

**The Annual Quality Assurance Report (AQAR) of the IQAC**  
***(July 1, 2019 to June 30, 2020)***

**Part – A**

**Data of the Institution**

*(data may be captured from IIQA)*

**1. Name of the Institution: Manipal College of Dental Sciences, Mangalore**

Name of the Head of the institution: Dr Ashita S Uppoor

- Designation: HOI, The Dean
- Does the institution function from own campus: Yes
- Phone no./Alternate phone no.: 0824-2428716/2422271
- Mobile no.: 9880038082
- Registered e-mail: [codsmng@manipal.edu](mailto:codsmng@manipal.edu)
- Alternate e-mail : [dean.mcodsmlr@manipal.edu](mailto:dean.mcodsmlr@manipal.edu)
- Address: Light House Hill Road, Mangalore – 575 001

City/Town: Mangalore

State/UT: Karnataka

Pin Code: 575001

**2. Institutional status:**

- Affiliated / Constituent: Constituent
- Type of Institution: Co-education/Men/Women: Co-education
- Location: Rural/Semi-urban/Urban: Urban
- Financial Status: Self financing
- Name of the Affiliating University: Manipal Academy of Higher Education
- Name of the IQAC Co-ordinator: Dr. Ramya Shenoy
- Phone no.: 0824-2428716
- Alternate phone no.0824 2423805
- Mobile: 9880450277
- IQAC e-mail address: [iqac.mcodsmlr@manipal.edu](mailto:iqac.mcodsmlr@manipal.edu)
- Alternate Email address: [ramya.shenoy@manipal.edu](mailto:ramya.shenoy@manipal.edu)

3. Website address: [www.manipal.edu/mcods-mangalore.html](http://www.manipal.edu/mcods-mangalore.html)

Web-link of the AQAR: (Previous Academic Year): <https://webmail.manipal.edu/>

For ex. <http://www.ladykeanecollege.edu.in/AQAR2018-19.pdf>

4. Whether Academic Calendar prepared during the year? yes

if yes, whether it is uploaded in the Institutional website:

Web link: [www.manipal.edu/mcods-mangalore.html](http://www.manipal.edu/mcods-mangalore.html)

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 <sup>st</sup>	B <sup>+</sup>	---	Oct 1, 2002	From: Oct 1 2002 to: 30 Sep 2007
2 <sup>nd</sup>	A	3.30	July 11, 2016	From:11 July 2016 to: 10 July 2021

6. Date of Establishment of IQAC: DD/MM/YYYY: 02/02/2016

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
<ul style="list-style-type: none"><li><i>Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements</i></li></ul>	Sep 9, 2020, 10.30-11.30 (1 Hr)	27
<ul style="list-style-type: none"><li><i>Academic Administrative Audit (AAA) conducted and its follow up action</i></li></ul>	As per the email received from director quality MAHE Manipal dated 4 <sup>th</sup> July 2020 the internal audit was postponed (due the COVID pandemic). Agenda points were mentioned and discussed in MRM (31/07/2020)	
<i>Participation in NIRF</i>	December 2019	
<ul style="list-style-type: none"><li><i>ISO Certification (ISO 9001:2015, 14001:2015 &amp;50001:2011)</i></li></ul>	-	2 Audits (1 Internal, 1 External)

**Note: Some Quality Assurance initiatives of the institution are:**

**(Indicative list)**

- Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements*
- Academic Administrative Audit (AAA) conducted and its follow up action*
- ISO Certification (ISO 9001:2015,14001:2015 &50001:2011)*

- Any other Quality Audit – Participation National Magazine Survey – NIRF, OUTLOOK, INDIA TODAY, THE WEEK

**8. Provide the list of funds by Central/ State Government-**

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount(Rs)
Dr Ashwini Rao	Effectiveness of a school-based tobacco free intervention on adolescents' knowledge and exposure to Second Hand Tobacco Smoke – A multiphase study”	Public Health Foundation of India	2019	13,77,992/-
Dr. Asavari Desai	Assessment of the effect of submucosal injection of platelet rich plasma (PRP) on the rate of orthodontic tooth movement and expression of IL1, IL-6 on the rate of orthodontics- A split mouth randomised controlled trial	ICMR	2019	4,72,550
Dr.Shrehya Shekhar Co-Investigator: Dr. Suprabha B S	Effectiveness of an active and passive distraction technique on the anxiety, behaviour and pain levels of	ICMR	2019	50,000

	children while administering local anaesthesia: a randomized clinical trial administering local anaesthesia: a randomized clinical trial			
Ms Madhumitha M Co- Investigator: Dr. Dharnappa Poojary	Use of Substance of abuse among students of Health Professional Colleges in Mangalore: A qualitative exploration of their causes	ICMR	2019	20,000

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: Yes

10. No. of IQAC meetings held during the year: 1 (February 3,2020)

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website

Yes/No: No

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? No

If yes, mention the amount: - Year: -

12. Significant contributions made by IQAC during the current year (maximum five bullet)

✚ Outcome – Based Education

✚ Dental Clinical Photography

✚ Eye for Implantology: Beginners Workshop

✚ eViDENS 2019- A workshop on Research Methodology, Epidemiology, Biostatistics and Ethics

