II cavities and their restoration with amalgam

## ORAL & MAXILLOFACIAL SURGERY

- Able to apply the knowledge gained in the basic medical and clinical subjects in the management of patients with surgical problems
- Able to diagnose, manage and treat patients with basic oral surgical problems
- Have a broad knowledge of maxillofacial surgery and oral implantology
- Should be familiar with legal, ethical and moral issues pertaining to the patient care and communication skills
- Should have acquired the skill to examine any patient with an oral surgical problem in an orderly manner
- Understand and practice the basic principles of asepsis and sterilization
- Should be competent in the extraction of the teeth under both local and general anesthesia
- Competent to carry out certain minor oral surgical procedure under LA like trans-alveolar extraction, frenectomy, dento alveolar procedures, simple impaction, biopsy, etc
- Competent to assess, prevent and manage common complications that arise during and after minor oral surgery
- Able to provide primary care and manage medical emergencies in the dental office
- Familiar with the management of major oral surgical problems and principles involved in the in-patient management

#### 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 and cultural factors which contribute to health or illness.
- Administer and hygiene instructions, topical fluoride therapy and fissure sealing.
- Educate patients concerning the etiology and prevention of oral disease and encourage them to assure responsibility for their oral health.

#### MINIMUM WORKING HOURS FOR EACH SUBJECT OF STUDY (B.D.S COURSE)

SUBJECTS	LECTURE HOURS	PRACTICAL HOURS	CLINICAL HOURS	TOTAL HOURS
General human anatomy including,osteology and histology	100	175		275
General human physiology,biochemistry	120 70	60 60		180 130
Dental materials	80	240		320
Dental anatomy embryology and oral	105	250		355

histology				
Dental pharmacology & therapeutics	70	20		90
General pathology & microbiology	55 65	55 50		110 115
General medicine	60		9	150
General surgery	60		90	150
Oral pathology & microbiology	145	130		275
Oral medicine & radiology	65		170	235
Paediatric & preventive Dentistry	65		170	235
Orthodontics & dental orthopaedics	50		170	220
periodontology	80		170	250
Oral & maxillofacial surgery	70		270	340
Conservative dentistry & endodontics	135	200	370	705
Prosthodontics crown & bridge	135	300	370	805
Public health dentistry including lectures on tobacco control & habit cessation	60		200	260
TOTAL	1590	1540	1989	5200

Note-

There should be a minimum of 240 teaching days each academic year consisting of 8 working hours, including one hour of lunch break.

Internship- 240\*8 hours-1920 clinical hours



# College of Dental Sciences & Research Centre

## Maa Kamla Charitable Trust

Ref. No. : CDSRC /AC/ 18-19/AC

Date : 30/6/18

### ACADEMIC CALENDER 2018-2019

MONTH	ACTIVITY
JULY 2018	Commencement of 4 <sup>th</sup> year BDS
AUGUST 2018	Commencement of 3 <sup>rd</sup> year BDS
	White coat ceremony for 3 <sup>rd</sup> BDS
SEPTEMBER 2018	Commencement of 1 <sup>st</sup> year BDS, 2 <sup>nd</sup> year BDS and Internship
	1 <sup>st</sup> BDS orientation programme
OCTOBER 2018	Orientation programme for interns
	Convocation for Interns 2017-2018 batch
NOVEMBER 2018	3 <sup>rd</sup> BDS first internal exam
DECEMBER 2018	1 <sup>st</sup> BDS first internal exam
	2 <sup>nd</sup> BDS first internal exam
	4 <sup>th</sup> BDS first internal exam
	LD submission for 2 <sup>nd</sup> year MDS
	Dissertation submission for 3 <sup>rd</sup> year MDS
JANUARY 2019	3 <sup>rd</sup> year MDS mock exam
FEBRUARY 2019	Sports and Cultural events
MARCH 2019	1 <sup>st</sup> BDS second internal exam
	2 <sup>nd</sup> BDS second internal exam
	3 <sup>rd</sup> BDS second internal exam
	4 <sup>th</sup> BDS second internal exam
	3 <sup>rd</sup> MDS university exam
MAY 2019	Commencement of 1 <sup>st</sup> MDS (18-19)
	Orientation programme for 1 <sup>st</sup> MDS (18-19)
	3 <sup>rd</sup> BDS prelim exam
	4 <sup>th</sup> BDS prelim exam
	1 <sup>st</sup> BDS prelim exam
	2 <sup>nd</sup> BDS prelim exam
JULY 2019	Ethical committee synopsis presentation for 1 <sup>st</sup> year MDS
	1 <sup>st</sup> BDS University exam
	2 <sup>nd</sup> BDS University exam
	3 <sup>rd</sup> BDS University exam
	4 <sup>th</sup> BDS University exam

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## Maa Kamla Charitable Trust

