



Maratha Mandal's

Nathajirao G Halgekar Institute of Dental Sciences & Research Centre,
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1.3.4 List of students undertaking research projects for the preceding academic year

Sl.No	Name of the student	Title of the Research Project	Year
1	Dr Aishwarya Sinha	Comparative evaluation of colour matching for single and group shade composite resin using spectrophotometer: an invitro study	I MDS
2	Dr. Sait Sameer Amjad	Comparative assessment of shear bond strength of 3 different types of gic to mta and biodentine and evaluation of the failure modes -an in vitro study	I MDS
3	Dr. Pranjal Devidas Bhosale	Comparative evaluation of sealer penetration in the apical dentinal tubules in presence and absence of smear layer an in vitro fluorescent microscope study	I MDS
4	Dr. Asha K	Comparative evaluation of different endodontic access cavity designs on canal transportation and centering ability in mandibular molars using trunatomy files system an in vitro cbct study	I MDS
5	Dr. Medha Kulkarni	Comparative evaluation of staining ability of cola based rink, coffee, food colour and turmeric on bleached teeth at different time intervals :an invitro spectrophotometric study	I MDS
6	Dr.Sanjeevini	Correlation between growth pattern and curve of spee a retrospective study	I MDS
7	Dr. Poojita Prakash Hegde	Assessment of canine & lateral incisor root dimation along with alveolar bone thickness in patients with displaced maxillarycaninnes a cone beam tomographic study	I MDS
8	Dr. Jyotisha Das	Comparing the effects of low level laser therapy with micro osteoperformation in accelerating orthodontics tooth movement an in vovo study	I MDS
9	Dr Yashaswini Shashikant Angolkar	Effect of laser photobiomodulation on post operative pain after single visit endodontics treatment in children,-arandomized controlled trial	I MDS
10	Dr. Anvekar Mitaj Pandarinath	Evaluating the efficacy of cavity disinfection using methylene blue dye with 660 nm diode laser on primary molars - an in vivo study	I MDS

Dr. Ramakant Nayak
Principal



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11	Dr. Deepa Maralingannavar	Antimicrobial photodynamic therapy mediated by methylene blue and doxycycline as photosensitizers on prevotella intermedia, tannerella forsythia and gingivalis, an invitro study	I MDS
12	Dr. Swarali Krishnakumar Chavan	Comparison of effect of cooling techniques on the intrapulpal temperature rise using two different provisional materials during provisionalization by direct technique an in vitro study	I MDS
13	Dr. S. Divya	Biosynthesis and osteogenic effect of cerium oxide nano particles extracted from aloe barbadensis miller when coated on titanium alloy- an invitro study	I MDS
14	Dr. Joseph Thomas	An invitro study to compare the effect of 3 different commercially available denture adhesive materials on the crown of candida albicans and streptococcus mutans	I MDS
15	Dr. Somesh Shivanand Pattanshetti	Evaluation and comparison antifungal properties of tissues conditioners incorporated with and without hibiscus extract: an in vitro study	I MDS
16	Dr. Akanksha Virendra Gaonkar	“Evaluation and comparison of the amount of gutta-percha penetration into lateral canals by using three different obturation techniques” -an invitro study.	II MDS
17	Dr. Gunnam Anjany Chowdary	To evaluate and compare the antimicrobial effect of calcium hydroxide, triple antibiotic paste, 2% chlorhexidine gel and augmentin against e. Faecalis – an in vitro study	II MDS
18	Dr. Mohammed Suhail Mirza	Evaluation and comparison of shear bond strength of composite resin to mta repair hp with three different bonding systems – an invitro study	II MDS
19	Dr. Nigel Antonio De Menezes	Comparative thermographic assessment of root surface temperature among maxillary and mandibular incisors generated by high temperature thermoplasticised gutta percha continuous wave obturation technique – an invitro study	II MDS