- ✚ MAX Facts 2019- Emergency Skills for Dentists,
- ✚ Participation in NIRF Ranking instituted by Govt.of India
- ✚ The GRASP (Guidance in Research and Student Partnership). GRASP was initiate to improve and facilitate undergraduate research
- ✚ Restor Endo 4
- ✚ 2nd International Tweed Merrifield course with (Tweed certified instructors from Korean Orthodontic Research Institute, South Korea)
- ✚ Pathway for success (orthodontics +IDA)
- ✚ Pedoapp 2019
- ✚ International Symposium on Dentistry titled “Dentistry: Now and Beyond” (PHD)
- ✚ “An overview on Peri implant diseases by Periodontics
- ✚ International Yoga day celebration
- ✚ “Patho-logue” on clinico-pathological correlation of common oral lesions
- ✚ ‘Damon technique’ by orthodontics
- ✚ Individually Trained Oral Prophylaxis (iTOP)
- ✚ “Guided tissue regeneration”- by Prosthodontics

**13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year**

Plan of Action	Achievements/Outcomes
Emphasis on Research	Research projects of worth: ₹13,77,992/- CPDs (Continuing Professional Development) conducted: 35 Workshops conducted- 8+7=15 Publications in National and International Scientific Journals: 117 Conference Presentations: 43 Pursuing PhD: 02
Community Programme	Number of Community Dentistry camps conducted: 339, and Patients treated: 35,584 Schools camps conducted: 45 Other Social Welfare Initiatives like visit to Bhalikashram (Shelter home for severe disease infected Children), Prashanth Nivas (Orphanage cum Old age home), and White Doves (Home for Destitute)
Others	NIRF -6 <sup>TH</sup> place in All India NIRF Ranking 11 <sup>th</sup> among all India dental colleges and 3 <sup>rd</sup>

	<p>best among private dental colleges in India. India Today Outlook magazine survey, we have been ranked overall 7<sup>th</sup> among dental colleges in India and 4<sup>th</sup> among private colleges.</p> <p>“Guident Academic Excellence Awards 2019” -3 Student Exchange Programme with UiTM, Malaysia, Portsmouth, UK, Soft skill workshop: 01 ISO 9001:2015 , 14001:2015 and 50001:2011</p>
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**14.** Whether the AQAR was placed before statutory body? Yes /No: No

Name of the Statutory body: Date of meeting(s): NA

**15.** Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

Yes/No: No

Date: NA

**16.** Whether institutional data submitted to AISHE: Yes/No: Yes

Year: 2020

Date of Submission: 28/2/2020

**17.** Does the Institution have Management Information System?

Yes

If yes, give a brief description and a list of modules currently operational.

(Maximum 500 words)

The Institute has following Management Information Systems:

Patient Management System, Purchase and Inventory, Employee Self Service, SLCM (Student Life Cycle Management), E-pads for exams, Financial Accounting System, Biometric attendance system for faculty, Manipal University website, Purchase and Inventor, ESP – HR, Employee Self Service, RMS Portal, Management Information System, E learning, Library portal, Telephone Directory, KH info Hospital Intranet, Event Management System

## Part-B

<b>CRITERION I – CURRICULAR ASPECTS</b>				
<b>1.1 Curriculum Planning and Implementation</b>				
1.1.1 Institution has the mechanism for well-planned curriculum delivery and documentation. Explain in 500 words				
The Curriculum delivery, Sessional and University exams are planned before the start of Academic year by the Institute as well as respective departments. The time table and curriculum delivery is made available to all stake holders through website and through notice board display.				
1.1.2 Certificate/ Diploma Courses introduced during the Academic year				
Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
Certificate Course in Micro Implant Anchorage – C62	October 2019		Yes	Yes
<b>1.2 Academic Flexibility</b>				
1.2.1 New programmes/courses introduced during the Academic year				

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
Certificate Course in Micro Implant Anchorage – C62	October 2019		
1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.			
Name of Programmes adopting CBCS	-	Date of implementation of CBCS / Elective Course System	-
-	-		-
Already adopted (mention the year)			-
1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year			
No of Students	Certificate	Diploma Courses	
4	Certificate Course in Minor Oral Surgery	-	
15	Certificate program in Modern Endodontic Practice	-	

06	PG certificate in Advanced Restorative Dentistry	-
14	Certificate course in Cone Beam Computed Tomography	-
4	Certificate Course in Minor Oral Surgery	-
15	Certificate Course in Forensic Odontology	-

### 1.3 Curriculum Enrichment

#### 1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled
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#### 1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
Final year BDS students field visit to Water Treatment Plant	86
Primary Health Centre	99
1: Milk Dairy field visit by MDS student of Public Health Dentistry	1
MDS (Paedodontics and Preventive Dentistry) Students Screening camp at St. Agnes School Mangalore, Madhusudhan Kushe School, Bondel, Kottara	6
MDS (Paedodontics and Preventive Dentistry): Early Learning Centre, Bejai, Mangalore, KREC Higher Primary School, Surathkal	9

