Maratha Mandal's
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2.3.2

Sl. No	Details
1	Establishment of clinical skill laboratory
2	List of clinical skill models
3	List of clinical training

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30/11/2022

DECLARATION

Following are the details of establishment of clinical skill laboratory at Maratha Mandal's Nathajirao G Halgekar Institute of Dental Sciences & Research Centre, Belagavi

1) The specialized Implant Clinic was established on 27th February 2010 in the Institution.
2) The clinical skill laboratory in our institute in Department of Conservative Dentistry and Endodontics was established on 4th July 2003.
3) The clinical Skill lab for Pre-clinical Prosthodontics and Dental Materials was established on 5th July 2004 in the Department of Prosthodontics Crown and Bridge.
4) Basic life support (BLS) skill laboratory was established in our Institution in Department of Oral and Maxillofacial Surgery on 29th September 2016 to commemorate World Heart Day.

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Sl.No	Department
1	Oral Medicine & Radiology
2	Implantology
3	Public Health Dentistry
4	Oral & Maxillofacial Surgery
5	Prosthodontics, Crown & Bridge including Implantology
6	Conservative Dentistry & Endodontics
7	Pediatrics and Preventive Dentistry
8	Orthodontics & Dentofacial Orthopedics
9	Peridontology & Implantology
10	Oral Maxillofacial Pathology & Microbiology

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LIST OF CLINICAL SKILL MODELS

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

2.3.2: Use of Clinical Skills Laboratory / Simulation Based Learning:

IIIrd BDS

Sl. No	Name of clinical / laboratory skills model
1	Case History- Pulp and periapical diseases
2	Examination of TMJ,
3	Examination of Salivary glands
4	Examination of Lymphnodes
5	Extraoral examination
6	Intraoral examination
7	Making IOPA
8	Processing Radiograph

IV BDS

Sl. No	Name of clinical / laboratory skills model
1	Case History- Pulp and periapical diseases
2	Examination of TMJ,
3	Examination of Salivary glands
4	Examination of Lymphnodes
5	Extraoral examination
6	Intraoral examination
	Examination of soft tissues of oral cavity
7	Identification, examination and description of White patch.
8	Identification, examination and description of Red patch.
9	Identification, examination and description of Ulcer.
10	Identification, examination and description of Swelling
11	Making a D/D list for a given special case
12	Making IOPA
13	Making Bitewing
14	Making occlusal
15	Processing Radiograph

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Post Graduate

Sl. No	Name of clinical / laboratory skills model
1	Case History- Pulp and periapical diseases
2	Examination of TMJ,
3	Examination of Salivary glands
4	Examination of Lymphnodes
5	Extraoral examination
6	Intraoral examination
	Examination of soft tissues of oral cavity
7	Identification, examination and description of White patch.
8	Identification, examination and description of Red patch.
9	Identification, examination and description of Ulcer.
10	Identification, examination and description of Swelling
11	Identification, examination and description of Vesiculobullous lesions
12	Identification, examination and description of Cysts of the jaw
13	Identification, examination and description of Salivary gland disorders
14	Identification, examination and description of TMJ disorders
15	Identification, examination and description of Orofacial pain
16	Identification, examination and description of pigmented lesions
\17	Identification, examination and description of malignant lesions
18	Making a D/D list for a given special case
19	Vitality testing
20	Cytology Smear
21	Incisional Biopsy
22	Excisional Biopsy
23	Punch Biopsy
24	Making IOPA
25	Making Bitewing
26	Making occlusal
27	Making OPG
28	Making Lateral Cephalogram
29	Making lateral skull/PA skull/AP skull
30	Making SMV
31	Making Reverse towns
32	Making Chest Radiograph
33	Making PNS view
34	Puffed Cheek PNS
35	TMJ Tomography
36	TMJ –Traanscranial/Transorbital/Transpharyngeal
37	Processing Radiograph both Intraoral/Extraoral
38	Teaching Skills (Lecture for UG, Seminar, Case presentations)

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IMPLANTOLOGY

Implant Skill Models

1. Dummy Models for Implant Placement
2. Indirect Sinus elevation models with Bone grafts
3. Indirect Sinus Lift procedure with Bone graft placed
4. Newer Technique of Indirect Sinus Lift Procedure
5. Implant Surgical Guide Stent

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DEPARTMENT OF PUBLIC HEALTH DENTISTRY

List of Health Education Model:

1. Materials and instruments used for restoration of the tooth
2. Materials used for before starting surgical procedure in dentistry
3. Waste disposal
4. Fluoride delivery methods
5. Uses of color coded bins
6. Angulation of impacted teeth
7. Progression of caries
8. School dental health program
9. Mandibular fracture and treatment
10. Prosthodontic materials used in dentistry
11. Discoloration of teeth and their treatment
12. Habit breaking appliance
13. What is dental plaque and its treatment
14. Materials used for restoration of the teeth
15. Orthodontic treatment
16. Placement of denture in oral cavity

The equipments used in Public Health Dentistry for the students are:

1. Health Education booklets:
   The students prepare the health education booklets in their final year postings and in their internship they carry the booklets in the school and colleges camps for explaining the details about the oral health .
2. Health Education Models:
   Students prepare the Health Education Models in subgroups and present it in front of staff and explain to the patients about the importance of oral health.
3. Tooth Brushing Models:
   Students demonstrate the brushing techniques and importance of tooth brushing practically to the patients and in the camps to the school children.

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2.3.2: Use of Clinical Skills Laboratory / Simulation Based Learning:

Point 1. List of clinical / laboratory skills models/facilities

Sl. no.	Name of clinical / laboratory skills model	2017-18	2018-19	2019-20	2020-21	2021-22
1.	Health Education Models	4	4	3	1	-
2.	Health Education Materials	10	6	-	6	-
3.	Tooth Brushing Demonstration Model	3	3	3	3	3

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DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

LIST OF MODELS

MODLES FOR BLS/CPR TRAINING (BASIC LIFE SUPPORT)

1. Prestan adult manikin with indicatior (half body)
2. Laedral adult manikin (half body)
3. Laedral little anne q CPR
4. Laedral little junior q CPR
5. Laedral skill guide
6. AED trainer
7. Face shield pack
8. Pocket mask
9. Lung bag
10. Filter
11. CPR masks

Point 1. List of clinical / laboratory skills models/facilities

S.No.	Name of clinical/laboratory skill model	2017-18	2018-19	2019-20	2020-21	2021-22
1	Adult CPR manikin	1	1	1	1	1
2	Child CPR manikin	1	1	1	1	1
3	Infant CPR manikin	1	1	1	1	1
4	AED model	1	1	1	1	1
5	Venti mask					

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DEPARTMENT OF PROSTHODONTICS CROWN AND BRIDGE

LIST OF MODELS

MODELS OF STEPS IN FABRICATION OF COMPLETE DENTURE

1. Models Of Maxillary And Mandibular Cast To Study The Analytical Landmarks.
2. Models Of Various Spacer Design.
   a. Boucher's spacer design
   b. Morro, Rudd and Rhoads spacer design
   c. J.J Sharry's designs
   d. Shelden's spacer design
   e. Neil's spacer design.
   f. I and T spacer design.

3. Models Of Maxillary And Mandibular Cast With Self Cure Resin Custom Trays.
4. Models Of Maxillary And Mandibular Cast With Shellac Temporary Record Base.
5. Models Of Maxillary And Mandibular Cast With Occlusal Rims Fabricated.
6. MODELS OF COMPLETE DENTURE
   a. Class 1
   b. Class 2
   c. Class 3
   d. Dentogenic complete denture

MODELS OF CAST PARTIAL DENTURE

1. Models of wax pattern fabrication for
   a. Kennedy's class 1
   b. Kennedy's Class 2
   c. Kennedy's Class 3
   d. Kennedy's Class 4

2. **MODELS OF CAST PARTIAL DENTURE FABRICATED**
   a. Kennedy's class 1
   b. Kennedy's Class 2
   c. Kennedy's Class 3
   d. Kennedy's Class 4

MODELS OF FIXED PARTIAL DENTURE

a. Models of maxillary and mandibular dentulous cast with 3 unit FPD. (Wax pattern).
b. Models of maxillary and mandibular dentulous cast with single unit metal crown.
c. Models of maxillary and mandibular dentulous cast with 3 unit FPD. (Metal)
d. Model of maxillary dentulous cast with 3/4 restoration.
e. Model of maxillary dentulous cast with 7/8 restoration.
f. Models Depicting Die And Die System
g. Maxillary Dentulous Model with Anterior All Ceramic Restoration.
h. Models Of Maxillary And Mandibular Dentulous Cast With 3 Unit FPD (PFM Restoration)

MAXILLARY AND MANDIBULAR MODELS SHOWING PONTICS DESIGN

1. Modified ridge lap
2. Conical

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3. Sanitary pontics
4. Modified sanitary pontics
5. Spheroidal pontics

MODELS OF IMPLANT DENTISTRY

1. Guided acrylic stands.
2. Guided surgical stands.
3. Guided stand with crowns.
4. MODELS DEPICTING INDIRECT SINUS LIFT PROCEDURE.
5. MODEL DEPICTING HYDRAULIC TECHNIQUE.
6. MODEL SHOWING SURFACE MODIFICATIONS OF IMPLANTS.

MODES OF MAXILLOFACIAL PROSTHESIS

a. Wax pattern of ear prosthesis.
b. Wax pattern of finger prosthesis.
c. Wax pattern of eye prosthesis.
d. Wax pattern of nose prosthesis.
e. Model depicting blinking of eye prosthesis.
f. Maxillary cast with palatal defect.
g. Maxillary hollow bulb obturators.
h. Maxillary palatal obturators.
i. Velopharyngeal appliance.
j. Open bulb obturator.