Ref. No. : CDSRC/AZ/19-20/AZ

Date : 29/6/19

### ACADEMIC CALENDER 2019-2020

MONTH	ACTIVITY
JULY 2019	Commencement of 4 <sup>th</sup> year BDS
AUGUST 2019	Commencement of 1 <sup>st</sup> year BDS
	Orientation for 1 <sup>st</sup> BDS
	Commencement of 3 <sup>rd</sup> year BDS
SEPTEMBER 2019	White coat ceremony for 3 <sup>rd</sup> year BDS
	Commencement of 2 <sup>nd</sup> year BDS
	Commencement of Internship
	Orientation programme for Interns
OCTOBER 2019	Convocation for Interns 2018-2019 batch
DECEMBER 2019	3 <sup>rd</sup> BDS first internal exam
	4 <sup>th</sup> BDS first internal exam
	LD submission for 2 <sup>nd</sup> year MDS
	Dissertation submission for 3 <sup>rd</sup> year MDS
JANUARY 2020	1 <sup>st</sup> BDS first internal exam
	2 <sup>nd</sup> BDS first internal exam
FEBRUARY 2020	Sports and Cultural events
MARCH 2020	4 <sup>th</sup> BDS second internal exam
	3 <sup>rd</sup> BDS second internal exam
	1 <sup>st</sup> year MDS prelim exam (18-19)
	3 <sup>rd</sup> year MDS mock exam
APRIL 2020	1 <sup>st</sup> BDS second internal exam
	2 <sup>nd</sup> BDS second internal exam
MAY 2020	4 <sup>th</sup> BDS prelim exam
	3 <sup>rd</sup> BDS prelim exam
	1 <sup>st</sup> year MDS university exam (18-19)
	3 <sup>rd</sup> MDS university exam
	Commencement of 1 <sup>st</sup> year MDS (19-20)
	Orientation for 1 <sup>st</sup> year MDS (19-20)
JUNE 2020	1 <sup>st</sup> BDS prelim exam
	2 <sup>nd</sup> BDS prelim exam
JULY 2020	3 <sup>rd</sup> BDS university exam
	4 <sup>th</sup> BDS university exam
	1 <sup>st</sup> BDS university exam
	2 <sup>nd</sup> BDS university exam
	Ethical committee synopsis presentation for 1 <sup>st</sup> year MDS (19-20)
	3 <sup>rd</sup> year MDS mock exam



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Ref. No. : CDSRC/TK/2020/AC

Date : 27/6/20

## ACADEMIC CALENDER – 2020 (Revised)

MONTH	ACTIVITY
AUGUST	Commencement of 1 <sup>st</sup> year MDS (20-21)
	Orientation for 1 <sup>st</sup> year MDS (20-21)
	3 <sup>rd</sup> year MDS university exam
SEPTEMBER	Online classes for 4 <sup>th</sup> year BDS
	1 <sup>st</sup> year MDS prelim exam (19-20)
OCTOBER	Online classes for 2 <sup>nd</sup> year and 3 <sup>rd</sup> year BDS
	1 <sup>st</sup> year MDS university exam (19-20)
	Ethical committee synopsis presentation for 1 <sup>st</sup> year MDS (20-21)
DECEMBER	Commencement of 1 <sup>st</sup> year BDS
	Commencement of 2 <sup>nd</sup> year BDS
	Commencement of 3 <sup>rd</sup> year BDS
	Commencement of physical classes for 4 <sup>th</sup> year BDS
	Orientation of 1 <sup>st</sup> year BDS
	White coat ceremony for 3 <sup>rd</sup> year BDS

29/6/20

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College of Dental Sciences & Research Centre, Ahmedabad

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# College of Dental Sciences & Research Centre

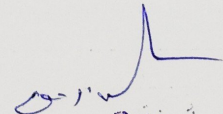
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Ref. No. : CDSRC/AC/2021/AZ

Date : 3/12/20

### ACADEMIC CALENDER – 2021

MONTH	ACTIVITY
JANUARY	Commencement of physical classes for 1 <sup>st</sup> year BDS (NEW)
	Commencement of physical classes for 2 <sup>nd</sup> year BDS (NEW)
	2 <sup>nd</sup> BDS university exam (OLD)
	3 <sup>rd</sup> BDS university exam (OLD)
	LD submission for 2 <sup>nd</sup> year MDS
	Dissertation submission for 3 <sup>rd</sup> year MDS
FEBRUARY	Commencement of Internship
	Orientation programme for Interns
	1 <sup>st</sup> BDS university exam (OLD)
	3 <sup>rd</sup> year MDS mock exam
	Sports and Cultural Events
MARCH	Commencement of 3 <sup>rd</sup> year BDS (NEW)
	White coat ceremony for 3 <sup>rd</sup> year BDS
	Online classes for 1 <sup>st</sup> year BDS
	Online classes for 2 <sup>nd</sup> year BDS
	Online classes for 3 <sup>rd</sup> year BDS
	Online classes for 4 <sup>th</sup> year BDS
APRIL	Commencement of physical classes for 1 <sup>st</sup> year BDS
	Commencement of physical classes for 2 <sup>nd</sup> year BDS
	Commencement of physical classes for 3 <sup>rd</sup> year BDS
	Commencement of physical classes for 4 <sup>th</sup> year BDS
	3 <sup>rd</sup> year MDS university exam
MAY	2 <sup>nd</sup> BDS prelim exam
	3 <sup>rd</sup> BDS prelim exam
	4 <sup>th</sup> BDS prelim exam
JUNE	1 <sup>st</sup> year BDS prelim exam