### 1.4 Feedback System

#### 1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	No	Yes	Yes

#### 1.4.2 How the feedback obtained is being analysed and utilized for overall development of the institution? (maximum 500 words)

Online Feedback from students of all the years is taken for all subjects. The curriculum delivery feedback is



taken every year in Nov/Dec. In addition, feedback is taken on the conduct of examination, Infrastructure, Hostels, Food, Administration. The Parents' feedback is taken on Graduation Day. Faculty members give the feedback on all the Operational and Administrative aspects. All these are done online and the information is made available to the concerned authorities and for corrective measures. The feedback taken from Patients discussed in monthly core committee meeting and corrective measures are taken.

## **CRITERION II -TEACHING-LEARNING AND EVALUATION**

### **2.1 Student Enrolment and Profile**

#### **2.1. 1 Demand Ratio during the year**

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
BDS	100	Admission through Centralized NEET Ranking	100
MDS	31	Admission through Centralized NEET Ranking	23

### **2.2 Catering to Student Diversity**

#### **2.2.1. Student - Full time teacher ratio (current year data)**

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses
2019-20	514	69	46	-

### **2.3 Teaching - Learning Process**

#### **2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)**

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms
79	79	15	4	4

#### **2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)**

Yes – Teacher guardian mentorship

Number of students enrolled in the institution/year	Number of fulltime teachers	Mentor: Mentee Ratio
100	18 out of 79	1:22

### **2.4 Teacher Profile and Quality**

#### **2.4.1 Number of full time teachers appointed during the year (July 18 – June 19)**

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the	No. of faculty with Ph.D.

			current year	
79	79	06	09	5

#### 2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Dr.Sameep Shetty	Associate Professor	Certificate of appreciation from the oral oncology journal for having the highest no of Letters to the Editor in a year-Elsevier
2020	Dr. Ashita Uppoor	Dean	Good Clinical Practice
2020	Dr. Swati	Associate Professor	Good Clinical Practice
2020	Dr.Sangeeta U Nayak	Associate Professor	Good Clinical Practice
2020	Dr. Ashwini Rao	Professor	Fellow-Public Health Foundation of India
2019	Dr.Ramya Shenoy	Associate Professor	Fellow-Public Health Foundation of India

#### 2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination
BDS & MDS		Year	All Sessional and University exam results and announced within 10 days of last exam	Within 10 Days

			held	
BDS		1		
BDS		2		
BDS		3		
BDS		4 Part I		
BDS		4 Part II		
MDS		1	03/07/2020	30/07/2020
MDS		3	17/07/2020	23/07/2020

**2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)**

The Sessional and University Exams and made Paperless (E Pad Exam) for all Undergraduate Exams. The results are made available through Student Information System (SIS) and the results are communicated to Parent/Guardians through email if available or through Registered Post.

**2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)**

The Academic time table and calendar is prepared before the start of academic year. The sessional exam and University exam schedule is made available to the students online. The time table and academic calendar is strictly adhered. The Results of both Sessional and University exam is announced within 10 days of the last exam held. The results are uploaded in Student Information Portal for Students'/Parents' view.

**2.6 Student Performance and Learning Outcomes**

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution. (to provide the web link)

**2.6.2 Pass percentage of students**

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass Percentage
	I B.D.S	99	91	92
	II BDS	81	75	93
	III BDS- Exam Held in August 2019	-	-	-
	IV-part 1- Exam Held In Feb. 2019	101	89	88
	IV -Part II Exam Held In August 2019	-	-	-
	MDS (Oral Medicine & Radiology)	02	02	100
	MDS (Oral & Maxillary)	03	03	100

	Surgery			
	MDS (Conservative Dentistry & Endodontics)	05	05	100
	MDS (Periodontology)	03	03	100
	MDS (Paedodontics & Preventive Dentistry)	03	03	100
	MDS (Prosthodontics and Crown & Bridge)	03	03	100
	MDS (Public Health Dentistry)	01	01	100
	MDS (Orthodontics & Dentofacial Orthopedics)	05	05	100

## 2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as web link)

[http://muportal.mahe.manipal.net/Services\\_feedback/](http://muportal.mahe.manipal.net/Services_feedback/)

The student feedback survey is conducted annually and the feedback from the students is analysed and the action plan on based on recommendations and suggestions will be discussed.

