2022-2023

Dr.Shweta Gupta

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled " **EVALUATION OF PERIODONTAL AND MICROBIOLOGICAL PARAMETERS IN CHILDREN AND ADOLESCENTS IN REPAIRED UNILATERAL CLEFT LIP AND PALATE PATIENTS UNDERGOING ORTHODONTIC MAXILLARY PROTRACTION BY TWO DIFFERENT THERAPEUTIC APPROACHES**" is a bonafide research work carried out by **DR. SHWETA GUPTA** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **PERIODONTOLOGY**.

SIGNATURE OF GUIDE

SIGNATURE OF CO-GUIDE

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

DR. MANISH KHATRI
PROFESSOR & HEAD
Department of Periodontology,
Institute of Dental Studies & Technologies,
Modinagar

DR. MANSI BANSAL
PROFESSOR
Department of Periodontology
Institute of Dental Studies & Technologies,
Modinagar

PLACE: MODINAGAR
DATE: 31/10/22

Institute of Dental Studies & Technologies Modinagar (U.P.) Kadrabad

ENDORSEMENT BY THE HEAD OF DEPARTMENT

DIRECTOR PG STUDIES & PRINCIPAL OF THE INSTITUTION

This is to certify that dissertation entitled **" EVALUATION OF PERIODONTAL AND MICROBIOLOGICAL PARAMETERS IN CHILDREN AND ADOLESCENTS IN REPAIRED UNILATERAL CLEFT LIP AND PALATE PATIENTS UNDERGOING ORTHODONTIC MAXILLARY PROTRACTION BY TWO DIFFERENT THERAPEUTIC APPROACHES"** is a bonafide research work carried out by **DR. SHWETA GUPTA** under the guidance of **DR. MANISH KHATRI , PROFESSOR & HEAD,** Department of Periodontology , Institute of Dental Studies & Technologies, Modinagar, U.P.

SIGNATURE OF HEAD OF THE DEPARTMENT

DR. MANISH KHATRI
Professor & Head
Department of Periodontology
Institute of Dental Studies & Technologies, Modinagar

SIGNATURE OF THE PRINCIPAL

DR. SHALU RAI
Professor & Head
Department of Oral Medicine & Radiology
Institute of Dental Studies & Technologies,
Modinagar

SIGNATURE OF DIRECTOR PG STUDIES

DR. GAURAV MITTAL
Professor & Head
Department of Oral & Maxillofacial Surgery
Institute of Dental Studies & Technologies,
Modinagar

PLACE: MODINAGAR
DATE: 31/10/22

Dr. Shamiya Khan

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"CLINICAL EVALUATION OF THE EFFICACY OF OXYGEN RELEASING ORAL GEL (blue m® GEL) AND CHLORHEXIDINE GEL (Hexigel™) IN HEALING AFTER GINGIVAL DEPIGMENTATION- A SPLIT MOUTH STUDY"** is a bonafide research work carried out by **DR. SHAMIYA KHAN** in partial fulfilment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the speciality of **PERIODONTOLOGY.**

SIGNATURE OF GUIDE

Dr. Sujata Masamatti
Professor
Department of Periodontology
Institute of Dental Studies & Technologies Kadrabad, Modinagar

SIGNATURE OF CO-GUIDE

Dr. Manish Khatri
Professor & Head
Department of Periodontology
Institute of Dental Studies & Technologies,
Kadrabad, Modinagar

SIGNATURE OF CO-GUIDE

Dr. Mohd. Rehan
Reader
Department of Periodontology
Institute of Dental Studies & Technologies,
Kadrabad, Modinagar

PLACE: MODINAGAR

DATE: 31/10/22

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

DIRECTOR PG STUDIES & PRINCIPAL OF THE INSTITUTION

This is to certify that dissertation entitled **"CLINICAL EVALUATION OF THE EFFICACY OF OXYGEN RELEASING ORAL GEL (blue m® GEL) AND CHLORHEXIDINE GEL (Hexigel™) IN HEALING AFTER GINGIVAL DEPIGMENTATION- A SPLIT MOUTH STUDY"** is a bonafied research work carried out by **DR. SHAMIYA KHAN** under the guidance of **DR. SUJATA MASAMATTI** Department of Periodontology, Institute of Dental Studies & Technologies, Kadrabad, Modinagar, U.P.

SIGNATURE OF HEAD OF THE DEPARTMENT

DR. MANISH KHATRI
Professor & Head
Department of Periodontology,
Institute of Dental Studies & Technologies,
Kadrabad, Modinagar, U.P

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

SIGNATURE OF THE PRINCIPAL

DR. SHALU RAI
Professor & Head
Department of Oral Medicine and Radiology Institute of Dental Studies & Technologies, Kadrabad, Modinagar, U.P.

PLACE: MODINAGAR
DATE: 31/10/22

SIGNATURE OF DIRECTOR PG STUDIES

DR. GAURAV MITTAL
Professor & Head
Department of Oral and Maxillofacial Surgery,
Institute of Dental Studies & Technologies,
Kadrabad, Modinagar, U.P.

PLACE: MODINAGAR
DATE: 31/10/22

Dr.Arti Mishra

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"EFFECT OF LASER AND INJECTABLE-PRF AS AN ADJUNCT TO SCALING AND ROOT PLANING FOR THE TREATMENT OF PERIODONTAL POCKETS: A CLINICO-MICROBIOLOGICAL STUDY"** is a bonafide research work carried out by **DR. ARTI MISHRA** in partial fulfilment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the speciality of **PERIODONTOLOGY.**

SIGNATURE OF GUIDE

DR. MANSI BANSAL
Professor,
Department of Periodontology
Institute of Dental Studies & Technologies,
Kadrabad, Modinagar

SIGNATURE OF CO-GUIDE

DR. MANISH KHATRI
Professor & Head of Department
Department of Periodontology
Institute of Dental Studies & Technologies,
Kadrabad, Modinagar

SIGNATURE OF CO-GUIDE

DR. NUTAN TYAGI
Professor & Head of Department
Department of Oral Pathology and Microbiology,
Institute of Dental Studies & Technologies,
Kadrabad, Modinagar

PLACE: MODINAGAR

DATE: 31-10-22

SIGNATURE OF CO-GUIDE

DR. PRATIKSHA TRIPATHI
Senior Lecturer
Department of Periodontology
Institute of Dental Studies & Technologies,
Kadrabad, Modinagar

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT
DIRECTOR PG STUDIES & PRINCIPAL OF THE INSTITUTION

This is to certify that dissertation entitled **"EFFECT OF LASER AND INJECTABLE-PRF AS AN ADJUNCT TO SCALING AND ROOT PLANING FOR THE TREATMENT OF PERIODONTAL POCKETS: A CLINICO-MICROBIOLOGICAL STUDY"** is a bonafied research work carried out by **DR. ARTI MISHRA** under the guidance of **DR. MANSI BANSAL, PROFESSOR,** Department Of Periodontology, Institute Of Dental Studies & Technologies, Kadrabad, Modinagar, U.P.