  
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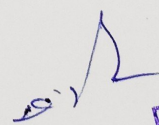
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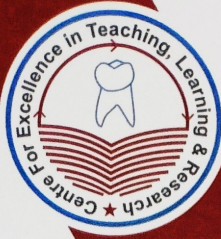
Date : 29/6/21

### ACADEMIC CALENDER 2021-2022

MONTH	ACTIVITY
SEPTEMBER 2021	Commencement of 3 <sup>rd</sup> year BDS
	Commencement of 4 <sup>th</sup> year BDS
	White coat ceremony for 3 <sup>rd</sup> year BDS
	1 <sup>st</sup> year MDS prelim exam (20-21)
OCTOBER 2021	Commencement of Internship
	Orientation programme for interns
	Commencement of 1 <sup>st</sup> year MDS (21-22)
	Orientation programme for 1 <sup>st</sup> year MDS (21-22)
	Commencement of 2 <sup>nd</sup> year BDS (OLD)
	1 <sup>st</sup> year MDS university exam (20-21)
DECEMBER 2021	2 <sup>nd</sup> BDS first internal exam (OLD)
	3 <sup>rd</sup> BDS first internal exam
	4 <sup>th</sup> BDS first internal exam
	Ethical committee synopsis presentation for 1 <sup>st</sup> year MDS (21-22)
	LD submission for 2 <sup>nd</sup> year MDS
	Dissertation submission for 3 <sup>rd</sup> year MDS
FEBRUARY '22	Sports and Cultural Events
MARCH '22	3 <sup>rd</sup> BDS second internal exam
	4 <sup>th</sup> BDS second internal exam
	Commencement of 2 <sup>nd</sup> year BDS (NEW)
	3 <sup>rd</sup> year MDS mock exam
APRIL '22	Convocation for Interns
	2 <sup>nd</sup> BDS second internal exam (OLD)
	Commencement of 1 <sup>st</sup> year BDS
	Orientation programme for 1 <sup>st</sup> year BDS
JULY '22	3 <sup>rd</sup> year MDS university exam
	1 <sup>st</sup> BDS first internal exam

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Ref. No. : CDSRC/AZ/22-23/AZ

Date : 27/6/22

### ACADEMIC CALENDER 2022-2023

MONTH	ACTIVITY
AUGUST '22	1 <sup>st</sup> BDS university exam
	2 <sup>nd</sup> BDS university exam
	3 <sup>rd</sup> BDS university exam
	4 <sup>th</sup> BDS university exam
SEPTEMBER '22	Commencement of 3 <sup>rd</sup> year BDS
	White coat ceremony for 3 <sup>rd</sup> year BDS
	Commencement of 4 <sup>th</sup> year BDS
	1 <sup>st</sup> year MDS prelim exam (21-22)
OCTOBER '22	Commencement of Internship
	Orientation programme for interns
	1 <sup>st</sup> BDS second internal exam (OLD)
	1st year MDS university exam (21-22)
NOVEMBER '22	Commencement of 1 <sup>st</sup> year MDS (22-23)
	Orientation programme for 1 <sup>st</sup> year MDS (22-23)
DECEMBER '22	Commencement of 1 <sup>st</sup> year BDS (NEW)
	Orientation programme for 1 <sup>st</sup> year BDS (NEW)
	3 <sup>rd</sup> BDS first internal exam
	4 <sup>th</sup> BDS first internal exam
JANUARY '23	1 <sup>st</sup> BDS prelim exam (OLD)
	Ethical committee synopsis presentation for 1 <sup>st</sup> year MDS (22-23)
FEBRUARY '23	1 <sup>st</sup> BDS university exam (OLD)
	Sports and Cultural Events
MARCH '23	3 <sup>rd</sup> BDS second internal exam
	4 <sup>th</sup> BDS second internal exam
	Commencement of 2 <sup>nd</sup> year BDS (NEW)
APRIL '23	3 <sup>rd</sup> year MDS mock exam
MAY '23	3 <sup>rd</sup> BDS prelim exam
JUNE '23	4 <sup>th</sup> BDS prelim exam
	1 <sup>st</sup> BDS second internal exam (NEW)
	2 <sup>nd</sup> BDS first internal exam (NEW)
	3 <sup>rd</sup> year MDS university exam
JULY '23	2 <sup>nd</sup> year university exam
	3 <sup>rd</sup> year university exam
AUGUST '23	4 <sup>th</sup> year university exam
SEPTEMBER '23	1 <sup>st</sup> BDS prelim exam (NEW)
	2 <sup>nd</sup> BDS second internal exam (NEW)

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