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20	Dr. Sahana Umesh	Comparative evaluation of apically extruded debris and canal transportation using protaper Gold, XP-Endo Shaper and trunatomy rotary systems in curved root canals: An invitro study	II MDS
21	Dr. Akshay Biradar	Clinical assessment and comparative evaluation of the effects of hawley's and essix retainer on periodontal health: an in vivo study	II MDS
22	Dr. Aswin Joseph	Comparative assessment of maxillary arch changes after levelling and alignment using selfy self ligating and 3m gemini conventional brackets-an invivo study	II MDS
23	Dr. Shivaleela	Dentoskeletal and soft tissue changes concurrent to use of powerscope appliance in treatment of class ii malocclusion –a retrospective cephalometric study.	II MDS
24	Dr. K S Vikaraman	Comparative evaluation of the antibacterial efficacy of radial firing laser technology on bacteria beyond the apices of deciduous root canals prepared using trunatomy rotary files and conventional hand files - an ex vivo study	II MDS
25	Dr. Srinivas K S	Comparative evaluation of disinfecting ability of 2.5% sodium hypochlorite solution and 5.25% sodium hypochlorite gel against enterococcus faecalis contaminated primary root canals with and without 810 nm diode laser an ex vivo study.	II MDS
26	Dr. Vinuta M Bhandi	Invitro evaluation of antimicrobial activity of ethanolic extract of cuminium cyminium in comparison to calcium hydroxide as intracanal medicament on common bacteria of endodontic infections	II MDS
27	Dr. Anisha Jose	Evaluation and comparision of adhesion of porphyromonas gingivalis on annion membrane treated with commercially available cetylpyridinium chloride containing mouthwash using real time pcr: an invitro study	II MDS


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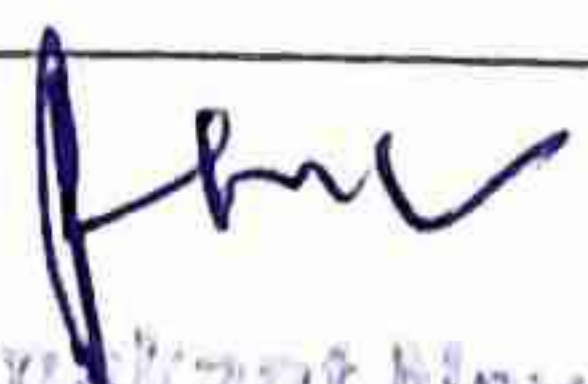
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28	Dr. Gandla Harish	Determination and comparison of anti-inflammatory activity of aqueous and alcoholic extracts of “amorphophallus paeoniifolius” on mmp2 and mmp9.-an in-vitro study.	II MDS
29	Dr. Jain Darsha Lalitkumar	Effect of low-level laser therapy on the proliferation of gingival fibroblasts treated with curcumin- an in vitro study	II MDS
30	Dr. Naseema Begum Nidagundi	Evaluation and comparison of two commercially available mouthwashes on gingival fibroblast survival and migration- an in-vitro study	II MDS
31	Dr. Sowmya B R	Determination of the antibiofilm activity of aqueous extract of amorphophallus paeoniifolius on early and late colonizers in an artificially synthesized dental biofilm-an in vitro study	II MDS
32	Dr. Dadhania Nidhi Mansukhbhai	Evaluation and comparison of antifungal properties of tissue conditioner with and without curcumin nanoparticles: an invitro study.	II MDS
33	Dr. Prajakta Vishwas Tumari	Biosynthesis and osteogenic effect of iron oxide nanoparticles extracted from tinospora cordifolia when coated on titanium alloy – an in vitro study	II MDS
34	Dr. Shilpa Soman	Comparative evaluation of antimicrobial properties of alginate impression material incorporated with and without silver and titanium dioxide nano particles: an in vitro study.	II MDS
35	Dr. Supriya Shukla	Evaluation and comparison of efficacy and dimensional accuracy of polyvinylsiloxane impression material after chemical disinfection and microwave irradiation- an in vitro study	II MDS
36	Dr. Walawalkar Saili Ajit	Comparison of the efficacy of cooling techniques and matrix materials on the intrapulpal temperature during provisionalization by direct technique an in vitro study.	II MDS