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS

LIST OF MODELS AND SPECIMEN

CLINICAL SKILL MODEL ON PLASTER MODELS

1. Class I Cavity Preparation For Amalgam And Restoration With Modelling Wax.
2. Class II Cavity Preparation for Amalgam and Restoration with Modelling Wax.
3. Class I Cavity Preparation For Amalgam With Buccal Extension And Restoration With Modelling Wax.
4. MOD Cavity Preparation For Amalgam With And Restoration With Modelling Wax.
5. Class III Cavity Preparation for Composite
6. Class 5 Cavity Preparation for GIC

CLINICAL SKILL MODEL ON EXTRACTED TEETH

1. Class I Cavity Preparation, base application and Amalgam RESTORATION
2. Class Ii Cavity Preparation, base application and Amalgam RESTORATION
3. Class I Cavity Preparation For Amalgam With Buccal Extension And Restoration
4. MOD Cavity Preparation for Amalgam with And Restoration
5. Class III Cavity Preparation for Composite
6. Class 5 Cavity Preparation for GIC
7. Class I Cavity Preparation For inlay
8. Class II Cavity Preparation For inlay

EXERCISES ON TYPHODONT TEETH

1. Class I Cavity Preparation, base application and Amalgam RESTORATION
2. Class II Cavity Preparation, base application and Amalgam RESTORATION
3. Class I Cavity Preparation for Amalgam with Buccal Extension And Restoration
4. MOD Cavity Preparation for Amalgam With And Restoration

5.Class I Cavity Preparation For inlay

8. Class II Cavity Preparation For inlay

CLINICAL SKILL MODEL OF INDIRECT RESTORATIONS ON EXTRACTED TEETH

1. Class II (MO,, DO,MOD) Inlay preparation on extracted teeth

Preparation for Cusp capping

1. Onlay preparation

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2. Wax pattern fabrication (Class II premolar &molar, MOD, cusp capping,onlay)

3. Casting (Class II premolar &molar, MOD,cusp capping ,onlay)

CLINICAL SKILL MODEL OF COMPOSITE INLAY

1. Tooth Preparation for composite inlay in extracted teeth

2. Fabrication of composite inlay

CLINICAL SKILL MODEL OF CROWN PREPARATION

1. All ceramic anterior maxillary and mandibular crown preparations

2. All ceramic posterior maxillary and mandibular crown preparations

3.7/8 crown on molars

4.¾ crown on premolars

CLINICAL SKILL MODEL FOR VENEER PREPARATION

1. Maxillary and Mandibular Anterior teeth veneer preparation

CLINICAL SKILL MODEL FOR POST AND CORE

1. Preparation of post space and core build up for anterior teeth

2. Preparation of post space and core build up for posterior teeth

3. Wax pattern fabrication

4. Casting fabrication

CLINICAL SKILL MODEL FOR WAX CARVINGS

1. Maxillary and Mandibular anterior teeth

2. Maxillary and Mandibular premolar teeth

3. Maxillary and Mandibular molar teeth

CLINICAL SKILL MODEL FOR ROOT CANAL TREATMENT

1. Access cavity preparation for Maxillary &Mandibular anterior teeth

2. Access cavity preparation for Maxillary &Mandibular premolar teeth

3. Access cavity preparation for Maxillary &Mandibular molar teeth

4. Working length and biomechanical preparation of Maxillary &Mandibular anterior teeth

5. Working length and biomechanical preparation of Maxillary &Mandibular premolar teeth

6. Working length and biomechanical preparation for Maxillary &Mandibular molar teeth

7. Obturation of Maxillary &Mandibular anterior teeth

8. Obturation of Maxillary &Mandibular Maxillary &Mandibular premolar teeth

9. Obturation of Maxillary &Mandibular Maxillary &Mandibular molar teeth

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

CLINICAL SKILL MODEL FOR WAX CARVINGS

- Carving of maxillary & mandibular deciduous teeth

CLINICAL SKILL MODEL ON EXTRACTED TOOTH FOR ENDODONTIC PROCEDURES.

Access cavity preparation on extracted deciduous teeth

- Location of canals
- Obturation technique

CLINICAL SKILL MODEL ON EXTRACTED TOOTH

- Preparation of class II cavity
- Preparation of class II cavity (MOD)
- Preparation of class II cavity with palatal extension.
- Preparation of post & core

CLINICAL SKILL MODEL ON TYPHODONT TEETH

- Preparation of tooth for stainless steel crown adaptation maxillary & mandibular teeth.

CLINICAL SKILL MODEL ON CAST

- Suturing techniques done on mackintosh sheet & adapted on cast.
- Unilateral functional space maintainer
- Unilateral non functional space maintainer
- Bilateral functional space maintainer
- Bilateral non functional space maintainer
- Nance holding arch
- Lingual arch
- Maynes modification
- Band & loop (short & long)
- Distal shoe
- Transpalatal arch
- Nance holding arch
- Hawleys modification with helical space regainer
- Sling shot appliance
- Blue grass appliance
- Palatal crib

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- Triple loop connector
- Oral screen
- Fixed lip bumper
- Tongue crib
- Double oral screen
- Quad helix
- Palatal canine retractor
- Twin block
- Activator
- Catalans appliance
- C clasp
- Adams clasp with single arrow head
- Triangular clasp
- Finger spring
- Double cantilever
- Palatal canine retractor
- Helical canine retractor
- Maxillary expansion screw.

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DEPARTMENT OF ORTHODONTICS

LIST OF MODELS

ORTHODONTIC SPECIMENS AND MODELS

1. **Wire Bending Specimen**
   a. Straight wire
   b. Equilateral triangle
   c. Square
   d. Circle
   e. U Loop
   f. V Loop
   g. Adam's Clasp and its modifications
   h. C Clasps
   i. Jackson's Clasp
   j. Z springs
   k. Finger Springs
   l. T Springs
   m. Short Labial Bow
   n. Long Labial Bow
   o. Reverse Loop Labial Bow
   p. Roberts Retractor
   q. Buccal canine retractor
   r. U Loop canine retractor
   s. Reverse Loop canine Retractor
   t. Palatal Canine Retractor

2. **Appliance specimen**
   a. Hawleys Appliance
   b. Tongue crib Appliance
   c. Oral Screen
   d. Lower inclined Plane
   e. Activator
   f. Bionator
   g. Twin Block
   h. Frankel Appliance
   i. Quad Helix
   j. Pendulum Appliance
   k. Transpalatal Arch
   l. Nance Palatal Arch

3. **Models depicting**
   a. Class I Malocclusion
   b. Class II Malocclusion
   c. Class III Malocclusion

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DEPARTMENT OF PERIODONTOLOGY

PRE- CLINICAL EXERCISE CURRICULUM

1. Suturing on models.
2. Suturing on resin sheets.
3. Acrylic splinting
4. Wire splinting
5. Demonstration of Local anaesthetic procedures.
6. Demonstration of arrangement of the surgical tray.
7. Sterilization and disinfection protocols
8. Donning and doffing of the surgical gown.
9. Identification of anatomical landmarks of maxilla and mandible
10. Identification of instruments
11. Demonstration of Incisions.
12. Class II cavity preparation on typodonts
13. Crown preparation on typodonts.
14. Fabrication of stents.
15. Pre-clinical exercise on Egg using piezo surgical unit.

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DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

LIST OF MODELS AND SPECIMEN

DENTAL ANATOMY SPECIMEN AND CAST

1. **Tooth specimen for understanding normal anatomy**
   a. **Deciduous Human extracted teeth**
      i. Maxillary Central incisor
      ii. Maxillary lateral incisor
      iii. Maxillary canine
      iv. Maxillary first molar
      v. Maxillary second molar
      vi. Mandibular central incisor
      vii. Mandibular lateral incisor
      viii. Mandibular first molar
      ix. Mandibular second molar
   b. **Permanent Human extracted teeth**
      i. Maxillary central incisor
      ii. Maxillary lateral incisor
      iii. Maxillary canine
      iv. Maxillary 1st and 2nd Premolar
      v. Maxillary 1st , 2nd, and 3rd Molar
      vi. Mandibular central incisor
      vii. Mandibular lateral incisor
      viii. Mandibular canine
      ix. Mandibular 1st and 2nd Premolar
      x. Mandibular 1st , 2nd, and 3rd Molar

2. **Cast specimen for age estimation**
   a. Maxillary deciduous dentition cast
   b. Mandibular deciduous dentition cast
   c. Maxillary Mixed dentition cast
   d. Mandibular mixed dentition cast
   e. Maxillary permanent dentition cast
   f. Maxillary permanent dentition cast

3. **Models showing**
   a. Histology of skin
   b. Development of tongue
   c. Wax carving of permanent dentition (Maxillary and Mandibular dentition)
   d. Pharyngeal arches
   e. Structure of tooth
   f. Cemento-enamel junction

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DEPARTMENT OF ORAL PATHOLOGY AND MICROBIOLOGY

LIST OF MODELS AND SPECIMEN

DENTAL ANATOMY SPECIMEN AND CAST

1. **Tooth specimen for understanding normal anatomy**
   a. **Deciduous Human extracted teeth**
      i. Maxillary Central incisor
      ii. Maxillary lateral incisor
      iii. Maxillary canine
      iv. Maxillary first molar
      v. Maxillary second molar
      vi. Mandibular central incisor
      vii. Mandibular lateral incisor
      viii. Mandibular first molar
      ix. Mandibular second molar
   b. **Permanent Human extracted teeth**
      i. Maxillary central incisor
      ii. Maxillary lateral incisor
      iii. Maxillary canine
      iv. Maxillary 1st and 2nd Premolar
      v. Maxillary 1st , 2nd, and 3rd Molar
      vi. Mandibular central incisor
      vii. Mandibular lateral incisor
      viii. Mandibular canine
      ix. Mandibular 1st and 2nd Premolar
      x. Mandibular 1st , 2nd, and 3rd Molar

2. **Cast specimen for age estimation**
   a. Maxillary deciduous dentition cast
   b. Mandibular deciduous dentition cast
   c. Maxillary Mixed dentition cast
   d. Mandibular mixed dentition cast
   e. Maxillary permanent dentition cast
   f. Maxillary permanent dentition cast

3. **Models showing**
   a. Histology of skin
   b. Development of tongue
   c. Wax carving of permanent dentition (Maxillary and Mandibular dentition)
   d. Pharyngeal arches
   e. Structure of tooth
   f. Cemento-enamel junction

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ORAL PATHOLOGY SPECIMENS AND MODELS