SIGNATURE OF HEAD OF THE DEPARTMENT

DR. MANISH KHATRI
Professor & Head
Department Of Periodontology,
Institute of Dental Studies & Technologies,
Kadrabad, Modinagar, U.P.

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

SIGNATURE OF THE PRINCIPAL

DR. SHALU RAI
Professor & Head
Department of Oral Medicine and Radiology Institute of Dental Studies & Technologies, Kadrabad, Modinagar, U.P.

PLACE: MODINAGAR
DATE: 31-10-22

SIGNATURE OF DIRECTOR PG STUDIES

DR. GAURAV MITTAL
Professor & Head
Department Of Oral and Maxillofacial Surgery, Institute of Dental Studies & Technologies, Kadrabad, Modinagar, U.P.

PLACE: MODINAGAR
DATE: 31-10-22

Dr.Priyanka

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"Three-Dimensional Assessment of Morphology of Soft Palate and Pharyngeal Airway in Unilateral Cleft Palate and Non Cleft Palate Patients"** is a bonafide research work carried out by **DR. PRIYANKA** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **ORAL MEDICINE & RADIOLOGY.**

SIGNATURE OF GUIDE

DR. SHALU RAI
Principal, Professor & Head
Department of Oral Medicine& Radiology,
Institute of Dental Studies &
Technologies,Modinagar, U.P.

SIGNATURE OF CO-GUIDE

DR. DEEPANKAR MISRA
Professor
Department of Oral Medicine & Radiology,
Institute of Dental Studies & Technologies, Modinagar, (U.P)

Place: MODINAGAR

Date:

Dr.Qaiser Wani

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"Morphometric evaluation of Foramen Magnum its variation in shape and its utility in Forensic Odontology –CBCT analysis"** is a bonafide research work carried out by **DR. QAISER ALI WANI** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **ORAL MEDICINE & RADIOLOGY.**

SIGNATURE OF GUIDE

[illegible] LU RAI
Professor & Head
Department of Oral Medicine & Radiology
Institute of Dental Studies & Technologies, Modinagar

SIGNATURE OF CO-GUIDE

DR. DEEPANKAR MISRA
Professor
Department of Oral Medicine & Radiology,
Institute of Dental Studies & Technologies, Modinagar, (U.P)

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Place: MODINAGAR

Date:

Dr.Pranoy M

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"COMPARITIVE EVALUATION OF DENTAL PARAMETERS BY USING TWO INTRA ORAL SCANNERS"** is a bonafide research work carried out by **DR. PRANOY.M** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS.**

GUIDE

DR. ACHINT JUNEJA
Professor & Head
Department Of Orthodontics & Dentofacial Orthopedics
Institute Of Dental Studies & Technologies,
Kadrabad, Modinagar (U.P)

CO-GUIDE

DR. STUTI MOHAN
Professor
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Studies & Technologies
Modinagar, U.P.

Date: 07/11/2022 **Place** Modinagar

ENDORSEMENT BY THE HOD, DIRECTOR -PG STUDIES & PRINCIPAL OF THE INSTITUTION

This is to certify that dissertation entitled **"COMPARITIVE EVALUATION OF DENTAL PARAMETERS BY USING TWO INTRA ORAL SCANNERS"** is a bonafide research work carried out by **DR. PRANOY.M** under the guidance of **DR. ACHINT JUNEJA**, Professor & Head, Department of Orthodontics and Dentofacial Orthopedics, Institute of Dental Studies & Technologies, Modinagar, U.P.

Head of Department

DR. ACHINT JUNEJA
Professor& Head
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Studies & Technologies
Modinagar, U.P.

Principal

DR. SHALU RAI
Principal
Institute of Dental Studies & Technologies
Modinagar (U.P.)

Director- PG Studies

DR. GAURAV MITTAL
Director PG Studies
Institute of Dental Studies& Technologies
Modinagar (U.P)

Date: 07/11/2022

Place: MODINAGAR

Dr. Umar Maqbool

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"COMPARISON OF SMILE CHARACTERISTICS IN PATIENTS WITH DIFFERENT FACIAL DIMENSIONS IN WESTERN UTTAR PRADESH POPULATION"** is a bonafide research work carried out by **DR. UMAR MAQBOOL** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS.**

GUIDE

DR. ACHINT JUNEJA
Professor & Head
Department Of Orthodontics & Dentofacial Orthopedics
Institute Of Dental Studies & Technologies,
Kadrabad, Modinagar (U.P)

CO-GUIDE

DR. STUTI MOHAN
Professor
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Studies & Technologies
Modinagar, U.P

Date: 07-11-22

Place: Modinagar

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

ENDORSEMENT BY THE HOD, DIRECTOR -PG STUDIES & PRINCIPAL OF THE INSTITUTION

This is to certify that dissertation entitled **"COMPARISON OF SMILE CHARACTERISTICS IN PATIENTS WITH DIFFERENT FACIAL DIMENSIONS IN WESTERN UTTAR PRADESH POPULATION"** is a bonafide research work carried out by **DR. UMAR MAQBOOL** under the guidance of **DR. ACHINT JUNEJA,** Professor & Head, Department of Orthodontics and Dentofacial Orthopedics, Institute of Dental Studies and Technologies, Modinagar, U.P.

Head of Department

DR. ACHINT JUNEJA
Professor & Head
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Studies & Technologies
Modinagar, U.P.

Principal

DR. SHALT RAI
Principal
Institute of Dental Studies & Technologies
Modinagar (U.P.)