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 Resource Mobilization for Research

3.1.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant Sanctioned(Rs)	Amount received during the Academic year(Rs)
Effectiveness of a school-based tobacco free intervention on adolescents' knowledge and exposure to Second Hand Tobacco Smoke – A multiphase study”	2 YEARS	Public Health Foundation of India	13,77,992/-	8,77,992/-

Assessment of the effect of submucosal injection of platelet rich plasma (PRP) on the rate of orthodontic tooth movement and expression of ILI, IL-6 on the rate of orthodontic -A split mouth randomised controlled trial	2 YEARS	ICMR	4,72,550/-	4,72,550/-
Effectiveness of an active and passive distraction technique on the anxiety, behavior and pain levels of children while administering local anesthesia: a randomized clinical trial administering local anesthesia: a randomized clinical trial	2 YEARS	ICMR	50,000/-	30,000/-
Use of Substance of abuse among students of Health Professional Colleges in Mangalore:A qualitative exploration of their causes	1 YEAR	ICMR STS	20,000/-	20,000/-
Students Research Projects (other than compulsory by the College)	One year	ICMR STS/ ICMR PG	-	70000/-

### 3.2 Innovation Ecosystem

3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of	Name of the Dept.	Date(s)
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Workshop/Seminar					
-	-	-	-	-	-
<b>3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year</b>					
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category	
Portable dental auxilliary	Dr Aakash Jain, Dr Joanna Baptist	Innovation Centre, MIT, Manipal	2020	Third Place	
<b>3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year</b>					
Incubation Centre	Name		Sponsored by		
-	-		-		
Name of the Start-up	Nature of Start-up		Date of commencement		
-	-		-		
<b>3.3 Research Publications and Awards</b>					
<b>3.3.1 Incentive to the teachers who receive recognition/awards</b>					
State	National		International		
	15		01		
<b>3.3.2 Ph. Ds awarded during the year (applicable for PG College, Research Center)</b>					
Name of the Department		No. of Ph. Ds Awarded			
-		-			
<b>3.3.3 Research Publications in the Journals notified on UGC website during the year</b>					
	Department	No. of Publication	Average Impact Factor, if any		
National	MCO DS, Mangalore-	34	1.85		
International	MCO DS, Mangalore	63	0.32		
<b>3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year</b>					
Department		No. of publication			
Text book of Pediatric Dentistry 4th edition -Nikhil Marwah/Pedodontics		Jaypee Brothers Med Pub, New Delhi			
Pediatric Dentistry/Pedodontics & Periodontics		Paras Medical Publisher			
<b>3.3.5 Bibliometric of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index</b>					
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication
<b>3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)</b>					
Title of the	Name of the	Title of the journal	Year of	h-	Number of

paper	author		publication	index	citations excluding self-citations
An oncologist perspective on COVID 19: A mysterious cryptic virus	Sameep S. Shetty	Oral Oncology	2020	108	Manipal College of Dental Sciences, Mangalore, MAHE
Conceptual interpretation of findings on systematic review and meta analysis of altered fractionation radiotherapy improves local control in the early-stage glottic carcinoma	Sameep S. Shetty	Oral Oncology	2020	108	
Radiation induced hypothyroidism – Why is early intervention necessary?	Sameep S. Shetty	Oral Oncology	2020	108	
Clinical approaches to interpreting the findings of systematic review and meta analysis of the effectiveness of probiotics in the prevention and treatment of Cancer Therapy-Induced Oral Mucositis	Chellan Kumaraswamy, Sameep Shetty	Oral Oncology	2020	108	

(CTIOM)					
Tongue: a mobile muco-vascular pump(2019)	Sameep S. Shetty	The British Association of Oral Surgeons and John Wiley & Sons Ltd	2020	70	
Comparative Evaluation of Verticle fracture resistance of simulated Immature teeth obturated with Bio Ceramic Materials	Dr. Neetha Shetty Dr. Manuel Thomas, Dr. Kishore Ginjupalli  Dr. M. Kundabala	International Journal of Clinical Dentistry	2020	5	
“ Incidence of Ocular Trauma in Malabar Region of Kerala retrospective study	Dr. Savitha Kashinath Shenoy Dr. Kashinath Shenoy	Journal of Ophthalmic study	2020	-	
Comparative Evaluation of Efficacy of Chlorhexidine and Herbal Mouthwash as a Preprocedural Rinse in Reducing Dental Aerosols: A Microbiological Study	Dr.Sangeeta Nayak Anushka Kumari, Valliammai Rajendran, Vijendra Pal Singh, Ashwini Hegde, Keshava K. Pai	International Journal of Dentistry	2020	29	
Periodontitis as a reservoir of human papillomavirus in the causation of oral squamous	Dr. Akansha Raj Dr. Neetha J. Shetty	HIV AIDS Rev	2020	7	



cell carcinoma: a review					
Association of Clinical Parameters, Oral Hygiene, and Dietary Practices with Active Caries Lesions among Children with Early Childhood Caries	Dr. Shailaja Baranya S Suprabha, Ramya Shenoy, Arathi Rao	World Journal of Dentistry	2020	5	
Effect of three silver diamine fluoride application protocols on the microtensile bond strength of resin-modified glass ionomer cement to cariou dentin in primary teeth	Savil Ramachandra Uchil Baranya Shrikrishna Suprabha, Ethel Suman, Ramya Shenoy, Srikant Natarajan, Arathi Rao	Journal of Indian Society of Pedodontics and Preventive Dentistry	2020	29	
Passive Smoking and its Effects on the Development of a Child	Deveshi Gupta Arathi Rao Suprabha B.S	Indian Journal of Public Health Research & Development	2020	-	
An Overview Of Non- Syndromic Mesotaurodont ism In Bilateral	Faraz Ahmed Anupama Nayak P Anupama Nayak P., Arathi Rao and Ashwin Rao	International Journal of Clinical Dentistry	2020	5	