1. **Tooth Specimen**
   a. Tooth specimen showing various types of dental caries involving crown and root
   b. Tooth specimen showing various physiological and pathological wearing of the tooth

(Attrition, abrasion and erosion)

   c. Taurodontism
   d. Talons cusp
   e. Dens evaginatus
   f. Dens in dentin
   g. Concrescence
   h. Dilacerations
   i. Ankylosis
   j. Supernumerary root
   k. Supernumerary teeth
   l. Macrodontia
   m. Microdontia
   n. Turners hypoplasia
   o. Fusion
   p. Root development cut section- TS and LS
   q. Long root of canine
   r. Cemetoma
   s. Odontoma

2. **Cast specimen**
   a. Talons cusp
   b. Fusion
   c. Gemination
   d. Supernumerary teeth
   e. Paramolar
   f. Distomolar
   g. Mesiodens
   h. Microdontia- peg laterals
   i. Talons cusp
   j. Dens evaginatus
   k. Cleft alveolus
   l. Cleft slveolus andcleft palate
   m. Anadondia
   n. Partial anadontia
   o. Crowding of the teeth
   p. Dental caries

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3. **Models depicting**
   a. Gingival pathology
   b. Tongue pathology
   c. Histologial transition from normal to carcinomatous changes in oral mucosa
   d. Shedding
   e. Cleft lip and palate
   f. Model showing sequel of dental caries
   g. Comparative anatomy model:
      Fish, Buffalo, goat and dog Skull

4. Soft tissue specimen
   a. Periapical granuloma
   b. Cementoma
   c. Fibrous hyperplasia
   d. Oral squamous cell carcinoma- hemimandibulectomy specimen
   e. Odotogenic cyst and tumor resected specimen
   f. RND specimen
   g. Basal Cell carcinoma
   h. Ameloblastoma of the mandible

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DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

2.3.2: Use of Clinical Skills Laboratory / Simulation Based Learning:

IIIrd BDS

Point 1. List of clinical / laboratory skills models/facilities

Sl. no.	Name of clinical / laboratory skills model	2017-18	2018-19	2019-20	2020-21	2021-22
1	Case History- Pulp and periapical diseases	✓	✓	✓	✓	✓
2	Examination of TMJ,	✓	✓	✓	✓	✓
3	Examination of Salivary glands	✓	✓	✓	✓	✓
4	Examination of Lymphnodes	✓	✓	✓	✓	✓
5	Extraoral examination	✓	✓	✓	✓	✓
6	Intraoral examination	✓	✓	✓	✓	✓
7	Making IOPA	✓	✓	✓	✓	✓
8	Processing Radiograph	✓	✓	✓	✓	✓

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IV BDS

Point 1. List of clinical / laboratory skills models/facilities

Sl. no.	Name of clinical / laboratory skills model	2017-18	2018-19	2019-20	2020-21	2021-22
1	Case History- Pulp and periapical diseases	✓	✓	✓	✓	✓
2	Examination of TMJ,	✓	✓	✓	✓	✓
3	Examination of Salivary glands	✓	✓	✓	✓	✓
4	Examination of Lymphnodes	✓	✓	✓	✓	✓
5	Extraoral examination	✓	✓	✓	✓	✓
6	Intraoral examination	✓	✓	✓	✓	✓
	Examination of soft tissues of oral cavity	✓	✓	✓	✓	✓
7	Identification, examination and description of White patch.	✓	✓	✓	✓	✓
8	Identification, examination and description of Red patch.	✓	✓	✓	✓	✓
9	Identification, examination and description of Ulcer.	✓	✓	✓	✓	✓.
10	Identification, examination and description of Swelling	✓	✓	✓	✓	✓
11	Making a D/D list for a given special case	✓	✓	✓	✓	✓
12	Making IOPA	✓	✓	✓	✓	✓
13	Making Bitewing	✓	✓	✓	✓	✓
14	Making occlusal	✓	✓	✓	✓	✓
15	Processing Radiograph	✓	✓	✓	✓	✓

INTERNS

Point 2. List of Training programs conducted by the department;

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
1	Tobacco Deaddiction	✓	✓	✓	✓	✓

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PG

Point 1. List of clinical / laboratory skills models/facilities

S. no.	Name of clinical / laboratory skills model	2017-18	2018-19	2019-20	2020-21	2021-22
1	Case History- Pulp and periapical diseases	✓	✓	✓	✓	✓
2	Examination of TMJ,	✓	✓	✓	✓	✓
3	Examination of Salivary glands	✓	✓	✓	✓	✓
4	Examination of Lymphnodes	✓	✓	✓	✓	✓
5	Extraoral examination	✓	✓	✓	✓	✓
6	Intraoral examination	✓	✓	✓	✓	✓
	Examination of soft tissues of oral cavity	✓	✓	✓	✓	✓
7	Identification, examination and description of White patch.	✓	✓	✓	✓	✓
8	Identification, examination and description of Red patch.	✓	✓	✓	✓	✓
9	Identification, examination and description of Ulcer.	✓	✓	✓	✓	✓
10	Identification, examination and description of Swelling	✓	✓	✓	✓	✓
11	Identification, examination and description of Vesiculobullous lesions	✓	✓	✓	✓	✓
12	Identification, examination and description of Cysts of the jaw	✓	✓	✓	✓	✓
13	-Identification, examination and description of Salivary gland disorders	✓	✓	✓	✓	✓
14	Identification, examination and description of TMJ disorders	✓	✓	✓	✓	✓
15	Identification, examination and description of Orofacial pain	✓	✓	✓	✓	✓
16	Identification, examination and description of pigmented lesions	✓	✓	✓	✓	✓
\17	Identification, examination and description of malignant lesions	✓	✓	✓	✓	✓
18	Making a D/D list for a given special case	✓	✓	✓	✓	✓
19	Vitality testing	✓	✓	✓	✓	✓
20	Cytology Smear	✓	✓	✓	✓	✓
21	Incisional Biopsy	✓	✓	✓	✓	✓
22	Excisional Biopsy	✓	✓	✓	✓	✓
23	Punch Biopsy	✓	✓	✓	✓	✓
24	Making IOPA	✓	✓	✓	✓	✓
25	Making Bitewing	✓	✓	✓	✓	✓
26	Making occlusal	✓	✓	✓	✓	✓
27	Making OPG	✓	✓	✓	✓	✓

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28	Making Lateral Cephalogram	✓	✓	✓	✓	✓
29	Making lateral skull/PA skull/AP skull	✓	✓	✓	✓	✓
30	Making SMV	✓	✓	✓	✓	✓
31	Making Reverse towns	✓	✓	✓	✓	✓
32	Making Chest Radiograph	✓	✓	✓	✓	✓
33	Making PNS view	✓	✓	✓	✓	✓
34	Puffed Cheek PNS	✓	✓	✓	✓	✓
35	TMJ Tomography	✓	✓	✓	✓	✓
36	TMJ – Traanscranial/Transorbital/Transpharyngeal	✓	✓	✓	✓	✓
37	Processing Radiograph both Intraoral/Extraoral	✓	✓	✓	✓	✓
38	Teaching Skills (Lecture for UG, Seminar, Case presentations)	✓	✓	✓	✓	✓

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LIST OF TRAINING PROGRAMMES CONDUCTED BY DEPARTMENTS

PUBLIC HEALTH DENTISTRY

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
1	Research Methodology By conducting Dissertation/short studies	✓	✓	✓	✓	✓
2	Tobacco Deaddiction	✓	✓	✓	✓	✓
3	Age estimation	✓	✓	✓	✓	✓
4	anatomical landmark tracing	✓	✓	✓	✓	✓
5	Scientific paper and poster presentation skills	✓	✓	✓	✓	✓
6	Literature review by doing Library Dissertation	✓	✓	✓	✓	✓
7	Critiquing a scientific article by Journal club Presentation	✓	✓	✓	✓	✓

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ORAL & MAXILLOFACIAL SURGERY

IV BDS CLINICALS

S.No	TOPIC	MODE OF TEACHING
1	Trans alveolar extractions- discussions	Discussion and assisting
2	Case presentations	Discussions
3	Wiring on models	Discussion and demonstration
4	Case discussions - chair side	Discussion
5	Assisting in minor and major surgeries	Performance
6	Intra muscular injections	Performance
7	Dressings	Performance

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III BDS CLINICALS

S.No	TOPIC	MODE OF TEACHING
1	Gross and clinical anatomy of trigeminal nerve	Discussion
2	Local anaesthesia	Discussion
	-Definition	
	-Ideal properties	
	-Theories of mechanism of action	
	-Composition	
	-Classification	
	-Mode of action	
	-Complications	
3	Nerve blocks- Trigeminal nerve	Discussion and Demonstration
4	Exodontia	Discussion and Demonstration
	-Principles	
	-Indications and contraindication	
	-Intra-alveolar extraction	
	-Complications	
5	Suturing on models	Discussion and Demonstration
6	Intra muscular injections	Discussion and Demonstration

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ORAL & MAXILLOFACIAL SURGERY

IV BDS CLINICALS

S.No	TOPIC	MODE OF TEACHING
1	Trans alveolar extractions- discussions	Discussion and assisting
2	Case presentations	Discussions
3	Wiring on models	Discussion and demonstration
4	Case discussions - chair side	Discussion
5	Assisting in minor and major surgeries	Performance
6	Intra muscular injections	Performance
7	Dressings	Performance

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III BDS CLINICALS

S.No	TOPIC	MODE OF TEACHING
1	Gross and clinical anatomy of trigeminal nerve	Discussion
2	Local anaesthesia	Discussion
	-Definition	
	-Ideal properties	
	-Theories of mechanism of action	
	-Composition	
	-Classification	
	-Mode of action	
	-Complications	
3	Nerve blocks- Trigeminal nerve	Discussion and Demonstration
4	Exodontia	Discussion and Demonstration
	-Principles	
	-Indications and contraindication	
	-Intra-alveolar extraction	
	-Complications	
5	Suturing on models	Discussion and Demonstration
6	Intra muscular injections	Discussion and Demonstration

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INTERNEES CLINICAL WORKS AND DUTIES