Director- PG Studies

DR. GAURAV MITTAL
Director PG Studies
Institute of Dental Studies& Technologies
Modinagar (U.P)

Date: 07-11-22

Place: MODINAGAR

Dr.Farooq Ahmad Dar

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"SEQUENTIAL INJECTION OF I-PRF (INJECTABLE PLATELET RICH FIBRIN) TO ASSESS THE RATE OF TOOTH MOVEMENT AND PAIN PERCEPTION IN UPPER 1ST PREMOLAR EXTRACTION CASES- A SPLIT MOUTH STUDY"** is a bonafide research work carried out by **DR.FAROOQ AHMAD** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS.**

GUIDE

DR. STUTI MOHAN
Professor
Department Of Orthodontics &Dentofacial Orthopedics
Institute Of Dental Studies & Technologies,
Kadrabad, Modinagar (U.P)

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

CO-GUIDE

DR. ACHINT JUNEJA
Professor & Head
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Studies & Technologies
Modinagar, U.P.

Date: 07/11/2022

Place: MODINAGAR

REDMI NOTE 7 PRO
DR FAROOQ

ENDORSEMENT BY THE HOD, DIRECTOR -PG STUDIES & PRINCIPAL OF THE INSTITUTION

This is to certify that dissertation entitled **"SEQUENTIAL INJECTION OF I-PRF (INJECTABLE PLATELET RICH FIBRIN) TO ASSESS THE RATE OF TOOTH MOVEMENT AND PAIN PERCEPTION IN UPPER 1ST PREMOLAR EXTRACTION CASES- A SPLIT MOUTH STUDY"** is a bonafide research work carried out by **DR.FAROOQ AHMAD** under the guidance of **DR. STUTI MOHAN,** Professor, Department of Orthodontics and Dentofacial Orthopedics, Institute of Dental Studies & Technologies, Modinagar, U.P.

Head of Department

DR. ACHINT JUNEJA
Professor & Head
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Studies & Technologies
Modinagar, U.P.

Principal

DR. SHALU RAI
Principal
Institute of Dental Studies & Technologies
Modinagar (U.P.)

Director- PG Studies

DR. GAURAV MITTAL
Director PG Studies
Institute of Dental Studies & Technologies
Modinagar (U.P)

Date: 07/11/2022

Place: MODINAGAR

Dr.Suji S Devan

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"ASSESSMENT OF PREDICTION OF SOFT TISSUE AND FACIAL CHANGES USING ARTIFICIAL INTELLIGENCE AND MACHINELEARNING ALGORITHMS IN ADOLESCENT PATIENTS UNDERGOING FUNCTIONAL JAW ORTHOPEDICS BY COMPARISON WITH POST TREATMENT RESULTS"** is a bonafide research work carried out by **DR SUJI .S. DEVAN** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS.**

GUIDE

DR. ANKUR AGARWAL
Reader
Department Of Orthodontics & Dentofacial Orthopedics
Institute Of Dental Studies & Technologies,
Kadrabad, Modinagar (U.P)

CO-GUIDES

DR. ACHINT JUNEJA
Professor & Head
Department of Orthodontics and
Dentofacial Orthopedics
Institute of Dental Studies &
Technologies Modinagar, U.P.

DR. RUCHI SAINI
Reader
Department of Orthodontics and
Dentofacial Orthopedics
Institute of Dental Studies &
Technologies Modinagar, U.P.

Date: 7/4/22

Place: Modinagar

Modinagar (U.P.)

ENDORSEMENT BY THE HOD, DIRECTOR -PG STUDIES & PRINCIPAL OF THE INSTITUTION

This is to certify that dissertation entitled "**ASSESSMENT OF PREDICTION OF SOFT TISSUE AND FACIAL CHANGES USING ARTIFICIAL INTELLIGENCE AND MACHINELEARNING ALGORITHMS IN ADOLESCENT PATIENTS UNDERGOING FUNCTIONAL JAW ORTHOPEDICS BY COMPARISON WITH POST TREATMENT RESULTS**" is a bonafide research work carried out by **DR. SUJI.S.DEVAN** under the guidance of **DR. ANKUR AGARWAL, READER**, Department of Orthodontics and Dentofacial Orthopedics, Institute of Dental Studies and Technologies, Modinagar, U.P.

Head of Department

DR. ACHINT JUNEJA
Professor& Head
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Studies & Technologies
Modinagar, U.P.

IDST
INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Principal

DR. SHALU RAI
Principal
Institute of Dental Studies & Technologies
Modinagar (U.P.)

Director- PG Studies

DR. GAURAV MITTAL
Director PG Studies
Institute of Dental Studies& Technologies
Modinagar (U.P)

Date: 7/11/22

Place: MODINAGAR

Modinagar (U.P.)

Dr.Shabista Tahseen

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"MACHINE LEARNING SYSTEM FOR GROWTH PREDICTION USING LATERAL CEPHALOGRAM IN UCLP VS NON CLEFT PATIENTS"** is a bonafide research work carried out by **DR. SHABISTA TAHSEEN** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS.**

GUIDE

DR. STUTI MOHAN
Professor
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Studies & Technologies
Modinagar, U.P.

CO-GUIDE

DR. ACHINT JUNEJA
Professor & Head
Department Of Orthodontics &Dentofacial Orthopedics
Institute Of Dental Studies & Technologies,
Kadrabad, Modinagar (U.P)

7/11/22

Date:

Place: Modinagar

ENDORSEMENT BY THE HOD, DIRECTOR -PG STUDIES & PRINCIPAL OF THE INSTITUTION

This is to certify that dissertation entitled **"MACHINE LEARNING SYSTEM FOR GROWTH PREDICTION USING LATERAL CEPHALOGRAM IN UCLP VS NON CLEFT PATIENTS"** is a bonafide research work carried out by **DR. SHABISTA TAHSEEN** under the guidance of **DR. STUTI MOHAN,** Professor, Department of Orthodontics and Dentofacial Orthopedics, Institute of Dental Studies and Technologies, Modinagar, U.P.

Head of Department

DR.ACHINT JUNEJA
Professor& Head
Department of Orthodontics and Dentofacial Orthopedics
Institute of Dental Studies & Technologies
Modinagar, U.P.

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Principal

DR. SHALU RAI
Principal
Institute of Dental Studies & Technologies
Modinagar (U.P.)

Director- PG Studies

DR. GAURAV MITTAL
Director PG Studies
Institute of Dental Studies& Technologies
Modinagar (U.P)

7/11/22

Date:

Place: MODINAGAR

Dr.Ajay Babu Gutti

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

This is to certify that dissertation entitled **"COMPARATIVE EVALUATION OF DIFFERENT STORAGE MEDIA ON THE SURVIVAL OF PERIODONTAL LIGAMENT CELLS: AN IN-VITRO STUDY"** is a bonafide research work carried out by **DR. AJAY BABU GUTTI** under the guidance of **DR. RISHI MANAN, (PROFESSOR AND HEAD), Department of Conservative Dentistry & Endodontics, Institute of Dental Studies & Technologies, Modinagar.**

DR. RISHI MANAN
Professor & Head
Department of Conservative Dentistry & Endodontics
Institute of Dental Studies & Technologies
Modinagar

Date:

Place: Modinagar

Modinagar (U.P.)