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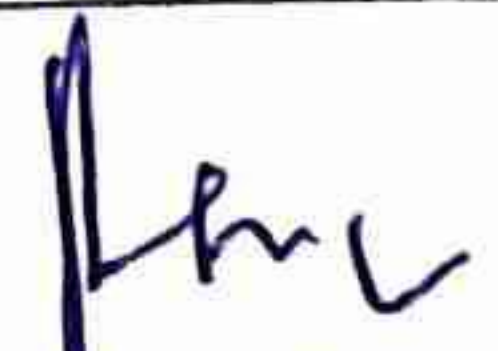
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Sl.No	Name of the student	Title of the Research Project	Year
37	Dr. Aishwarya Tamse	Comparision of anti-microbial efficacy of curcumin and chitosan nanoparticles with and without photoactivation against single species biofilm of candida albicans an invitro study	III MDS
38	Dr. Annu Kumar	Comparision of the effect of ferric sulphate medicament on the dimensional stability of three comercially avaiable polyvinyl siloxane impression material material an invitru study	III MDS
39	Dr. Divyashree Dandavati	Comparative evealuation of shear bond strength of composite resin to bleached enemel treated with two antioxidants an invitro study	III MDS
40	Dr. Kadam Krutika Kiran	Multiplex polymerase chain reaction based identification of select black pigmented prevotella species in symptomatic and asymptomatic primary endodontic infections a cross sectional study	III MDS
41	Dr. Lovin Valsan Mathew	Comparitive analysis of push-out bond strength of glass ionomer cement type-ii, pro-root mta and biodentine in furcal perforations with and without blood contamination: an invitro study	III MDS
42	Dr. Seema B. Hanjagi	Comparative evaluation of the effect of 7% maleic acid and smearoff irrigating solutions on smear layer removal and microhardness of root canal dentinac an invintro study	III MDS
43	Dr. Mangali Naveen Kumar	Evaluation and comparision of commonly used elastomeric chains in orthodontics an in-vitro study	III MDS
44	Dr. Nithine Kuriakose	Assessment of sagittal and vertical lip positions in skeletal growth patterns "a cross sectional study	III MDS
45	Dr. Shwetha D.	Evaluation & comparison of salivary alkaline phosphatase activity, protein concentration and chronological age as indicators for skeletal maturity" a cross sectional study	III MDS
46	Dr. Priya Piswanathan K	Comparative evaluation of anti bacterial efficacy of laser photodynamic therapy against chlorhexidine on oral biofilms an in vitro study	III MDS
47	Dr. Ramachandra Talwar	Laser photo biomodulation for non pharmacologic pain control after dental extractions in 6 to 9 years old pediatric patients: a randomized controlled clinical trial	III MDS


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48	Dr. Shiv Kumar Hiremath	A comparative evaluation of the proliferatory activity between emdogain and nanocurcumin on the human periodontal ligament fibroblasts: an in vitro study	III MDS
49	Dr. Akshata Kutre	Evaluation of the passage of aggregatibacter actinomycetemcomitans through tetracycline loaded amnion membrane, an invitro study	III MDS
50	Dr. K.V. Varshitha	Detection and comparison of archaea in healthy, gingivitis and chronic periodontitis subjects by using conventional pcr	III MDS
51	Dr. Kahon Chakraborty	Quantification and comparison of treponema lecithinolyticum in healthy and chronic periodontitis subjects using real time-pcr.	III MDS
52	Dr. Rajesh Patnaik	Detection of filifactor alocis in healthy individuals and in patients with chronic periodontitis by fluorescent in situ hybridisation	III MDS
53	Dr. V. Sai Chandini Srinivas	Determination of the antibiofilm property of aqueous extract of allium sativum on p.gingivalis, p.intermedia and f.nucleatum in an artificially synthesized dental biofilm	III MDS
54	Dr. Ektha Pai T	Comparison of titanium dioxide nanoparticles and silver nanoparticles for flexural strength when incorporated in heat cure acrylic denture base resin an in vitro study	III MDS
55	Dr. G Sruthi	Comparative evaluation of trueness of implant surgical guide fabricated using two different 3d printers an in vitro study	III MDS
56	Dr. Tumma Sri Hari Priya	Evaluation of antimicrobial properties of tissue conditioner incorporated with silver nanoparticles: an in vitro study	III MDS
57	Dr. Veena Pattanshetty	Evaluating and comparing antifungal efficacy of aloe vera and tulsi incorporated in denture soft liner: an in vitro study	III MDS