Primary Mandibular First Molars:Arare Case Report					
Evaluation of the Effectiveness of fluoridated and Non-fluoridated desensitizing agents in dentinal tubule occlusion using scanning electron microscopy. An in vitro study	Ashwini Desai,Dr. Neeta Shetty,Dr. N. Srikant	Dental Research Journal	2020	14	
Effects of Laser Peripheral Iridotomy in in primary angle closure suspect in asymptomatic patients(PACS ) and complications of Laser Peripheral Iridotmy”	Dr. Kashinath Shenoy .M. Dr. Savitha Kashinath Shenoy	Medical Research Archives	2020	-	
Cellular and Biochemical Changes in Different Categories of Periodontitis:	Fiona Shee Swati Pralhad, Srikant Natarajan Nidhi Manaktala, Arun S Aradhana	JISPD	2020	29	

A Patient-based Study	Marathe				
A Review of Glass Ionomer as 'ART' Sealant	Savil R Uchil Dr. Suprabha B.S B.S. Suprabha, Arathi Rao	Indian Journal of Public Health Research and Development (IJPHRD)	2020	-	
Evaluation of chemical disinfection and microwave irradiation on denture base materials : An in vitro study	Rohit kabra,dr. Shobha Rodrigues,Umesh Pai,Ramya Shenoy,Thilak.B .Shetty,Punnet Hegde, Mahesh.M, Sharon saldana	Indian Journal of Dental Research	2020	36	
Efficiency of Mobile Video Sharing Application (WhatsApp®) in Live Field Image Transmission for Telepathology ”	Rituparna Das,Nidhi ManaktalaTanupriya Bhatia, Shubham Agrawal, Srikant Natarajan, Amitha Lewis, Shweya Yellapurkar	Journal of Medical Systems (2020) 44:109	2020	70	
Comparative Evaluation of Three Different Toothpastes on Remineralization Potential of Initial Enamel Lesions: A Scanning Electron Microscopic Study.	Chandru T. P,Bazanth ,Yahiya M,Faizal C. Peedikayil,Dhanesh N,Srikant,N Soni Kottayi	Indian Journal of Dental Research	2020	36	

Insights into Disaster Management Scenario among Various Health-Care Students in India: A Multi-Institutional, Multi-Professional Study	Dr. Gururaghavendran Rajesh, Dr. Almas  Mithun B. H. Pai, Vijayendranath Nayak  Ramya Shenoy, Ashwini Rao	Indian Journal of Community Medicine	2020	28	
Evaluation of Changes in the Occlusion and Occlusal Vertical Dimension in Children Following the Placement of Preformed Metal Crowns Using the Hall Technique	Rose Maria Joseph, Ashwin Rao, Srikant N, Karuna YM, Anupama Nayak	Journal of clinical Pediatric dentistry	2020	39	
Comparative evaluation of porosity distribution in root canals obturated with gutta-percha using single cone technique and thermoplasticized technique	Tanya Sawhney, Karuna YM, Ansu Abraham, Madhura Sen, Srikant N, Nithin Thilak, Ashwin Rao, Anupama Nayak P	Saudi Endodontic Journal	2020	5	
Risk Factors in Implant Placement: A Retrospective Analysis	Dr. Thilak Shetty, Dr. Shobha Rodrigues, Dr. Sharon Saldanha, Dr. Um	Indian Journal of Forensic Medicine & Toxicology	2020		

	esh Pai,Dr. Mahesh,DR. Puneet Hegde,Dr. Manawar Ahmad				
Challenges in Early Diagnosis of Oral Cancer: Cases Series Izazovi u ranoj dijagnostici oralnoga karcinoma: opis slučajeve	Dr.Nandita Sujir, Junaid Ahmed, Keerthilatha Pai, Ceena Denny, Nandita Shenoy"	Acta Stomatologica Croatica	2019	8	
Does Right Hand Second Digit to Fourth Digit Ratio Correlate with Primary Infertility in Males?	Narendran Krishnamoorthi Muralidhara Yadiyal Nikhil Shetty, Nandita Shenoy, Ashok Shenoy, Christopher C Pais	Indian Journal of Public Health Research & Development	2019	-	
CBCT analysis of pharyngeal airway volume and comparison of airway volume among patients with skeletal Class I, Class II, and Class III malocclusion: A retrospective study	"Mandovi Nath Junaid Ahmed Ravikiran Ongole, Ceena Denny & Nandita Shenoy "	The Journal Of Craniomandibular & Sleep Practice	2019	-	
A Correlative	Junaid Ahmed, Harishchandra	Asian Pacific Journal of Cancer	2019	70	