ENDORSEMENT BY THE DIRECTOR P.G. STUDIES & THE PRINCIPAL OF THE INSTITUTE

This is to certify that dissertation entitled **"COMPARATIVE EVALUATION OF DIFFERENT STORAGE MEDIA ON THE SURVIVAL OF PERIODONTAL LIGAMENT CELLS: AN IN-VITRO STUDY"** is a bonafide research work carried out by **Dr. AJAY BABU GUTTI** under the guidance of **DR. RISHI MANAN, (PROFESSOR AND HEAD), Department of Conservative Dentistry & Endodontics, Institute of Dental Studies & Technologies, Modinagar.**

Seal and Signature of the Principal

DR. SHALU RAI
Principal
Institute of Dental Studies & Technologies,
Modinagar (U.P.)

Date:
Place: Modinagar

Seal and Signature of the Director P.G Studies

DR. GAURAV MITTAL
Director P.G. Studies
Institute of Dental Studies & Technologies,
Modinagar (U.P.)

Date:
Place: Modinagar

idst INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Institute of Dental Studies & Technologies Modinagar (U.P.)

Dr. Karishma Sharma

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

This is to certify that dissertation entitled" **COMPARATIVE EVALUATION OF DENTINAL MICROCRACKS AFTER ROOT- END CAVITY PREPARATION USING DIFFERENT IMAGING TECHNIQUES: AN IN-VITRO STUDY"** is a bonafide research work carried out by **DR. KARISHMA SHARMA** under the guidance of **DR. RISHI MANAN, (PROFESSOR AND HEAD), Department of Conservative Dentistry and Endodontics, Institute of Dental Studies & Technologies, Modinagar.**

DR. RISHI MANAN
Professor & Head
Department of Conservative Dentistry and Endodontics
Institute of Dental Studies & Technologies
Modinagar

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Date:

Place: Modinagar

Modinagar (U.P.)

ENDORSEMENT BY THE IN CHARGE P.G. STUDIES & THE PRINCIPAL OF THE INSTITUTE

This is to certify that Library Dissertation entitled "ENDODONTIC PERFORATIONS" is a bonafide research work carried out by Dr. **KARISHMA SHARMA** under the guidance of **Dr. RISHI MANAN, Professor and Head,** Department of Conservative Dentistry and Endodontics, Institute of Dental Studies and Technologies, Modinagar.

Seal and Signature of the Principal

Dr. GAURAV MITTAL
Principal
Institute of Dental Studies & Technologies
Modinagar (U.P.)

Date: 14/7/21
Place: Modinagar

Seal and Signature of the In-charge P.G Studies

Dr. SHALU RAI
In-charge P.G. Studies
Institute of Dental Studies & Technologies
Modinagar (U.P.)

Date: 14/7/21
Place: Modinagar

Institute of Dental Studies & Technologies Modinagar (U.P.) Kadrabad

Dr.Vishaal Badar

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

This is to certify that Library Dissertation entitled **"BROKEN INSTRUMENT RETRIEVAL"** is a bonafide research work carried out by **Dr. VISHAAL BADER** under the guidance of **Dr. SAI GANAPTHY, Reader, Department of Conservative Dentistry and Endodontics, Institute of Dental Studies and Technologies, Modinagar.**

Dr. RISHI MANAN

Professor & Head
Department of Conservative Dentistry and Endodontics
Institute of Dental Studies & Technologies
Modinagar (U.P.)

Date: 14/7/21

Place: Modinagar

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Modinagar (U.P.)

ENDORSEMENT BY THE IN CHARGE P.G. STUDIES & THE PRINCIPAL OF THE INSTITUTE

This is to certify that Library Dissertation entitled **"BROKEN INSTRUMENT RETRIEVAL"** is a bonafide research work carried out by **Dr. VISHAAL BADER** under the guidance of **Dr. SAI GANAPATHY**, Reader, Department of Conservative Dentistry and Endodontics, Institute of Dental Studies and Technologies, Modinagar.

Seal and Signature of the Principal

Dr. GAURAV MITTAL
Principal
Institute of Dental Studies and Technologies
Modinagar (U.P.)

Date: 14/7/21
Place: Modinagar

Seal and Signature of the In-charge P.G Studies

Dr. SHALU RAI
In-charge P.G. Studies
Institute of Dental Studies and Technologies
Modinagar (U.P.)

Date: 14/7/21
Place: Modinagar

Dr.Nadeem Aashiq

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

This is to certify that Library dissertation entitled **"VITAL PULP THERAPY"** is a bonafide research work carried out by **Dr. NADEEM AASHIQ** under the guidance of **Dr. CHETNA DUDEJA**, Reader, Department of Conservative Dentistry and Endodontics, Institute of Dental Studies and Technologies, Modinagar.

Dr. RISHI MANAN

Professor & Head
Department of Conservative Dentistry and Endodontics
Institute of Dental Studies & Technologies
Modinagar (U.P.)

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Date: 14/07/21 **Place: Modinagar**

Institute of Dental Studies & Technologies Modinagar (U.P.)

ENDORSEMENT BY THE IN-CHARGE P.G. STUDIES & THE PRINCIPAL OF THE INSTITUTE

This is to certify that Library dissertation entitled "**VITAL PULP THERAPY**" is a bonafide research work carried out by **Dr. NADEEM AASHIQ** under the guidance of **Dr. CHETNA DUDEJA, Reader,** Department of Conservative Dentistry and Endodontics, Institute of Dental Studies and Technologies, Modinagar.

Seal and Signature of the Principal

Dr. GAURAV MITTAL
Principal
Institute of Dental Studies and Technologies
Modinagar (U.P.)

Date: 14/07/21
Place: Modinagar

Seal and Signature of the In-charge P.G Studies

Dr. SHALU RAI
In-charge P.G. Studies
Institute of Dental Studies and Technologies
Modinagar (U.P.)

Date: 14/07/21
Place: Modinagar

Dr.Angitha S

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

This is to certify that Library Dissertation entitled **"SONICS AND ULTRASONICS IN ENDODONTICS"** is a bonafide research work carried out by **Dr. ANGITHA S** under the guidance of **Dr. NIKHIL PURI, Reader,** Department of Conservative Dentistry and Endodontics, Institute of Dental Studies and Technologies, Modinagar.