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Sl.No	Name of the student	Title of the Research Project	Year
58	Mr. Viraj Nesargi	Assessment of cotinine levels in saliva among smokers and non-smokers in Belagavi city-A Clinical Study.	IV BDS
59	Miss. Rani Paaragannavar	Evaluation of antioxidant and anticancer activity of Ajwain extract on oral cancer cell lines – an in vitro study	IV BDS
60	Miss. Priyanka Beneke	Comparative evaluation of antimicrobial effect, antibiofilm effect and quorum sensing inhibition of Clitoria Ternatea and Chlorhexidine against Streptococcus mutans	IV BDS


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COMPLETION CERTIFICATE
OF
RESEARCH PROJECT
(PRECEEDING ACADEMIC YEAR - 2021-22)

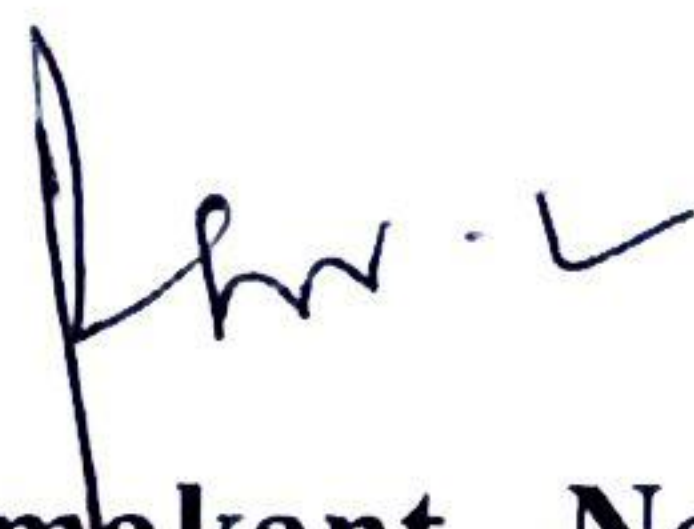
**RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES,
BENGALURU, KARNATAKA**



**ENDORSEMENT BY THE HOD, PRINCIPAL/HEAD OF THE
INSTITUTION**

This is to certify that the dissertation entitled “**COMPARISON OF ANTI-MICROBIAL EFFICACY OF CURCUMIN AND CHITOSAN NANOPARTICLES WITH AND WITHOUT PHOTOACTIVATION AGAINST SINGLE SPECIES BIOFILM OF CANDIDA ALBICANS – AN INVITRO STUDY**” is a bonafide research work done by **Dr. AISHWARYA SHIVADAS TAMASE.** under the guidance of **DR. SHEETAL KUBASAD** Professor, Department of Conservative dentistry and Endodontics. Maratha Mandal's Nathajirao .G. Halgekar Institute of Dental Sciences and Research Center, Belagavi.


Dr. Madhu Pujar, MDS
Professor & HOD
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Date: 3/11/2022

Date : 3/11/2022

Place: Belagavi

Place : Belagavi


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& Research Centre, Belagavi-590010.



ENDORSEMENT BY THE HOD & PRINCIPAL/HEAD OF THE INSTITUTION

This is to certify that this dissertation entitled **COMPARISON OF THE EFFECT OF FERRIC SULPHATE MEDICAMENT ON THE DIMENSIONAL STABILITY OF THREE COMMERCIALLY AVAILABLE POLYVINYL SILOXANE IMPRESSION MATERIAL – AN IN-VITRO STUDY** is a bonafide research work done by **DR. ANNU KUMAR** under the guidance of **Dr. VIRAJ N. PATIL M.D.S.**, Professor Department of Prosthodontics and Crown and Bridge including Implantology, Maratha Mandal's Nathajirao G. Halgekar Institute of Dental Sciences and Research Centre, Belagavi - 590010.

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Belagavi - 590010

Date: 17/01/2022

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Dr. Ramakant Nayak

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**RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES,
BENGALURU**



**ENDORSEMENT BY THE HOD, PRINCIPAL/HEAD OF THE
INSTITUTION**

This is to certify that the dissertation entitled “**COMPARATIVE EVALUATION OF SHEAR BOND STRENGTH OF COMPOSITE RESIN TO BLEACHED ENAMEL TREATED WITH TWO ANTIOXIDANTS – AN INVITRO STUDY**” is a bonafide research work done by **Dr. DIVYASHREE D. DANDAVATI** under the guidance of **Dr. MADHU PUJAR**, Professor and Head, Department of Conservative dentistry and Endodontics.