Study of N-Cadherin Expression with Different Grades of Oral Squamous Cell Carcinoma Projecting as a Marker of Epithelial to Mesenchymal Transition in Tumor Progression	Rai K	Prevention			
Medical Management of Xerostomia	"Anupriya Saxena, Ravikiran Ongole, Junaid Ahmed,"	The New York State Dental Journal	2019	20	
"Comparison of Transcutaneous Electric Nerve Stimulation (TENS) and Microcurrent Nerve Stimulation (MENS) in the Management of Masticatory Muscle Pain: A Comparative Study "	B. Saranya, Junaid Ahmed, Nandita Shenoy ,Ravikiran Ongole, Nanditha Sujir, and Srikant Natarajan	Pain Research and Management	2019	53	
"Oral Care Protocol for Chemotherapy – and Radiation	Radhika R. Pai, Ravikiran Ongole, Sourjya Banerjee ,	Asia-Pacific Journal of Oncology Nursing	2019	5	

Therapy-Induced Oral Complication in Cancer Patients: Study Protocol"	Krishna Prasad, Linu Sara George, Anice George, Baby S. Nayak				
"A Prospective Study of the Clinical and Demographic Profile of Type 2 Diabetes Mellitus Patients Receiving Antidiabetic Drug Combinations "	Akash Gadgade,  Ashok Shenoy K,  Ashwin Kamath, Priyanka Kamath, Prabha Adhikari,  Nishith RS, Sanjay Hadigal, Srikant N, Nandita Shenoy and Mukta N. Chowta	Current Diabetes Reviews	2019	53	
Oral and Systemic Comorbidities and its Relation to Cluster of Differentiation 4 Counts in Human Immunodeficiency Virus Patients on Highly Active Antiretroviral Therapy: An Observational Study	Ceena E Denny , Almas Binnal , John Ramapuram , Thattil S Bastian , Srikant Natarajan , Nanditha Sujir	World Journal of Dentistry	2019	3	
Pharmacovigilance: The Least Understood	Chaya Chhabra , Kumar G Chhabra, Ashish Sharma,	World Journal of Dentistry,	2019	3	

and Least Practiced Science in Dentistry	Akanksha Goyal, Gururaghavendra Rajesh, Almas Binnal				
"Oral mucosal lesions and conditions in patients with dermatologic diseases: How common is it? (2019) "	Tallada, A. Nandita Shenoy, Ahmed, J., Nayak, K., Sujir, N	Indian Journal of Public Health Research and Development,	2019	-	
"Efficacy of Overnight Intubation in Oral Oncological Surgeries: A Retrospective Study "	Dr.Souvick Sarkar, Dr.Mohan Baliga, Dr.Subhagata Chakraborty,Dr. Shashank Jain, Dr.Antara Goswami	World Journal of Dentistry	2019	3	
Challenges in Early Diagnosis of Oral Cancer: Cases Series Izazovi u ranoj dijagnostici oralnoga karcinoma: opis slučajeva	Nandita Sujir, Junaid Ahmed, Keerthilatha Pai, Ceena Denny, Nandita Shenoy"	Acta Stomatologica Croatica	2019	8	
Does Right Hand Second Digit to Fourth Digit Ratio Correlate with Primary Infertility in Males?	Narendran Krishnamoorthi Muralidhara Yadiyal Nikhil Shetty, Nandita Shenoy, Ashok Shenoy, Christopher C	Indian Journal of Public Health Research & Development	2019	-	



	Pais				
CBCT analysis of pharyngeal airway volume and comparison of airway volume among patients with skeletal Class I, Class II, and Class III malocclusion: A retrospective study	Mandovi Nath Junaid Ahmed Ravikiran Ongole, Ceena Denny & Nandita Shenoy	The Journal Of Cranio-mandibular & Sleep Practice	2019	-	
A Correlative Study of N-Cadherin Expression with Different Grades of Oral Squamous Cell Carcinoma Projecting as a Marker of Epithelial to Mesenchymal Transition in Tumor Progression	Junaid Ahmed, Harishchandra Rai K	Asian Pacific Journal of Cancer Prevention	2019	70	
Medical Management of Xerostomia	Anupriya Saxena, Ravikiran Ongole, Junaid Ahmed,	The New York State Dental Journal	2019	20	
"Comparison of Transcutaneous Electric Nerve Stimulation	B. Saranya, Junaid Ahmed, Nandita Shenoy ,Ravikiran Ongole, Nanditha Sujir, and Srikant	Pain Research and Management	2019	53	