IDST
INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Dr. RISHI MANAN
Professor & Head
Department of Conservative Dentistry and Endodontics
Institute of Dental Studies & Technologies
Modinagar (U. P.)

Date: 19/7/21 **Place: Modinagar**

ENDORSEMENT BY THE IN- CHARGE P.G. STUDIES & THE PRINCIPAL OF THE INSTITUTE

This is to certify that Library Dissertation entitled **"SONICS AND ULTRASONICS IN ENDODONTICS"** is a bonafide research work carried out by **Dr. ANGITHA S** under the guidance of **Dr. NIKHIL PURI, Reader,** Department of Conservative Dentistry and Endodontics, Institute of Dental Studies and Technologies, Modinagar.

Seal and Signature of the Principal

Dr. GAURAV MITTAL
Principal
Institute of Dental Studies & Technologies
Modinagar (U.P.)

Date: 14/7/21
Place: Modinagar

Seal and Signature of the In-charge P.G Studies

Dr. SHALU RAI
In-charge P.G. Studies
Institute of Dental Studies & Technologies
Modinagar (U.P.)

Date: 14/7/21
Place: Modinagar

Dr.Jhilik Biswas

CERTIFICATE BY THE GUIDE

ENDORSEMENT BY THE HEAD OF DEPARTMENT

This is to certify that dissertation entitled **"COMPARATIVE EVALUATION OF DIFFERENT OSTEOSYNTHESIS MODALITIES WITH RESPECT TO LINGUAL SPLAYING IN MANDIBULAR INTER-FORAMINAL FRACTURES USING CBCT- A PROSPECTIVE STUDY"** is a bonafide research work carried out by **Dr. JHILIK BISWAS** under the guidance of **Dr. GAURAV MITTAL**, Department of Oral & Maxillofacial Surgery, Institute of Dental Studies and Technologies, Modinagar.

Seal and Signature of the HOD

Dr. GAURAV MITTAL
Director PG Studies, Professor and Head
Department of Oral & Maxillofacial Surgery
Institute of Dental Studies and Technologies, Modinagar

DATE 28/10/22

PLACE- MODINAGAR

Institute of Dental Studies & Technologies Modinagar (U.P.) Kadri

ENDORSEMENT BY THE HEAD OF DEPARTMENT

DIRECTOR PG STUDIES & PRINCIPAL OF THE INSTITUTION

This is to certify that dissertation entitled **"COMPARATIVE EVALUATION OF DIFFERENT OSTEOSYNTHESIS MODALITIES WITH RESPECT TO LINGUAL SPLAYING IN MANDIBULAR INTER-FORAMINAL FRACTURES USING CBCT- A PROSPECTIVE STUDY"** is a bonafide research work carried out by **Dr. JHILIK BISWAS** under the guidance of **Dr. GAURAV MITTAL**, Professor and Head, Department of Oral & Maxillofacial Surgery, Institute of Dental Studies and Technologies, Modinagar.

Seal and Signature of the
Director of PG Studies

Dr. GAURAV MITTAL
Professor and Head
Department of Oral & Maxillofacial Surgery
Institute of Dental Studies and
Technologies, Modinagar

DATE 28/10/22

PLACE- MODINAGAR

Seal and Signature of the Principal

Dr. SHALU RAI
Professor & Head
Department of Oral Medicine &
Radiology
Institute of Dental Studies and
Technologies, Modinagar

DATE 28/10/22

PLACE- MODINAGAR

Modinagar (U.P.)

Dr.Radhika Sharma

CERTIFICATE BY THE GUIDE

ENDORSEMENT BY THE HEAD OF DEPARTMENT

This is to certify that dissertation entitled **"IMMEDIATE IMPLANT PLACEMENT WITH /WITHOUT PLATELET RICH FIBRIN IN FRESH EXTRACTION SOCKETS WITH PERIAPICAL LESION – A COMPARATIVE PROSPECTIVE STUDY"** is a bonafide research work carried out by **Dr. RADHIKA SHARMA** under the guidance of **Dr. GAURAV MITTAL**, Department of Oral & Maxillofacial Surgery, Institute of Dental Studies, and Technologies, Modinagar.

Seal and Signature of the HOD

Dr. GAURAV MITTAL
Director PG Studies, Professor and Head
Department of Oral & Maxillofacial Surgery
Institute of Dental Studies and Technologies, Modinagar

DATE 7/11/22

PLACE- MODINAGAR

Modinagar (U.P.) Institute of Dental Studies & Technologies Kadrabad

ENDORSEMENT BY THE HEAD OF DEPARTMENT

DIRECTOR PG STUDIES & PRINCIPAL OF THE INSTITUTION

This is to certify that dissertation entitled **"Immediate implant placement with /without platelet rich fibrin in fresh extraction sockets with periapical lesion – A Comparative Prospective Study"** is a Bonafide research work carried out by **Dr. RADHIKA SHARMA** under the guidance of **Dr. GAURAV MITTAL**, Professor and Head, Department of Oral & Maxillofacial Surgery, Institute of Dental Studies, and Technologies, Modinagar.

Seal and Signature of the Director of PG Studies

Dr. GAURAV MITTAL
Professor and Head
Department of Oral & Maxillofacial Surgery
Institute of Dental Studies and
Technologies, Modinagar

DATE 7/11/22

PLACE- MODINAGAR

Seal and Signature of the Principal

Dr. SHALU RAI
Professor & Head
Department of Oral Medicine & Radiology
Institute of Dental Studies and
Technologies, Modinagar

DATE 7/11/22

PLACE- MODINAGAR

Modinagar (U.P.)

Dr.Akanksha Kumar

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"A RANDOMISED CONTROL TRIAL EVALUATING AND COMPARING HARD AND SOFT TISSUE CHANGES OF IMMEDIATELY LOADED, DELAYED LOADED SUBMERGED AND NON-SUBMERGED DENTAL IMPLANTS"** is a bonafide research work carried out by **DR. AKANKSHA KUMAR** in partial fulfillment of the requirement for the degree of **Master of Dental Surgery** in the specialty of **Prosthodontics and Crown & Bridge.**

GUIDE

DR. NEETA PASRICHA

Professor & Head

Department of Prosthodontics and Crown & Bridge

CO-GUIDE

DR. SHRIMANT RAMAN

Reader

Department of Prosthodontics
and Crown & Bridge

Date: 31.10.22

Place: Modinagar

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Modinagar (U.P.)