S.No	WORK/DUTY
1	OPD work
2	Exodontia
3	Assisting in minor and major cases
4	Recovery room duties – Day and Night
5	Ward postings and ward works – Day and Night

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PROSTHODONTICS, CROWN & BRIDGE

SL NO.	DETAIL OF THE LABORATORY WORK	2017-18	2018-19	2019-20	2020-21	2021-22
I BDS	**DENTAL MATERIALS**	✓	✓	✓	✓	✓
	Manipulation of dental plaster	✓	✓	✓	✓	✓
	Manipulation of dental stone	✓	✓	✓	✓	✓
	Plaster cubes 1''	✓	✓	✓	✓	✓
	Manipulation of impression compound	✓	✓	✓	✓	✓
	PRECLINICAL PROSTHODONTICS					
	Impression of metal die with impression compound	✓	✓	✓	✓	✓
	Beading and boxing	✓	✓	✓	✓	✓
	Cast pouring	✓	✓	✓	✓	✓
	Designing of spacer	✓	✓	✓	✓	✓
	Fabrication of custom tray	✓	✓	✓	✓	✓
II BDS	**DENTAL MATERIALS**					
	Manipulation of alginate & pouring the cast	✓	✓	✓	✓	✓
	Manipulation of ZOE impression paste & pouring of cast	✓	✓	✓	✓	✓
	Demonstration of manipulation of elastomeric impression materials	✓	✓	✓	✓	✓
	Manipulation of self polymerizing resin	✓	✓	✓	✓	✓
	Manipulation of heat polymerizing resin	✓	✓	✓	✓	✓
	PRECLINICAL PROSTHODONTICS					
	Fabrication of heat polymerizing resin record base	✓	✓	✓	✓	✓
	Fabrication of self polymerizing resin record base	✓	✓	✓	✓	✓
	Fabrication of Occlusal rims	✓	✓	✓	✓	✓
	Mounting of casts on mean value articulator	✓	✓	✓	✓	✓
	Class I teeth arrangement	✓	✓	✓	✓	✓
	Wax-up	✓	✓	✓	✓	✓
	Acrylization of class I denture	✓	✓	✓	✓	✓

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CLINICAL WORK FOR UNDERGRADUATES

SL NO.	DETAIL OF THE CLINICAL WORK	2017-18	2018-19	2019-20	2020-21	2021-22
	TREATMENT PARTIAL DENTURES					
III BDS	1) Primary impression	✓	✓	✓	✓	✓
	2) Pouring of impression	✓	✓	✓	✓	✓
	3) Fabrication of custom tray	✓	✓	✓	✓	✓
	4) Border molding and secondary impression	✓	✓	✓	✓	✓
	5) Jaw relation	✓	✓	✓	✓	✓
	6) Denture try in	✓	✓	✓	✓	✓
	7) Acrylization of denture	✓	✓	✓	✓	✓
	8) RPD insertion	✓	✓	✓	✓	✓
	COMPLETE DENTURES					
	1) Primary impression	✓	✓	✓	✓	✓
	2) Beading and boxing Pouring of impression	✓	✓	✓	✓	✓
	3) Spacer design	✓	✓	✓	✓	✓
	4) Fabrication of custom tray	✓	✓	✓	✓	✓
	5) Border molding and secondary impression	✓	✓	✓	✓	✓
	6) Fabrication of record bases and occlusal rims	✓	✓	✓	✓	✓
	7) Record of maxillo mandibular relation	✓	✓	✓	✓	✓
	8) Denture try in	✓	✓	✓	✓	✓
	9) Acrylization of denture					
	TREATMENT PARTIAL DENTURES					
IV BDS	1) Primary impression	✓	✓	✓	✓	✓
	2) Pouring of impression	✓	✓	✓	✓	✓
	3) Fabrication of custom tray	✓	✓	✓	✓	✓
	4) Border molding and secondary impression	✓	✓	✓	✓	✓
	5) Jaw relation	✓	✓	✓	✓	✓
	6) Denture try in	✓	✓	✓	✓	✓
	7) Acrylization of denture	✓	✓	✓	✓	✓
	8) RPD insertion	✓	✓	✓	✓	✓
	COMPLETE DENTURES					
	1) Primary impression	✓	✓	✓	✓	✓
	2) Beading and boxing 3) Pouring of impression	✓	✓	✓	✓	✓
	4) Spacer design	✓	✓	✓	✓	✓
	5) Fabrication of custom tray	✓	✓	✓	✓	✓
	6) Border molding and secondary impression	✓	✓	✓	✓	✓
	7) Fabrication of record bases and occlusal rims	✓	✓	✓	✓	✓
	8) Record of maxillo mandibular relation	✓	✓	✓	✓	✓
	Denture try in	✓	✓	✓	✓	✓
	Cast partial denture designing	✓	✓	✓	✓	✓
	Surveying	✓	✓	✓	✓	✓
	Tooth preparation (10)	✓	✓	✓	✓	✓

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LABORATORY WORK FOR POSTGRADUATES

YEAR	DETAIL OF THE LABORATORY WORK DONE	2017-18	2018-19	2019-20	2020-21	2021-22
I MDS	**COMPLETE DENTURE**					
	1. Arrangements in adjustable articulator for	✓	✓	✓	✓	✓
	a. Class I	✓	✓	✓	✓	✓
	b. Class II	✓	✓	✓	✓	✓
	c. Class III	✓	✓	✓	✓	✓
	d. Cross bite	✓	✓	✓	✓	✓
	2. Processing of characterized anatomical denture	✓	✓	✓	✓	✓
	REMOVABLE PARTIAL DENTURE					
	1. Design for Kennedy's Classification (Survey , block out design)	✓	✓	✓	✓	✓
	a. Class I	✓	✓	✓	✓	✓
	b. Class II	✓	✓	✓	✓	✓
	c. Class III	✓	✓	✓	✓	✓
	d. Class IV	✓	✓	✓	✓	✓
	2. Designing of various components of RPD	✓	✓	✓	✓	✓
	3. Wax pattern on refractory cast	✓	✓	✓	✓	✓
	a. Class I	✓	✓	✓	✓	✓
	b. Class II	✓	✓	✓	✓	✓
	c. Class III	✓	✓	✓	✓	✓
	d. Class IV	✓	✓	✓	✓	✓
	4. Casting and finishing metal frameworks	✓	✓	✓	✓	✓
	FIXED PARTIAL DENTURE					
	1. FVC for metal	✓	✓	✓	✓	✓
	2. FVC for ceramic	✓	✓	✓	✓	✓
	3. Porcelain jacket crown	✓	✓	✓	✓	✓
	4. PFM crown	✓	✓	✓	✓	✓
	5. 3/4th (canine, premolar and central)	✓	✓	✓	✓	✓
	6. 7/8th posterior	✓	✓	✓	✓	✓
	7. Proximal half crown	✓	✓	✓	✓	✓
	II. Preparation of different die system	✓	✓	✓	✓	✓
	III. Fabrication of wax pattern by drop wax build up technique	✓	✓	✓	✓	✓
	1. Wax in increments to produce wax coping over dies of teeth preparations on substructures.	✓	✓	✓	✓	✓
	2. Wax additive technique	✓	✓	✓	✓	✓
	3. 3-unit wax pattern (maxillary and Mandibular)	✓	✓	✓	✓	✓
	IV. Fabrication of metal framework					
	1. Full metal bridge for posterior (3 units)	✓	✓	✓	✓	✓
	2. Coping for anterior (1 unit)	✓	✓	✓	✓	✓
	IX. Maxillofacial Prosthesis					
	1. Eye	✓	✓	✓	✓	✓
	2. Ear	✓	✓	✓	✓	✓
	3. Finger Prosthesis	✓	✓	✓	✓	✓
	4. Obturator	✓	✓	✓	✓	✓

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DEPT OF PROSTHODONTICS CROWN AND BRIDGE

For IIIrd BDS Students

1) **Impression making of dentulous arch**

S.No	PROCEDURE	YES	NO
1)	Selection of proper armamentarium		
2)	Selection of Maxillary Tray		
3)	Selection of Mandibular Tray		
4)	Assessment of water powder ratio of the Impression material		
5)	Manipulation of the impression material		
6)	Consistency of the mixed impression material		
7)	Loading of the impression tray		
8)	Position of the Patient and the operator for impression making		
9)	Assessment of the made impressions for maxillary and mandibular arches		
10	Disinfection of the impression material		

DEPT OF PROSTHODONTICS CROWN AND BRIDGE

OSCE/OSPE

For II nd BDS Students (Pre Clinical Prosthodontics)

S.No	PROCEDURE	YES	NO
1)	Preparation of Maxillary and mandibular edentulous casts in dental stone with keyways		
2)	Adaptation of baseplates		
3)	Preparation of occlusal rims		
4)	Sealing of Maxillary and mandibular Occlusal rims in class I relation and mounting		
5)	Arrangement of Maxillary anterior teeth		
6)	Arrangement of Mandibular anterior teeth		
7)	Arrangement of Maxillary posterior teeth		
8)	Arrangement of mandibular posterior teeth		
9)	Wax up and carving		
10	Time management		

For II nd BDS Students (Dental Materials)

1) **Manipulation of impression compound and Primary Impression making**

S.no	PROCEDURE	YES	NO
1	Selection of armamentarium		
2	Selection of stock tray		
3	Manipulation of impression compound		
4	Loading of Stock tray		
5	Impression making		
6	Whether the of recorded primary impression is appropriate		

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1) **Primary Impression Making**

S.no	PROCEDURE	YES	NO
1	Selection of proper armamentarium		
2	Selection of Maxillary Tray		
3	Selection of Mandibular Tray		
4	Selection of appropriate impression material		
5	Proper Manipulation of material		
6	Proper Loading of impression tray		
7	Position of the Patient and the operator for maxillary impression making		
8	Position of the Patient and the operator for mandibular impression making		
9	Whether Impressions made for maxillary and Mandibular arch are correct		
10	Disinfection of Impression made		