Dr. Madhu Pujar.MDS
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Date: 14/12/2021

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This is to certify that the dissertation entitled “MULTIPLEX POLYMERASE CHAIN REACTION BASED IDENTIFICATION OF SELECT BLACK PIGMENTED PREVOTELLA SPECIES IN SYMPTOMATIC AND ASYMPTOMATIC PRIMARY ENDODONTIC INFECTIONS – A CROSS-SECTIONAL STUDY” is a bonafide research work done by **DR. KADAM KRUTIKA KIRAN** under the guidance of **DR. HEMANT VAGARALI**, Professor , Department of Conservative dentistry and Endodontics.


Dr. Madhu Pujar.MDS

Professor & HOD

Department of Conservative

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INSTITUTION

This is to certify that the dissertation entitled “**COMPARITIVE ANALYSIS OF**
PUSH-OUT BOND STRENGTH OF GLASS IONOMER CEMENT TYPE-II,
PRO-ROOT MTA AND BIODENTINE IN FURCAL PERFORATIONS WITH AND
WITHOUT BLOOD CONTAMINATION: AN INVITRO STUDY” is a bonafide
~~research~~ work done by **Dr. LOVIN VALSAN MATHEW** under the guidance of
~~Dr.~~ **VEERENDRA M. UPPIN**, Professor, Department of Conservative dentistry and
~~Endodontics~~.


Dr. Madhu Pujar, MDS

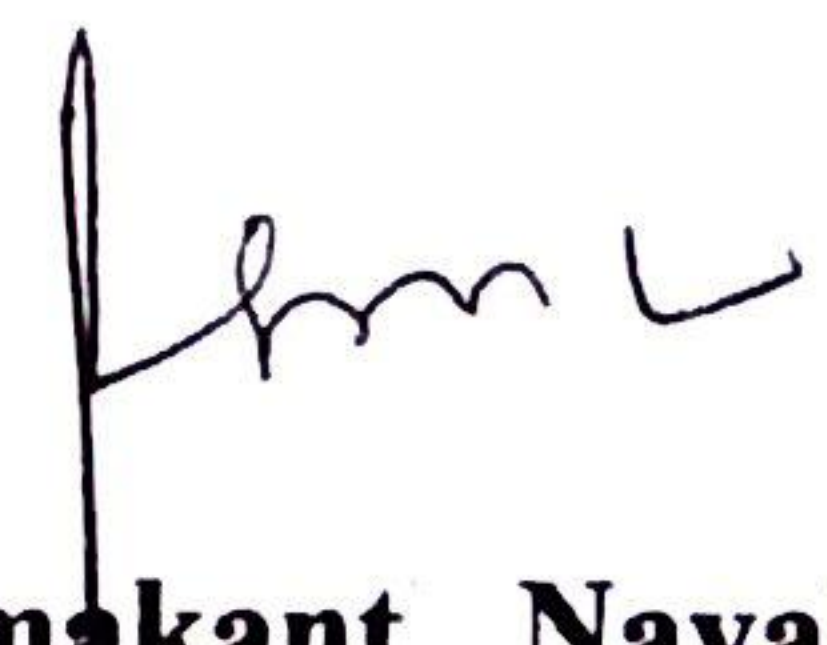
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Department of Conservative Dentistry