ENDORSEMENT BY THE HOD, DIRECTOR PG STUDIES AND PRINCIPAL OF THE INSTITUTION

This is to endorse that the dissertation entitled **"A RANDOMISED CONTROL TRIAL EVALUATING AND COMPARING HARD AND SOFT TISSUE CHANGES OF IMMEDIATELY LOADED, DELAYED LOADED SUBMERGED AND NON-SUBMERGED DENTAL IMPLANTS"** is a bonafide research work carried out by **DR. AKANKSHA KUMAR** in partial fulfillment of the requirements for the Degree of **Master of Dental Surgery** under the guidance of **DR. NEETA PASRICHA, (Professor and Head), Department of Prosthodontics and Crown & Bridge.**

Signature of HOD

DR. NEETA PASRICHA
(Professor & Head)
Department of Prosthodontics and Crown & Bridge.
Institute of Dental Studies and Technologies, Modinagar (U.P.)

Signature of the Director PG Studies

DR. GAURAV MITTAL
Director PG Studies
Institute of Dental Studies and Technologies, Modinagar (U.P.)

Date: 31 · 10 · 22
Place: Modinagar

Signature of the Principal

DR. SHALU RAI
Principal
Institute of Dental Studies and Technologies, Modinagar (U.P.)

Date: 31 · 10 · 22
Place: Modinagar

Institute of Dental Studies & Technologies Modinagar (U.P.) Kadrabad

Dr.P. Venkat Karthik

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"Evaluation of Surface Roughness and Translucency of Two Different Ceramic Materials after Polishing with Three Different Prophylactic Pastes: An In Vitro Study"** is a bonafide research work carried out by **DR. P. VENKAT KARTHIK** in partial fulfillment of the requirement for the degree of **Master of Dental Surgery** in the specialty of **Prosthodontics & Crown and Bridge.**

GUIDE

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

DR. NEETA PASRICHA
Professor & Head
Department of Prosthodontics & Crown and Bridge

CO-GUIDE

DR. KHUSHBOO
Reader
Department of Prosthodontics & Crown and Bridge

Date: 29-10-2022

Place: Modinagar

ENDORSEMENT BY THE HOD, DIRECTOR PG STUDIES AND PRINCIPAL OF THE INSTITUTION

This is to endorse that the dissertation entitled **"Evaluation of Surface Roughness and Translucency of Two Different Ceramic Materials after Polishing with Three Different Prophylactic Pastes: An In Vitro Study"** is a bonafide research work carried out by **DR. P. VENKAT KARTHIK** in partial fulfillment of the requirements for the Degree of of **Master of Dental Surgery** under the guidance of **DR. NEETA PASRICHA, Professor and Head, Department of Prosthodontics & Crown and Bridge.**

HOD

neeta

DR. NEETA PASRICHA
Professor & Head
Department of Prosthodontics & Crown and Bridge

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Signature of Director PG Studies

DR. GAURAV MITTAL
Director PG Studies
Institute of Dental Studies and Technologies Modinagar (U.P.)

Date: 29-10-2022
Place: Modinagar

Signature of the Principal

DR. SHALU RAI
Principal
Institute of Dental Studies and Technologies Modinagar (U.P.)

Date: 29-10-2022
Place: Modinagar

Dr.Vasundhara Bhati

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"Comparative Evaluation of Customized Zirconia and Titanium Abutments on Hard and Soft Tissue Changes around Early Loaded Dental Implants – An In Vivo Study"** is a bonafide research work carried out by **DR. SAHIL LUTHRA** in partial fulfillment of the requirement for the degree of **Master of Dental Surgery** in the specialty of **Prosthodontics and Crown & Bridge.**

GUIDE

DR. PALLAVI SIRANA
Reader
Department of Prosthodontics and Crown & Bridge

CO-GUIDES

DR. NEETA PASRICHA
Professor & Head
Department of Prosthodontics
and Crown & Bridge

Date: 29/10/2022
Place: Modinagar

DR. KHUSHBOO
Reader
Department of Prosthodontics
and Crown & Bridge

Date: 29/10/2022
Place: Modinagar

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Modinagar (U.P.) Kadrabad

ENDORSEMENT BY THE HOD, DIRECTOR PG STUDIES AND PRINCIPAL OF THE INSTITUTION

This is to endorse that the dissertation entitled **"A Comparative Evaluation of Marginal Fit and Microleakage of CAD-CAM Milled Zirconia and Prefabricated Posterior Occlusal Veneer – An In Vitro Study"** is a bonafide research work carried out by **DR. VASUNDHRA BHATI** in partial fulfillment of the requirements for the Degree of **Master of Dental Surgery** under the guidance of **DR. VIKRAM KAPOOR, (Professor), Department of Prosthodontics and Crown & Bridge.**

Signature of HOD

DR. NEETA PASRICHA
Professor & Head
Department of Prosthodontics & Crown and Bridge.
Institute of Dental Studies and Technologies Modinagar (U.P.)

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Signature of the Director PG Studies

DR. GAURAV MITTAL
Director PG Studies
Institute of Dental Studies and Technologies Modinagar (U.P.)

Date: 31/10/22
Place: Modinagar

Signature of the Principal

DR. SHALU RAI
Principal
Institute of Dental Studies and Technologies Modinagar (U.P.)

Date: 31/10/22
Place: Modinagar

Dr.Sahil Luthra

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"Comparative Evaluation of Customized Zirconia and Titanium Abutments on Hard and Soft Tissue Changes around Early Loaded Dental Implants – An In Vivo Study"** is a bonafide research work carried out by **DR. SAHIL LUTHRA** in partial fulfillment of the requirement for the degree of **Master of Dental Surgery** in the specialty of **Prosthodontics and Crown & Bridge.**

GUIDE

DR. PALLAVI SIRANA
Reader
Department of Prosthodontics and Crown & Bridge

CO-GUIDES

DR. NEETA PASRICHA
Professor & Head
Department of Prosthodontics
and Crown & Bridge

Date: 29/10/2022
Place: Modinagar

DR. KHUSHBOO
Reader
Department of Prosthodontics
and Crown & Bridge

Date: 29/10/2022
Place: Modinagar

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

ENDORSEMENT BY THE HOD, DIRECTOR PG STUDIES AND PRINCIPAL OF THE INSTITUTION

This is to endorse that the dissertation entitled **"Comparative Evaluation of Customized Zirconia and Titanium Abutments on Hard and Soft Tissue Changes around Early Loaded Dental Implants – An In Vivo Study"** is a bonafide research work carried out by **DR. SAHIL LUTHRA** in partial fulfillment of the requirements for the Degree of **Master of Dental Surgery** under the guidance of **DR. PALLAVI SIRANA, Reader, Department of Prosthodontics and Crown & Bridge.**

Signature of HOD

DR. NEETA PASRICHA
Professor & Head
Department of Prosthodontics and Crown & Bridge.
Institute of Dental Studies & Technologies, Modinagar (U.P.)