2) **Secondary Impression Making**

S.no	PROCEDURE	YES	NO
1	Selection of proper armamentarium		
2	Intra oral adjustment of the maxillary custom Tray		
3	Intra oral adjustment of the mandibular custom Tray		
4	Position of the Patient and the operator for maxillary impression making		
5	Position of the Patient and the operator for mandibular impression making		
6	Whether the border molding was done correct		
7	Selection of appropriate impression material for secondary Impression making		
8	Correct Manipulation of Selected impression material		
9	Whether Impressions made for maxillary and Mandibular arch are correct		
10	Disinfection of Impression made		

3) **Jaw Relation**

S.no	PROCEDURE	YES	NO
1	Selection of proper armamentarium		
2	If Occlusal Rims for maxillary arches were fabricated properly		
3	If Occlusal Rims for mandibular arches were fabricated properly		
4	Whether maxillary rim was oriented to the plane of Orientation		
5	Correction orientation of mandibular occlusal rims		
6	Whether VDR was recorded		
7	Whether VDR was recorded		
8	Whether Freeway Space was assessed		
9	Method of recording centric relation		
10	Registration of Maxillo-mandibular relation		

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2) **Preparation of Primary cast of Maxillary and Mandibular impression**

S.no	PROCEDURE	YES	NO
1	Selection of armamentarium		
2	Beading of Maxillary and Mandibular impression		
3	Boxing of Maxillary and Mandibular impression		
4	Whether adequate Water powder ration was used		
5	Manipulation of Plaster of Paris		
6	Whether mix was of appropriate consistency		
7	Whether mix was of appropriate cons		

3) **Manipulation of Zinc oxide Eugenol Impression Paste**

S.no	PROCEDURE	YES	NO
1	Selection of armamentarium		
2	Dispensing proper length of the impression paste		
3	Manipulation of the impression paste		
4	Adequate time for mixing		
5	Whether impression taken was appropriate		

4) **Manipulation of Alginate Impression**

S.no	PROCEDURE	YES	NO
1	Selection of proper armamentarium		
2	Selection of Maxillary Tray		
3	Selection of Mandibular Tray		
4	Assessment of water powder ratio of the Impression material		
5	Manipulation of the impression material		
6	Consistency of the mixed impression material		
7	Whether final impression made was correct		

5) **Manipulation of Rubber Based Impression Material**

S.no	PROCEDURE	YES	NO
1	Selection of proper armamentarium		
2	Dispensing proper length of the impression paste		
3	Correct Manipulation of the impression paste		
4	Correct Mixing time		
5	Adequate consistency of the mixed impression paste		

6) **Manipulation of Heat Cure Acrylic Resin**

S.no	PROCEDURE	YES	NO
1	Selection of Armamentarium		
2	Correct polymer to monomer ratio		
3	Whether Different stages of polymerization were shown		
4	Adequate consistency of the material		

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CONSERVATIVE DENTISTRY & ENDODONTICS

For II B.D.S (Preclinical Conservative)

S. no.	Name of clinical / laboratory skills model	2017-18	2018-19	2019-20	2020-21	2021-22
1	Preparation of 1" cube in Plaster of paris - 6 Nos. Preparation of geometric cavities in the above cubes	✓	✓	✓	✓	✓
2	Preparation of Tooth models in plaster and preparation of cavities and restoration with modeling wax. Incisors- 4 nos b. Pre-Molars -2 nos. Molars -8 nos	✓	✓	✓	✓	✓
3	Preparation of Cavities on Extracted Natural Teeth	✓	✓	✓	✓	✓
4	Preparation of Cavities on Typhodont teeth Class I Class II -6 with 2 extensions 5 DO | Conventional 5 MO | 5 Conservative 2 MOD (1 Upper molar) (1 Lower Molar) 3 on Anteriors Class III Class V 2 on Posteriors	✓	✓	✓	✓	✓
5	Inlay preparation on extracted teeth- Class I -1 Class II -2+1 MOD -1 Class V -1	✓	✓	✓	✓	✓
6	To prepare Wax patterns and one to be casted	✓	✓	✓	✓	✓
7	. Root canal access cavity opening on Upper Central incisor.	✓	✓	✓	✓	✓

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8	Demonstration of Light cure composite and Glass Ionomer Restorations.	✓	✓	✓	✓	✓
9	Demonstration of endodontic Instruments	✓	✓	✓	✓	✓
10	Demonstration - inlay cavity prepartion	✓	✓	✓	✓	✓
11	,Wax pattern, investing, casting, polishing and cementation of cast restoration.	✓	✓	✓	✓	✓

III B.D.S List of conducted by the department;

List of preclinical work done

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
	Class I cavity preparation on extracted molars and premolars teeth - 5	✓	✓	✓	✓	✓
	Base application – GIC and Zinc phosphate	✓	✓	✓	✓	✓
	Composite restoration - 5	✓	✓	✓	✓	✓
	Class II cavity preparation on premolars and molars -5	✓	✓	✓	✓	✓
	Base application – GIC and Zinc phosphate	✓	✓	✓	✓	✓
	Composite restoration - 5	✓	✓	✓	✓	✓

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IV B.D.S List of conducted by the department

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
1	Class II cavity preparation on premolars and molars - 5	✓	✓	✓	✓	✓
2	Base application –GIC and Zinc phosphate	✓	✓	✓	✓	✓
3	Composite restoration - 5	✓	✓	✓	✓	✓
4	Class III and Class IV – cavity preparation on extracted upper anterior teeth	✓	✓	✓	✓	✓
5	Access cavity preparation on anterior teeth-05	✓	✓	✓	✓	✓
6	working length determination	✓	✓	✓	✓	✓
7	Biomechanical preparation by Step Back technique	✓	✓	✓	✓	✓
8	Obturation using lateral condensation technique	✓	✓	✓	✓	✓

Interns List of preclinical work conducted by the department

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
1	Access cavity preparation on anterior teeth-05	✓	✓	✓	✓	✓
2	working length determination	✓	✓	✓	✓	✓
3	Biomechanical preparation by Step Back technique	✓	✓	✓	✓	✓
4	Obturation using lateral condensation technique	✓	✓	✓	✓	✓
5	Demonstration Inlay,onlay preparation on extracted molars	✓	✓	✓	✓	✓
6	Demonstration of Vital and non vital bleaching on extracted teeth.	✓	✓	✓	✓	✓

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Post Graduate List of Preclinical work conducted by the department

S. no.	Name of Training programs	2017-18	2018-19	2019-20	2020-21	2021-22
	Cavity preparation on plaster models for Amalagam restorations 1. Class II conservative – 2 2. Class II conventional – 2 3. Complex restorations - 2 4. Class IV restoration - 1	✓	✓	✓	✓	✓
	cavity preparation for inlay on plaster model Mo and do -2 Mod - 1 Cusp capping - 1	✓	✓	✓	✓	✓
	Preparation for onlay – 1	✓	✓	✓	✓	✓
	Exercises On Typhodont Teeth Cavity preparation for amalagam a. Conservative cavity Molars - 2 Premolar – 1 b. Conventional cavity Molars - 2 Premolar – 1 Cavity preparation for inlay MO and DO(premolar and molar) - 4 a) MOD (premolar and molar) - 4 b) Cusp capping - 2	✓	✓	✓	✓	✓
	c) Wax pattern fabrication Class II 1PM+IM MOD 1+1 6 Cusp capping 1+1 d) Casting Class II 1PM+1M MOD 1 4 Cusp capping	✓	✓	✓	✓	✓
	Onlay preparation a) Preparation - 2 b) Casing - 1	✓	✓	✓	✓	✓

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	1) Full crown (all ceramic + metal cermic) a) Anterior Upper - 3 Lower - 2 b) Posterior (all ceramic + metal ceramic + metal) Upper - 3 Lower - 2 c) Processing - 2 2) 7/8 crown on molars a) preparation - 2 b) processing - 1 6) ¾ crown on premolars a) preparation - 2 b) processing - 1	✓	✓	✓	✓	✓
	Exercises On Natural Tooth 1) Cavity preparation for amalagam restorations a) Class II Conservative - 2 Conventional - 2 b) Complex restoration – 2 c) Class V - 2	✓	✓	✓	✓	✓
	4) Tooth preparation for crown a) anterior (U+L) - 6 b) Premolars - 2 c) molars - 2 d) casting - 2	✓	✓	✓	✓	✓
	5) veneers anterior teeth - 2	✓	✓	✓	✓	✓
	6) post and core build up a) anterior teeth (U+L)- 10 b) posterior teeth (PM+M) - 5	✓	✓	✓	✓	✓
	7) Composite inlay Preparation – 3 Processing - 1	✓	✓	✓	✓	✓
	8) Wax carvings of teeth a) Anteriors - 2 b) Premolars - 2 c) Molars - 2	✓	✓	✓	✓	✓
	Cavity preparation for inlay a) MO , DO (PM +M) - 4 b) MOD - 2	✓	✓	✓	✓	✓

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	c) Cusp capping - 2 d) Wax pattern - 2					
	3)Tooth preparation for onlay a) preparation - 3 b) wax pattern and casting – 1	✓	✓	✓	✓	✓
	1) Sectioning of teeth a. All permenant teeth b. Primary 2nd molar	✓	✓	✓	✓	✓
	Access cavity preparation on anterior teeth- – all permanent teeth	✓	✓	✓	✓	✓
	1) Biomechanical preparation by Step back technique - 3 Crown down technique – 3 Hybrid - 3	✓	✓	✓	✓	✓
	2) Obturation Lateral condensation - 3 Vertical condensation - 3 Thermoplasticized - 3	✓	✓	✓	✓	✓
	3) Post and core preparation and fabrication Wax pattern and casting – 4	✓	✓	✓	✓	✓
	4) Removable dies - 4	✓	✓	✓	✓	✓

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DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY

Point 1. List of clinical / laboratory skills models/facilities

III BDS PRECLINICAL WORK

S. no.	Name of clinical / laboratory skills model	2016	2017	2018	2019	2020	2021
1.	Class I Cavity Preparation on extracted deciduous molar.	✓	✓	✓	✓	✓	✓
2.	Fabrication of Functional space Maintainer	✓	✓	✓	✓	✓	✓
3.	Fabrication of non Functional space Maintainer	✓	✓	✓	✓	✓	✓

IV BDS PRECLINICAL WORK DONE

S. no.	Name of clinical / laboratory skills model	2016	2017	2018	2019	2020	2021
1.	Fabrication of oral screen	✓	✓	✓	✓	✓	✓
2.	Fabrication of Tongue crib applaince	✓	✓	✓	✓	✓	✓

PRECLINICAL WORK DONE BY POST GRADUATES.