(TENS) and Microcurrent Nerve Stimulation (MENS) in the Management of Masticatory Muscle Pain: A Comparative Study "	Natarajan				
"Oral Care Protocol for Chemotherapy – and Radiation Therapy- Induced Oral Complication in Cancer Patients: Study Protocol"	Radhika R. Pai, Ravikiran Ongole, Sourjya Banerjee , Krishna Prasad, Linu Sara George, Anice George, Baby S. Nayak	Asia-Pacific Journal of Oncology Nursing	2019	5	
"A Prospective Study of the Clinical and Demographic Profile of Type 2 Diabetes Mellitus Patients Receiving Antidiabetic Drug Combinations "	Akash Gadgade, Ashok Shenoy K, Ashwin Kamath, Priyanka Kamath, Prabha Adhikari, Nishith RS, Sanjay Hadigal, Srikant N, Nandita Shenoy and Mukta N. Chowta	Current Diabetes Reviews	2019	53	
Oral and Systemic Comorbidities and its Relation to	Ceena E Denny, Almas Binnal, John Ramapuram , Thattil S Bastian , Srikant	World Journal of Dentistry	2019	3	

Cluster of Differentiation 4 Counts in Human Immunodeficiency Virus Patients on Highly Active Antiretroviral Therapy: An Observational Study	Natarajan , Nanditha Sujir				
Pharmacovigilance: The Least Understood and Least Practiced Science in Dentistry	Chaya Chhabra, Kumar G Chhabra, Ashish Sharma, Akanksha Goyal, Gururaghavendra Rajesh, Almas Binnal"	World Journal of Dentistry,	2019	3	
"Oral mucosal lesions and conditions in patients with dermatologic diseases: How common is it? (2019) "	Tallada, A. Nandita Shenoy, Ahmed, J., Nayak, K., Sujir, N	Indian Journal of Public Health Research and Development,	2019	-	
"Efficacy of Overnight Intubation in Oral Oncological Surgeries: A Retrospective Study	Dr.Souvick Sarkar, Dr.Mohan Baliga, Dr.Subhagata Chakraborty,Dr. Shashank Jain, Dr.Antara Goswami	World Journal of Dentistry	2019	3	
Challenges in Early Diagnosis of	Nandita Sujir, Junaid Ahmed, Keerthilatha Pai,	Acta Stomatologica Croatica	2019	8	

Oral Cancer: Cases Series Izazovi u ranoj dijagnostici oralnoga karcinoma: opis slučajeva	Ceena Denny, Nandita Shenoy"				
Does Right Hand Second Digit to Fourth Digit Ratio Correlate with Primary Infertility in Males?	Narendran Krishnamoorthi Muralidhara Yadiyal Nikhil Shetty, Nandita Shenoy, Ashok Shenoy, Christopher C Pais	Indian Journal of Public Health Research & Development	2019	-	
CBCT analysis of pharyngeal airway volume and comparison of airway volume among patients with skeletal Class I, Class II, and Class III malocclusion: A retrospective study	Mandovi Nath Junaid Ahmed Ravikiran Ongole, Ceena Denny & Nandita Shenoy	The Journal Of Craniomandibular & Sleep Practice	2019	-	
A Correlative Study of N- Cadherin Expression with Different Grades of Oral Squamous Cell Carcinoma Projecting as a Marker of Epithelial to Mesenchymal	Junaid Ahmed, Harishchandra Rai K	Asian Pacific Journal of Cancer Prevention	2019	70	

Transition in Tumor Progression					
Medical Management of Xerostomia	Anupriya Saxena, Ravikiran Ongole, Junaid Ahmed,	The New York State Dental Journal	2019	20	
Comparison of Transcutaneous Electric Nerve Stimulation (TENS) and Microcurrent Nerve Stimulation (MENS) in the Management of Masticatory Muscle Pain: A Comparative Study	B. Saranya, Junaid Ahmed, Nandita Shenoy, Ravikiran Ongole, Nanditha Sujir, and Srikant Natarajan	Pain Research and Management	2019	53	
Periodontal disease and hemolysis in glucose 6-phosphate dehydrogenase deficiency: Is there a nexus	Neelesh Singh, Dr. Ashita Uppoor, Dr. Valliammai Rajendran, Dr. Dilip G Naik	Journal of Bioscience	2019	69	
A Comparative SEM study of the effects of hand scaling, Diode Laser and Erbium, Chromium:	Sayantan Karmakar, Dr. Deepa Kamath, David Kadamkally, Rashmi Nayak,	IJPHRD	2019	-	

Yttrium-scandium-Gallium-Garnet(Er, Cr:YSGG) Laser on Root Surface"	Meena Anand				
Odontome Integrated Implant-A Case Report	Nadimpalli Harshita Neetha J Shetty	Dental Research and Management	2019	-	
Use of Vestibular incision subperiosteal tunnel access technique with platelet rich fibrin in the treatment of miller Class I Gingival Recession A Case report	Razia Haidrus Deepa G Kamath	Indian Journal of Public Health Research & Development	2019	-	
Comparative Evaluation of Sealing Ability, Penetration and Adaptation of a Self-Etching Pit and Fissure Sealant- Stereomicroscopic and Scanning Electrone Microscopic Analyses	Dhruv Garg, Karuna YM, Amitha J Lewis, Srikant N, Anupama Nayak, Ashwin Rao "	Journal of clinical and experimental Dentistry	2019		
Effect of Different	Nikhil Kumar, Anupama Nayak	World journal of	2019	3	