Signature of the Director PG Studies

DR. GAURAV MITTAL
Director PG Studies
Institute of Dental Studies & Technologies, Modinagar (U.P.)

Date: 29/10/2022
Place: Modinagar

Signature of the Principal

DR. SHALU RAI
Principal
Institute of Dental Studies & Technologies, Modinagar (U.P.)

Date: 29/10/2022
Place: Modinagar

ENDORSEMENT BY THE HOD, DIRECTOR PG STUDIES AND PRINCIPAL OF THE INSTITUTION

This is to endorse that the dissertation entitled **"Evaluation of Bond Strength of Various Ceramic Repair Systems with Ceramic Material: An In Vitro Study"** is a bonafide research work carried out by **DR. POOJA MISRA** in partial fulfillment of the requirements for the Degree of **Master of Dental Surgery** under the guidance of **DR. SHRIMANT RAMAN, (Reader), Department of Prosthodontics and Crown & Bridge.**

Signature of HOD

DR. NEETA PASRICHA
Professor& Head
Department of Prosthodontics and Crown and Bridge.
Institute of Dental Studies and Technologies Modinagar (U.P.)

Signature of the Director PG Studies

DR. GAURAV MITTAL
Director PG Studies
Institute of Dental Studies and Technologies Modinagar (U.P.)

Date: 31st Oct 22
Place: Modinagar

Signature of the Principal

DR. SHALU RAI
Principal
Institute of Dental Studies and Technologies Modinagar (U.P.)

Date: 31st Oct 22
Place: Modinagar

Dr.Tinesh Raja R R

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled **"A COMPARATIVE EVALUATION OF NANO SILVER FLUORIDE, CHLORHEXIDINE AND SODIUM FLUORIDE WHEN USED AS A VARNISH ON STREPTOCOCCUS MUTANS LEVELS IN CHILDREN WITH CARIES"** is a bonafide research work carried out by **Dr. TINESH RAJA R R** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **PEDIATRIC & PREVENTIVE DENTISTRY.**

SIGNATURE OF GUIDE

Dr. NIDHI AGARWAL
PROFESSOR & HEAD
Department of Pediatric & Preventive Dentistry
Institute of Dental Studies and Technologies
Modinagar

SIGNATURE OF CO-GUIDE

Dr. ZOHRA JABIN
PROFESSOR
Department of Pediatric & Preventive Dentistry
Institute of Dental Studies and Technologies
Modinagar

SIGNATURE OF CO- GUIDE

Dr. ASHISH ANAND
READER
Department of Pediatric & Preventive Dentistry
Institute of Dental Studies and Technologies
Modinagar

Date: 31/10/2022
Place: Modinagar

Modinagar (U.P.)

ENDORSEMENT BY THE DIRECTOR P.G. STUDIES & THE PRINCIPAL OF THE INSTITUTE

This is to certify that dissertation entitled **"A COMPARATIVE EVALUATION OF NANO SILVER FLUORIDE, CHLORHEXIDINE AND SODIUM FLUORIDE WHEN USED AS A VARNISH ON STREPTOCOCCUS MUTANS LEVELS IN CHILDREN WITH CARIES"** is a bonafide research work carried out by **Dr. TINESH RAJA** under the guidance of **Dr. Nidhi Agarwal, (Professor and Head), Department of Pediatric and Preventive Dentistry, Institute of Dental Studies and Technologies, Modinagar.**

Seal and Signature of the Principal

Institute of Dental Studies & Technologies

Principal

Dr. SHALU RAI
Principal, Professor & Head,
Department of Oral Medicine and Radiology
Institute of Dental Studies and Technologies,
Modinagar (U.P.)

Place: Modinagar
Date: 31/10/2022

Seal and Signature of the Director P.G Studies

Dr. GAURAV MITTAL
Director P.G. Studies, Professor & Head
Department of Oral and Maxillofacial Surgery
Institute of Dental Studies and Technologies,
Modinagar (U.P.)

Place: Modinagar
Date: 31/10/2022

Modinagar (U.P.)

Dr.Vabool Thakur

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled is **"DETERMINATION OF THE ROLE OF PREVENTIVE DENTAL PROGRAM IN ORAL HEALTH STATUS OF MOTHER-CHILD PAIRS: A COHORT STUDY."** is a bonafide research work carried out by **Dr. VABOOL THAKUR** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **PEDIATRIC & PREVENTIVE DENTISTRY**

SIGNATURE OF GUIDE

Dr. NIDHI AGARWAL
PROFESSOR & HEAD
Department of Pediatric & Preventive Dentistry
Institute of Dental Studies and Technologies
Modinagar

SIGNATURE OF CO-GUIDE

Dr. ZOHRA JABIN
PROFESSOR
Department of Pediatric & Preventive Dentistry
Institute of Dental Studies and Technologies
Modinagar

SIGNATURE OF CO- GUIDE

Dr. ASHISH ANAND
READER
Department of Pediatric & Preventive Dentistry
Institute of Dental Studies and Technologies
Modinagar

Date: 31 Oct 2022
Place: Modinagar

ENDORSEMENT BY THE DIRECTOR P.G. STUDIES & THE PRINCIPAL OF THE INSTITUTE

This is to certify that dissertation entitled **"DETERMINATION OF THE ROLE OF PREVENTIVE DENTAL PROGRAM IN ORAL HEALTH STATUS OF MOTHER-CHILD PAIRS: A COHORT STUDY"** is a bonafide research work carried out by **Dr. VABOOL THAKUR** under the guidance of **Dr. Nidhi Agarwal, (Professor and Head), Department of Pediatric and Preventive Dentistry, Institute of Dental Studies and Technologies, Modinagar.**

Seal and Signature of the Principal

Institute of Dental Studies & Technologies

Principal

Dr. SHALU RAI
Principal
Professor and Head
Department of Oral Medicine & Radiology
Institute of Dental Studies and Technologies,
Modinagar (U.P.)