S. no.	Name of clinical / laboratory skills model	2016	2017	2018	2019	2020	2021
1.	Carving of deciduous teeth 1. Maxillary central incisor 2. Maxillary later incisor	✓	✓	✓	✓	✓	✓

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	3. Maxillary canine 4. Maxillary first molar 5. Maxillary second molar 6. Mandibular central incisor 7. Mandibular canine 8. Mandibular first molar Mandibular second molar						
2.	Basic wire bending exercises 1. Straightening of 20 gauge wire 2. Square 3. Circle 4. Triangle 5. V loop 6. U loop U-V loop	✓	✓	✓	✓	✓	✓
3.	Basic soldering exercises 1. Star 2. Comb 3. Lamp post	✓	✓	✓	✓	✓	✓
4.	Basic spot welding exercise 1. Welding of square of 2cm side 2. Welding of two semicircles of 2cm diameter	✓	✓	✓	✓	✓	✓
5.	Drawing the sections and shape of teeth 1. Maxillary and mandibular permanent central incisor 2. Maxillary and	✓	✓	✓	✓	✓	✓

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	mandibular lateral incisor 3. Maxillary and mandibular canine 4. Maxillary and mandibular first premolar 5. Maxillary and mandibular second premolar 6. Maxillary and mandibular first molar 7. Maxillary and mandibularsecond molar 8. Cross- sectiona;l anatomy of primary teeth 9. Differences between primary and permanent teeth 10. Relationship of primary teeth to permanent tooth bud Vertucci's classification of root canal system						
6	Fabrication of removable space maintainers 1. Unilateral non functional 2. Bilateral non functional 3. Unilateral functional 4. Bilateral functional	✓	✓	✓	✓	✓	✓
7	Phantom head exercises 1. Strip crown on 51 2. polycarbonate crown on 61 3. Stainless steel crown on 75	✓	✓	✓	✓	✓	✓

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	4. Cast metal crown on 36 5. Class II amalgam(distal) on 85 6. Class II amalgam(mesial) on 46 7. Class II inlay preparation on 26 Only preparation on 16						
8	Fabrication of orthodontic appliances 1. Maxillary bite plane 2. Maxillary expansion screw 3. Canine retractor appliance • Buccal • u- loop • palatal helical	✓	✓	✓	✓	✓	✓
9	Habit breaking appliances Removable 1. Habit breaking appliance with tongue crib 2. Oral screen with breathing holes 3. Double oral screen 4. Lip bumper 5. Splint for bruxism Fixed 1. Fixed tongue crib 2. Triple loop corrector 3. Lip bumper 4. Quad helix Modified nance appliance	✓	✓	✓	✓	✓	✓
10	Myofunctional appliance 1. Twin block Activator	✓	✓	✓	✓	✓	✓
11	Inclined plane	✓	✓	✓	✓	✓	✓
12	Feeding appliance	✓	✓	✓	✓	✓	✓
13	Fixed space maintainers 1. Band and loop 2. Band and short loop	✓	✓	✓	✓	✓	✓

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	3. Maynes 4. Transpalatal arch 5. Transpalatal holding arch Nance palatal holding arch with canine stoppers						
14	Appliance 1. Active space maintainer 2. For guiding eruption of 1st permanent molar • Distal shoe • Starkey's appliance 3. Arch holding device Functional space maintainers	✓	✓	✓	✓	✓	✓
15	Exercises on extracted teeth 1. RCT 2. Apexification 3. Pulpotomy 4. Post and core Porcelain crown	✓	✓	✓	✓	✓	✓
16	Indices 1. Caries index 2. Oral hygiene index 3. Periodontal index(plaque index) Flourosis index	✓	✓	✓	✓	✓	✓
17	Surgical exercises 1. Splints 2. Wiring 3. Suturing • Simple interrupted • Continuous • Figure 8 sutures PVIT system	✓	✓	✓	✓	✓	✓
18	mixed dentition cast analysis 1. Moyers mixed dentition analysis 2. Tanaka Johnson analysis 3. Hixon-Old father	✓	✓	✓	✓	✓	✓

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	analysis 4. Huckaba's analysis						

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DEPARTMENT OF ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

POINT 1 - USE OF CLINICAL SKILLS LABORATORY/SIMULATION BASED LEARNING

A) III rd YEAR BDS

Sl. no.	Name of clinical /laboratory skills model	2016	2017	2018	2019	2020	2021
1 a	**Basic wire bending exercises with 22 gauge wire – To improve the dexterity of manipulation of wire** Straightening of wire	✓	✓	✓	✓	✓	✓
b	Fabrication of equilateral triangle	✓	✓	✓	✓	✓	✓
c	Fabrication of equilateral square	✓	✓	✓	✓	✓	✓
d	Fabrication of circle	✓	✓	✓	✓	✓	✓
e	Fabrication of U loop	✓	✓	✓	✓	✓	✓
f	Fabrication of V loop	✓	✓	✓	✓	✓	✓
2 a	**Fabrication of CLASPS with 22 gauge wire - Retentive components of removable appliance** Fabrication of C- clasp	✓	✓	✓	✓	✓	✓
b	Fabrication of Jackson's clasp	✓	✓	✓	✓	✓	✓
c	Fabrication of Adam's clasp	✓	✓	✓	✓	✓	✓
3 a	**Fabrication of springs with 24 gauge wire- Active components of the removable appliance** Fabrication of finger spring	✓	✓	✓	✓	✓	✓
b	Fabrication of Z spring	✓	✓	✓	✓	✓	✓

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4	**Fabrication of bows with 22 gauge wire- Active components of the removable appliance**						
a	Fabrication of short labial bow	✓	✓	✓	✓	✓	✓
b	Fabrication of long labial bow	✓	✓	✓	✓	✓	✓
5 a	**Fabrication of canine retractors with 23 gauge wire- Active components of removable appliance** Fabrication of U loop canine retractor	✓	✓	✓	✓	✓	✓
b	Fabrication of buccal canine retractor	✓	✓	✓	✓	✓	✓
c	Fabrication of reverse loop canine retractor	✓	✓	✓	✓	✓	✓
d	Fabrication of palatal canine retractor	✓	✓	✓	✓	✓	✓

B) IV TH YEAR BDS

Sl. no.	Name of clinical /laboratory skills model	2016	2017	2018	2019	2020	2021
1 a	**Fabrication of appliances** Hawley's retainer	✓	✓	✓	✓	✓	✓
b	Tongue crib appliance	✓	✓	✓	✓	✓	✓
c	Oral screen	✓	✓	✓	✓	✓	✓
d	Lower inclined plane	✓	✓	✓	✓	✓	✓
2	**Model analysis**	✓	✓	✓	✓	✓	✓
3	**Cephalometric analysis**	✓	✓	✓	✓	✓	✓

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4	**Case history - Clinical training in diagnosis and treatment planning**	✓	✓	✓	✓	✓	✓

C) MDS

Sl. no.	Name of clinical /laboratory skills model	2016	2017	2018	2019	2020	2021
A 1	**Basic wire bending exercises with 0.7 mm or 0.8 mm wire –** Straightening of 6" & 8" long wire	✓	✓	✓	✓	✓	✓
2	Fabrication of equilateral triangle	✓	✓	✓	✓	✓	✓
3	Fabrication of equilateral square	✓	✓	✓	✓	✓	✓
4	Fabrication of rectangle						
5	Fabrication of circle	✓	✓	✓	✓	✓	✓
6	Fabrication of 5U loop	✓	✓	✓	✓	✓	✓
7	Fabrication of 5V loop	✓	✓	✓	✓	✓	✓
B 1	**Fabrication of CLASPS with 22 gauge wire - Retentive components of removable appliance** C- clasp	✓	✓	✓	✓	✓	✓
2	Jackson's clasp	✓	✓	✓	✓	✓	✓
3	Triangular Clasps	✓	✓	✓	✓	✓	✓
4	Adam's clasp - upper molar	✓	✓	✓	✓	✓	✓
5	Adam's Clasp - lower molar	✓	✓	✓	✓	✓	✓
6	Adam's Clasp - Pre-molar	✓	✓	✓	✓	✓	✓

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7	Adam's Clasp – Incisor	✓	✓	✓	✓	✓	✓
8	Modification of Adam's - With Helix	✓	✓	✓	✓	✓	✓
9	Modification of Adam's - With distal extension	✓	✓	✓	✓	✓	✓
10	Modification of Adam's - With soldered tube	✓	✓	✓	✓	✓	✓
11	Duyzing Clasps on Molars	✓	✓	✓	✓	✓	✓
12	Southend Clasp	✓	✓	✓	✓	✓	✓
C 1	**Fabrication of springs with 24 gauge wire- Active components of the removable appliance** Finger spring-distal movement	✓	✓	✓	✓	✓	✓
2	Finger spring-distal movement	✓	✓	✓	✓	✓	✓
3	Double cantilever spring	✓	✓	✓	✓	✓	✓
4	Flapper spring	✓	✓	✓	✓	✓	✓
5	Coffin spring	✓	✓	✓	✓	✓	✓
6	T spring	✓	✓	✓	✓	✓	✓
D 1	**Fabrication of bows with 22 gauge wire- Active components of the removable appliance** Fabrication of short labial bow(upper and lower)	✓	✓	✓	✓	✓	✓
2	Fabrication of long labial bow(upper and lower)	✓	✓	✓	✓	✓	✓
3	Robert's retractor	✓	✓	✓	✓	✓	✓
4	High labial bow-with apron spring's	✓	✓	✓	✓	✓	✓
5	Mill's labial bow	✓	✓	✓	✓	✓	✓