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**RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES,
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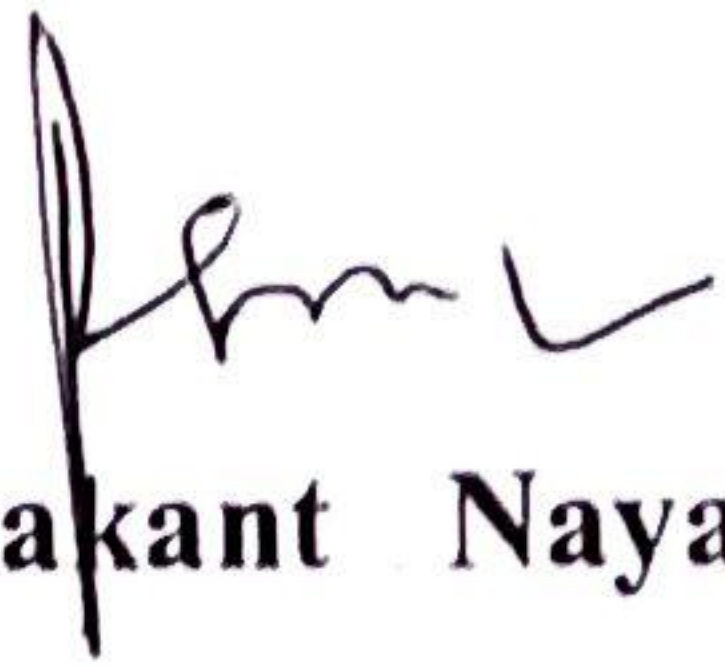
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Date: 14/12/2021

Place: Belagavi


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RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES,

BANGALORE



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This is to certify that the dissertation entitled "EVALUATION AND COMPARISON OF FORCE DEGRADATION OF COMMONLY USED ELASTOMERIC CHAINS IN ORTHODONTICS: AN IN-VITRO STUDY" is a bonafide research work done by DR. NAVEEN KUMAR MANGALI under the guidance of Dr. VIJAY R.NAIK MDS, Professor and head, Department of orthodontics and dentofacial orthopedics. Maratha Mandal's Nathajirao. G. Halgekar Institute of Dental Sciences and Research Centre, Belagavi.

DR. VIJAY NAIK

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Dr. Vijay R. Naik. MDS

Professor & HOD

Department of Orthodontics and
dentofacial orthopedics .Maratha
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Centre, Belagavi.

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Date: 17/01/2022

Place: Belagavi

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**RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES,
BANGALORE, KARNATAKA**

**ENDORSEMENT BY THE HOD, PRINCIPAL/ HEAD OF THE
INSTITUTION**

This is to certify that the dissertation titled "ASSESSMENT OF SAGITTAL AND VERTICAL LIP POSITIONS IN DIFFERENT SKELETAL GROWTH PATTERNS – A CROSS SECTIONAL STUDY" is a bonafide research work done by **DR. NITHINE KURIAKOSE** under the guidance of **DR. VIKRAM PAI M.D.S** Professor, Department of Orthodontics and Dentofacial Orthopaedics, Maratha Mandal's Nathajirao G. Halgekar Institute of Dental Sciences and Research Centre, Belagavi.

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Professor and Head

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DR. VIJAY R. NAIK M.D.S Belgaum 590010

Professor and Head of Department

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Date: 15/12/2021

Place: Belagavi

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BANGALORE, KARNATAKA

ENDORSEMENT BY THE HOD, PRINCIPAL/HEAD OF THE INSTITUTION

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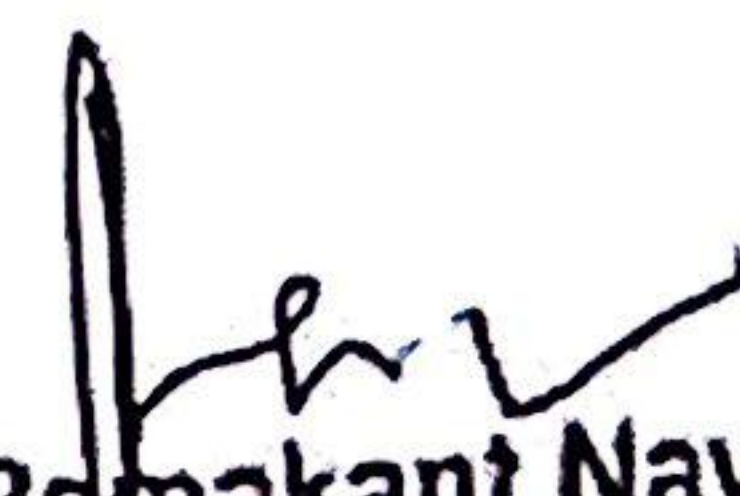
Professor and Head
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Halgekar Institute of Dental Sciences
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Halgekar Institute of Dental Sciences
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