Date: 31 Oct 2022
Place: Modinagar

Seal and Signature of the Director P.G Studies

Dr. GAURAV MITTAL
Director P.G. Studies
Professor and Head
Department of Oral & Maxillofacial Surgery
Institute of Dental Studies and Technologies,
Modinagar (U.P.)

Date: 31 Oct 2022
Place: Modinagar

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Dr.Zoya Tanvir

CERTIFICATE BY THE GUIDE

This is to certify that dissertation entitled is **"Comparative Evaluation of Antimicrobial Efficacy of Nanosilver Solution, Azadirachta indica, Sodium Hypochlorite and Normal Saline as Root Canal Irrigants in Primary Teeth"** a bonafide research work carried out by **Dr. ZOYA TANVIR** in partial fulfillment of the requirement for the degree of **MASTER OF DENTAL SURGERY** in the specialty of **PEDIATRIC & PREVENTIVE DENTISTRY**

SIGNATURE OF GUIDE

Dr. ZOHRA JABIN
PROFESSOR
Department of Pediatric & Preventive Dentistry
Institute of Dental Studies and Technologies
Modinagar

SIGNATURE OF CO-GUIDE

Dr. NIDHI AGARWAL
PROFESSOR & HEAD
Department of Pediatric & Preventive Dentistry
Institute of Dental Studies and Technologies
Modinagar

SIGNATURE OF CO- GUIDE

Dr. ASHISH ANAND
READER
Department of Pediatric & Preventive Dentistry
Institute of Dental Studies and Technologies
Modinagar

Date: 31/10/2022
Place: Modinagar

ENDORSEMENT BY THE DIRECTOR P.G. STUDIES & THE PRINCIPAL OF THE INSTITUTE

This is to certify that dissertation entitled **"Comparative Evaluation of Antimicrobial Efficacy of Nanosilver Solution, Azadirachta indica, Sodium Hypochlorite and Normal Saline as Root Canal Irrigants in Primary Teeth"** is a bonafide research work carried out by **Dr. ZOYA TANVIR** under the guidance of **Dr. Zohra Jabin, (Professor), Department of Pediatric and Preventive Dentistry, Institute of Dental Studies and Technologies, Modinagar.**

Seal and Signature of the Principal

Institute of Dental Studies & Technologies

Principal

Dr. SHALU RAI
Principal & Head
Department of Oral Medicine and Radiology
Institute of Dental Studies and Technologies,
Modinagar (U.P.)

Date: 31/10/22
Place: Modinagar

Seal and Signature of the Director P.G Studies

Dr. GAURAV MITTAL
Director P.G. Studies & Head
Department of Oral and Maxillofacial Surgery
Institute of Dental Studies and Technologies,
Modinagar (U.P.)

Date: 31/10/22
Place: Modinagar

Modinagar (U.P.) Kadrabad

Dr.Pankaj Verma

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

This is to certify that dissertation entitled "**An Immunohistochemical analysis of expression of E cadherin & β catenin in various histopathological variants of oral squamous cell carcinoma - 'A prognostic assessment'**" is a bonafide research work carried out by **Dr. Pankaj Verma** under the guidance of **Dr. NUTAN TYAGI, (Professor and Head), Department of Oral Pathology and Microbiology, Institute of Dental Studies and Technologies, Modinagar.**

Dr. NUTAN TYAGI
Professor & Head
Department of Oral Pathology and Microbiology
Institute of Dental Studies & Technologies
Modinagar

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Date: 01-11-2022

Place: Modinagar

ENDORSEMENT BY THE DIRECTOR P.G. STUDIES & THE PRINCIPAL OF THE INSTITUTE

This is to certify that dissertation entitled **"An Immunohistochemical analysis of expression of E cadherin & β catenin in various histopathological variants of oral squamous cell carcinoma - 'A prognostic assessment'"** is a bonafide research work carried out by **Dr. Pankaj Verma** under the guidance of **Dr. NUTAN TYAGI, (Professor), Department of Oral Pathology and Microbiology, Institute of Dental Studies and Technologies, Modinagar.**

Institute of Dental Studies & Technologies

Principal

Seal and Signature of the Principal

Seal and Signature of the Director P.G Studies

Dr. SHALU RAI
Principal & Head
Department of Oral Medicine and Radiology
Institute of Dental Studies and Technologies,
Modinagar (U.P.)

Dr. GAURAV MITTAL
Director P.G. Studies & Head
Department of Oral and Maxillofacial Surgery
Institute of Dental Studies and Technologies,
Modinagar (U.P.)

Date: 01-11-2022
Place: Modinagar

Date: 01-11-2022
Place: Modinagar

Institute of Dental Studies & Technologies Modinagar (U.P.)

Dr.Sabreen Afzal

ENDORSEMENT BY THE HEAD OF THE DEPARTMENT

This is to certify that dissertation entitled **"Role of VEGF and Ki-67 as prognostic and diagnostic markers in different grades of Oral squamous cell carcinoma- An immunohistochemical study"** is a bonafide research work carried out by **Dr. Shabreen Afzal** under the guidance of **Dr. AKANSHA MISRA, PROFESSOR, Department of Oral Pathology and Microbiology, Institute of Dental Studies and Technologies, Modinagar.**

Dr. NUTAN TYAGI
Professor & Head
Department of Oral Pathology and Microbiology
Institute of Dental Studies & Technologies
Modinagar

INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Date: 7-11-22

Place: Modinagar

Modinagar * Kadrabad *

ENDORSEMENT BY THE DIRECTOR P.G. STUDIES & THE PRINCIPAL OF THE INSTITUTE

This is to certify that dissertation entitled **"Role of VEGF and Ki-67 as prognostic and diagnostic markers in different grades of Oral squamous cell carcinoma - An immunohistochemical study"** is a bonafide research work carried out by **Dr. Shabreen Afzal** under the guidance of **Dr. AKANSHA MISRA, PROFESSOR, Department of Oral Pathology and Microbiology, Institute of Dental Studies and Technologies, Modinagar.**

idst
INSTITUTE OF DENTAL STUDIES & TECHNOLOGIES

Seal and Signature of the Principal

Dr. SHALU RAI
Principal & Head
Department of Oral Medicine and Radiology
Institute of Dental Studies and Technologies,
Modinagar (U.P.)

Date: 7-11-22
Place: Modinagar

Seal and Signature of the Director P.G Studies

Dr. GAURAV MITTAL
Director P.G. Studies & Head
Department of Oral and Maxillofacial Surgery
Institute of Dental Studies and Technologies,
Modinagar (U.P.)

Date: 7-11-22
Place: Modinagar