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6	Reverse loop labial bow	✓	✓	✓	✓	✓	✓
7	Retention labial bow soldered to Adam's clasp	✓	✓	✓	✓	✓	✓
8	Retention labial bow extending distal to second molar	✓	✓	✓	✓	✓	✓
9	Fitted labial bow	✓	✓	✓	✓	✓	✓
10	Split high labial bow	✓	✓	✓	✓	✓	✓
E 1	**Fabrication of canine retractors with 23 gauge wire-Active components of removable appliance** U loop canine retractor	✓	✓	✓	✓	✓	✓
2	Buccal canine retractor	✓	✓	✓	✓	✓	✓
3	Reverse loop canine retractor	✓	✓	✓	✓	✓	✓
4	Palatal canine retractor	✓	✓	✓	✓	✓	✓
F 1	**Fabrication of appliances** Upper Hawley's appliance with anterior bite plane	✓	✓	✓	✓	✓	✓
2	Upper Hawley's appliance with posterior bite plane	✓	✓	✓	✓	✓	✓
3	Upper expansion appliance with coffin spring	✓	✓	✓	✓	✓	✓
4	Upper expansion appliance with coffin spring	✓	✓	✓	✓	✓	✓
5	Upper expansion appliance with expansion screw	✓	✓	✓	✓	✓	✓
6	Habit breaking appliance with tongue crib	✓	✓	✓	✓	✓	✓
7	Oral screen and double oral screen	✓	✓	✓	✓	✓	✓
8	Lip bumper	✓	✓	✓	✓	✓	✓
9	Splint forBruxism	✓	✓	✓	✓	✓	✓

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10	Catalans appliance	✓	✓	✓	✓	✓	✓
11	Activator	✓	✓	✓	✓	✓	✓
12	Bionator	✓	✓	✓	✓	✓	✓
13	Frankel-FR 2 appliance	✓	✓	✓	✓	✓	✓
14	Twin block	✓	✓	✓	✓	✓	✓
15	Lingual arch	✓	✓	✓	✓	✓	✓
16	TPA	✓	✓	✓	✓	✓	✓
17	Quad helix	✓	✓	✓	✓	✓	✓
18	Bihelix	✓	✓	✓	✓	✓	✓
19	Utility arches	✓	✓	✓	✓	✓	✓
20	Pendulum appliance	✓	✓	✓	✓	✓	✓
G 1	**SOLDERING EXERCISES** Star	✓	✓	✓	✓	✓	✓
2	Comb	✓	✓	✓	✓	✓	✓
3	Christmas tree .	✓	✓	✓	✓	✓	✓
4	Soldering buccal tube on molar bands	✓	✓	✓	✓	✓	✓
H 1	**WELDING EXERCISES** Pinching and welding of molar, premolar, canine and Incisor bands	✓	✓	✓	✓	✓	✓
2	Welding of buccal tubes and brackets on molar bands and incisor bands	✓	✓	✓	✓	✓	✓
I 1	**CEPHALOMETRICS** Lateral cephalogram to be traced in five different colors and super imposed to see the accuracy of tracing	✓	✓	✓	✓	✓	✓

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2	Steiner's analysis	✓	✓	✓	✓	✓	✓
3	Down's analysis	✓	✓	✓	✓	✓	✓
4	Tweed analysis	✓	✓	✓	✓	✓	✓
5	Rickett's analysis	✓	✓	✓	✓	✓	✓
6	Burrstone analysis	✓	✓	✓	✓	✓	✓
7	Rakosi's analysis	✓	✓	✓	✓	✓	✓
8	Mc Namara analysis	✓	✓	✓	✓	✓	✓
9	Bjork analysis	✓	✓	✓	✓	✓	✓
10	Coben's analysis	✓	✓	✓	✓	✓	✓
11	Harvold's analysis	✓	✓	✓	✓	✓	✓
12	Soft tissue analysis - Holdaway and Burstone	✓	✓	✓	✓	✓	✓
J 1	**LIGHT WIRE BENDING EXERCISES FOR BEGG'S TECHNIQUE** Wire bending technique on 0.016' wire circle "Z" Omega	✓	✓	✓	✓	✓	✓
2	Bonwill-Hawley diagram	✓	✓	✓	✓	✓	✓
3	Making a standard arch wire	✓	✓	✓	✓	✓	✓
4	Inter maxillary hooks- Boot leg and Inter Maxillary type	✓	✓	✓	✓	✓	✓
5	Upper and Lower arch wire	✓	✓	✓	✓	✓	✓
6	Bending a double back arch wire	✓	✓	✓	✓	✓	✓
7	Bayonet bends (vertical and horizontal offsets)	✓	✓	✓	✓	✓	✓

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8	Stage-III arch wire	✓	✓	✓	✓	✓	✓
9	Torquing auxiliary (upper)	✓	✓	✓	✓	✓	✓
10	Reverse Torquing (lower)	✓	✓	✓	✓	✓	✓
11	Up righting spring	✓	✓	✓	✓	✓	✓
K 1	**TYPHODONT EXERCISES** Teeth setting in Class-II division I malocclusion with maxillary anterior proclination and mandibular anterior crowding	✓	✓	✓	✓	✓	✓
2	Band pinching, welding brackets and buccal tubes to the bands	✓	✓	✓	✓	✓	✓
3	Stage-I	✓	✓	✓	✓	✓	✓
4	Stage-II	✓	✓	✓	✓	✓	✓
5	Pre Stage-I	✓	✓	✓	✓	✓	✓
6	Stage-III	✓	✓	✓	✓	✓	✓

POINT 2. LIST OF PROGRAMS CONDUCTED BY THE DEPARTMENT

SL. NO.	NAME OF TRAINING PROGRAM	2016	2017	2018	2019	2020	2021
1	Comprehensive workshop on advanced orthodontic appliances- Self ligating and aligner systems				✓		

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PERIODONTOLOGY & IMPLANTOLOGY

WORK DONE BY 3RD YEAR BDS STUDENTS WHEN POISTED

S.NO	WORK DONE
1.	Discussion taken on sterilization and infection control
2.	Discussion taken on Periodontal instruments
3.	Discussion taken on Instrumentation and principles of instrumentation
4.	Discussion taken on Nonsurgical Therapy
5.	Demonstration of scaling
6.	Scaling done on models and cast- 5 Scaling
7.	Discussion taken on Mechanical plaque control
8.	Discussion taken on Chemical plaque control
9.	Discussion taken on Case history
10.	Student takes 10 case history on patients
11.	10 supra gingival scaling done on patients
12.	End posting exams and Viva conducted

WORK DONE BY 4th YEAR BDS STUDENTS WHEN POISTED IN THE

Sl.No	WORK DONE
1	Student take 15 case history on patients
2	40 Supra gingival and sub gingival scaling on patients
3	10 Ultra sonic scaling on patients
4	End posting exams and Viva conducted

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ORAL PATHOLOGY & MICROBIOLOGY

I BDS

Subject: Dental Anatomy and Histology

1. Carving of a set of permanent tooth morphology on using wax blocks
2. Age estimation and tooth numbering system using study models
3. Identification of deciduous and permanent teeth using tooth models
4. Histological identification of normal oral soft and hard tissue structure through Hematoxylin and eosin stained tissue sections and ground sections

II BDS

Subject: Oral Pathology and Microbiology

1. Identification of various developmental anomalies using tooth models
2. Identification and histopathological diagnosis of oral pathological lesion using Microscope
3. Macroscopic analysis of soft tissue pathologies of oral cavity using specimens preserved at museum

III BDS

Subject: Oral Pathology and Microbiology

1. Identification of various developmental anomalies using tooth models
2. Identification and histopathological diagnosis of oral pathological lesion using Microscope
3. Macroscopic analysis of soft tissue pathologies of oral cavity using specimens preserved at museum

Interns

Subject: Oral Pathology and Microbiology

1. Preparing exfoliative cytology and FNAC smear, staining and reporting the same.
2. Making ground section of teeth
3. Observation of grossing the soft and hard tissue specimen received by department for histopathological diagnosis
4. Observation of basic hematological procedures done at hematology laboratory
5. Posting to central research laboratory to understand various molecular technique used for diagnosis and research in oral pathology

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TRAINING PROGRAM CONDUCTED USING SKILL LABORATORY-LIST AND REPORT

Dr. Ramakant Nayak
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M.M's. N.G. Halgekar Institute of Dental Sciences
& Research Centre, Belagavi-590010.

2.3.2 LIST OF TRAINING PROGRAMS CONDUCTED IN THE FACILITIES DURING THE LAST 5YEARS

Sl.No	Year	Name of the Program
1	2017-18	BLS
2		Mastering Laminate Veeners
3		Implant Module
4	2018-19	BLS
5		Comprehensive workshop on advanced orthodontic appliances- Self ligating and aligner systems
6		Implant Module
7	2019-20	BLS
8		Art and Science of Esthetic Dentistry
9		Implant Module
10	2020-21	-------
11	2021-22	Implant Surgical model
12		BLS

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REPORT ON BLS (BASIC LIFE SUPPORT) TRAINING PROGRAMME

There is a significant lack of knowledge regarding the typical signs and risk factors associated with serious medical conditions among medical students and laypersons. Keeping this in mind we started with training the staff, students of our college and also the common people in basic life support. The programme was started in 2016 on World Heart Day and has been successful till now.

BLS generally refers to the type of care that first-responders, healthcare providers and public safety professionals provide to anyone who is experiencing cardiac arrest, respiratory distress or an obstructed airway. It requires knowledge and skills in cardiopulmonary resuscitation (CPR), using automated external defibrillators (AED) and relieving airway obstructions in patients of every age.

The candidates are trained over 2 days. On the first day of the programme a pre workshop test is conducted to assess the basic knowledge of the participants. Then the lectures and hands on demonstrations are given to the participants over two days. During the programme various real life examples are given make them understand the concept of BLS and to perform BLS. The participants are trained individually and once they are well worse with the technique of BLS at various scenarios post work shop is conducted to assess them. The exam is held in MCQ, OSCE and OSCPE pattern.

During the programme the candidates are provided CPR masks individually. The candidates are trained on interactive manikins and AED. All the aspects of BLS are covered. On successful completion of the course the candidates are awarded with a certificate and a placard of BLS training.

From 2016 a total of 488 candidates have been trained in BLS at Maratha Mandal's Nathajirao G.Halgekar Institute of Dental Sciences and Research Centre, Belagavi. The details are as below.

YEAR	NUMBER OF BLS WORKSHOPS HELD	NUMBER OF PARTICIPANTS
2017-18	4	64
2018-19	3	69
2019-20	6	175
2020-21	Not conducted due to pandemic	--
2021-22	1	78

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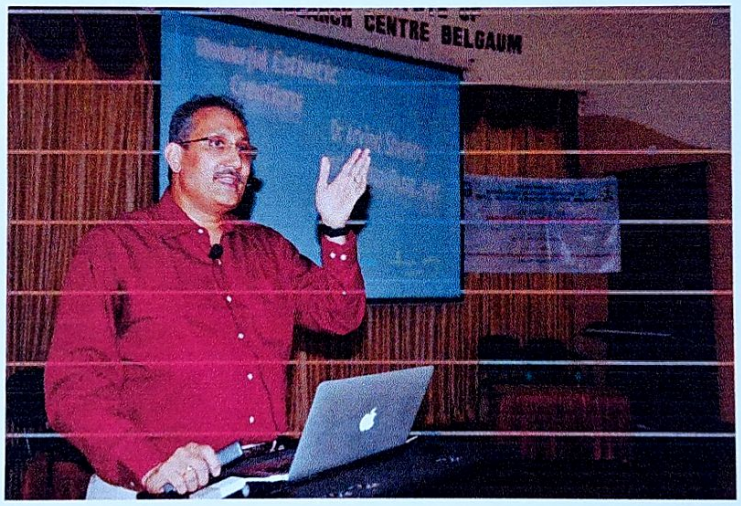
MASTERING LAMINATE VEENERS

Department of Conservative dentistry and endodontics hosted a one day workshop "Mastering Laminate Veeners" on 18th September 2017 by Dr.Arvind Shenoy. The work shop covered the detailed lecture on on Analysis and treatment planning of Composite and Ceramic Veener preparations followed by Hands on course.



Date: 24 C //2019

From,

THE H O D

Department of Orthodontics and Dentofacial Orthopedics,

Maratha Mandal's N G H Institute of Dental Sciences,

Belgaum

To,

THE PRINCIPAL

Maratha Mandal's N G H Institute of Dental Sciences,

Belgaum

SUB: Request for conducting CDE programme on 20th August.

Respected sir,

The department of orthodontics and dentofacial orthopedics has planned for a CDE programme on "Self Ligating and Aligner system" in the college on 20th August 2019 from 9:00 AM to 4:00 PM. The program will be for the Post graduates, Department of orthodontics. So we would like to use the auditorium for the above mention date.

So we kindly request to do the needful.

Thanking you.

Your's Sincerely,

Dr. Vijay Naik
HOD, Dept of Orthodontics
MMNGHIDS, Belgaum

Received
24/07/2019

Maratha Mandal's

Nathajirao G. Halgekar Institute of Dental Sciences & Research Centre, Belgaum.

Department of Orthodontics & Dentofacial Orthopedics

COMPREHENSIVE WORKSHOP ON ADVANCED ORTHODONTIC APPLIANCES

PROGRAM SCHEDULE

9.00am-9.15am- Registration

9.15am-9.30am- Introduction of the Guest Speaker

9.30am-11.00am-**Session 1** BASICS

11.15am-1.15pm-**Session 2** SELF LIGATING SYSTEM

1.15pm-2.00pm- LUNCH

2.00pm-4.00pm-**Session 3** CLEAR ALIGNAERS

4.00pm-4.30pm- Valedictory function

MARATHA MANDAL'S

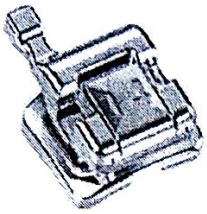
N.G.HALGEKAR INSTITUTE OF DENTAL SCIENCES & RESEARCH CENTRE, BELAGAVI

COMPREHENSIVE WORKSHOP ON ADVANCED ORTHODONTIC APPLIANCES

SELF LIGATING & ALIGNER SYSTEMS

North American Braces

CLEARBITE ALIGNERS



WORKSHOP CONTENT

SESSION - 1 BASICS

- Introduction.
- Historical Perspective and Brief comparision of different Orthodontic Appliances
- Material perspective and Manufacturing of Orthodontic Bracket
- Buccal Vs Lingual Biomechanics

SESSION -2 SELF LIGATING SYSTEM

- Different types of Self ligating system available
- Active Vs Passive Self ligating Brackets
- Philosophy & Treatment phases

SESSION - 3 CLEAR ALIGNERS

- Process and case selection
- Impression technique , Attachment protocol and IPR protocol Orthodontic Biomechanics using Clear Aligner
- Treatment of different Malocclusions using Clear Aligners
- Treatment monitoring and corrections using Clear Aligners
- Clinical tips and tricks for Clear Aligners

ABOUT SPEAKER

Dr. G. DHARMADEEP, MDS

HEAD OF R&D, JJ ORTHODONTICS

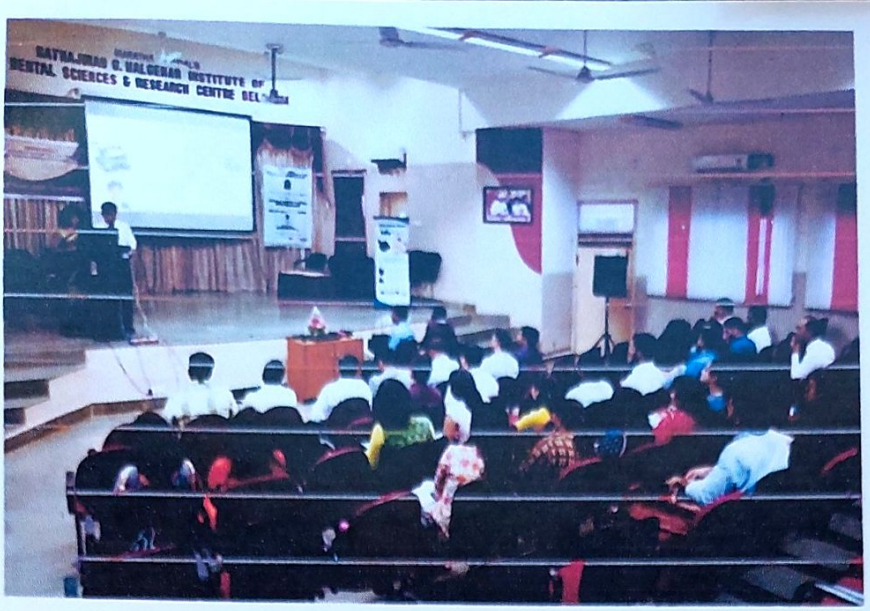
Faculty in Department Of Orthodontics & Dentofacial Orthopaedics,

G. PULLAREDDY DENTAL COLLEGE & HOSPITAL,KURNOOL, AP, INDIA.

E mail | dharmadeep.dd@gmail.com |

Contact No. | +91 9493870167 |

*Dr. G. Dharma Deep completed his BDS, MDS and presently working as Assistant Professor in prestigious G. Pullareddy Dental College and Hospital, Kurnool, Andhra Pradesh. He is also heading the R&D department of JJ Orthodontics. Out of Passion & Curiosity, He is involved in manufacturing of different advanced orthodontic appliances. He is known for his major contribution towards the continuous improvement of "**Selfy**" Passive Self ligating system, which became a revolution in recent orthodontic self ligating bracket system. His other areas of expertise are Aligner System, Lingual orthodontics, Temporary Anchorage Devices, CBCT Studies and other advanced Orthodontic products. He is an eminent speaker who talks in National as well as in International forum. He is one of the best Orthodontist who has hands on skill which made him to excel in orthodontic wire bending. Apart from Orthodontics he is an amazing artist, who achieved many awards in field of arts for his outstanding artistic skills.*


DATTA JIRAO G. HALGEKAR INSTITUTE OF
DENTAL SCIENCES & RESEARCH CENTRE BELGAUM

ART AND SCIENCE OF ESTHETIC DENTISTRY

Department of Conservative Dentistry and Endodontics in association with the Continuing Dental Education (C.D.E) cell of Maratha Mandal's Nathajirao G. Halgekar Institute of Dental Sciences and Research Center, Belagavi organized a CDE "Art and science of Esthetic Dentistry " on 21st and 22nd of January 2020 at the college premises. The Guest speakers for the lecture was Dr. Arun Jayasheel who is well known speaker in Esthetic Dentistry and Endodontics, working as Reader in Bapuji dental college and Hospital, Davangere. The programme was inaugurated by the Vice principal of Maratha Mandal's Nathajirao G Halgekar Institute of dental sciences and research centre. Dr Ramakant Nayak (Principal), Dr.Viraj Patil (Vice Principal), Dr. Madhu Pujar , Dr. Amulya Vanti (CDE Incharge), faculty members, private practitioners, delegates from other colleges and post graduate students and Interns of the institute were present for the occasion. The programme constituted of 2 days lecture and hands on course. On day 1, lecture was on "Direct esthetic restorative materials" which comprised of case selection and treatment planning along with bonding protocols, shade selection, restorative techniques, matricing and finishing and polishing of restorations. Video demonstration on muti-layering technique on anterior composites and matricing techniques for posterior restorations were given. On day 2, lectures were on "Indirect esthetic restorative materials" which comprised of case selection and treatment planning for anterior and posterior teeth along with bonding protocols were delivered. Video demonstration on anterior indirect veneer preparation and temporization was given. Around 84 delegates including private practitioners attended the programme. Two days hands on program were conducted on muti-layering technique on anterior composites which had total of 60 participants, 30 per day.

BASIC IMPLANT COURSE

The dept. of Prosthodontics Crown and Bridge in association with the department of Periodontics conducts the Basic Implant Course for the Post Graduate students. The program is conducted every year from 2016 onwards. The extensive program consist of didactic lecture on all the aspects related to Implant dentistry, hand on implant placement of dummy models , live surgical demonstration of Implant placement. The participants are also allowed to place implants in the patients. The participants are motioned by renowned and experts in the field of Implant dentistry.