Commercially Available Biscuits on Salivary pH, Flow Rate and Oral Clearance Rate among Children	P, Srikant N, Karuna YM, Ashwin Rao"	dentistry			
Antenatal Health Care Seeking Behavior & Health System Response– A Cross Sectional Community Based Study	"Kiran Baliga, Anupama Nayak P, Baliga Shantharam, Moideen Faheem, Ravikiran SR, Rajesh SM	Indian Journal of Public Health Research and development	2019	-	
Association Between Dental Fear and Anxiety and Behavior amongst Children During their Dental Visit	Arshia Ummat, P Anupama Nayak, Sreejeeta Dey, Nitin Joseph, Ashwin Rao, Y.M. Karuna	Biomedical and Pharmacology Journal	2019	14	
Effect of Liner on the Marginal Integrity of Resin Composite Restorations after Selective Caries Excavation; An In Vitro	Shailaja Datta, Baranya Shrikrishna Suprabha, Ethel Suman, Ramya Shenoy, Arathi Rao, K.P.Nandita	European Journal of General Dentistry	2019	4	

Study					
Comparative Evaluation of Maximum Bite Force and Facial Morphology— A Cross Sectional Study	Shweta Tiwari, Arathi Rao, Ramya Shenoy, Suprabha BS	Indian Journal of Public Health Research & Development	2019	-	
Evaluation of Tensile Bond Strength and Shear Bond Strength of Mineral Trioxide Aggregate with Composite Resin and Resin Modified Glass Ionomer	Radhakrishnan S, Arathi Rao, Ramya Shenoy, Suprabha BS	Indian Journal of Public Health Research & Development	2019	-	
Effect of a relaxation training exercise on behaviour, anxiety, and pain during buccal infiltration anaesthesia in children; Rando mized clinical trial	Sowmya Sridhar Baranya Shrikrishna, Suprabha, Ramaya Shenoy, Kunnumal Thekkeveetil Shwetha	International Journal of Paediatric Dentistry	2019	59	
Remineralising Effectiveness of Two	Avani Jain, Baranya Shrikrishna,	Oral Health Prev Dent.	2019	32	



Fluoride Varnishes Containing Additives: An In Vitro Study	Suprabha, Ramaya Shenoy, srikant Natarajan, Arathi Rao				
Stress mediated quality of life outcomes in parents of disabled children: A case-control study.	Chakraborty B, Rao A, Arathi Rao  Ramya Shenoy, Latha Davda, Suprabha BS.	J Indian Soc Pedod Prev Dent	2019	29	
Comparative Evaluation of Three Obturating Techniques in Primary Molars: An in Vivo Study	Ellana J Joseph  Arathi Rao  Srikant N, Ashwin Rao, Suprabha BS	Journal of Clinical Pediatric Journal	2019		
Comparison of Centering Ability of Three Different Endodontic Instruments Using Cone-beam Computed Tomography: An In Vitro Study.	Vignesh Palanisamy, Arathi Rao,  Shenoy R, Mahabala KY, Srikrishna SB.	World J Dent	2019	3	
Tooth Brushing in Pre-school Children: An Indian Perspective of	Sonia Sivadas, Ashwin Rao Arathi Rao, Karuna YM, Anupama Nayak	Indian journal of public health research and development	2019	-	

Parental Challenges					
Lesion management in pediatric dentistry: resin infiltration, sealing carious lesions and Hall technique	Meenakshi Kher Ashwin Rao	Clinical Dentistry Reviewed	2019	-	
Lesion management in pediatric dentistry: Non restorative cavity control	Meenakshi Kher Ashwin Rao	Clinical Dentistry Reviewed	2019	-	
Parents Perception on General Anaesthesia in Paediatric Dentistry: A Questionnaire Study	Anupama Nayak Srikant N, Karuna YM, Kiran N Baliga, Ashwin Rao	Indian Journal of Public Health Research & Development	2019	-	
Comparative analysis of the emineralization potential of CPP-ACP with Fluoride, Tri-Calcium Phosphate and Nano Hydroxyapatite using SEM/EDX – An in vitro study	Charisma Thimmaiah Priya Shetty, Sowmya B. Shetty, Srikant Natarajan, Nithya-Annie Thomas	Journal of Clinical and experimental dentistry	2019		
Comparative evaluation of	Dr. Yashaswin Karuna YM	Indian Journal of Public Health	2019	-	

the effectiveness of apron with mandarin collar and open collar in prevention of microbial contamination on street clothing	Dr. Ashwini Hegde Srikant N, , Ashwin Rao, Dr. Anupama Nayak	Research & Development			
Comparative Assessment of three Microimplant Assisted Biomechanical Strategies for the Simultaneous Intrusion and Retraction of Anterior Teeth in Relation to Alveolar Bone Stress and Change in Incisor Inclinations – A 3D Finite Element Analysis Study	Apurva Bariar, Asavari Desai and Siddarth Shetty, Raviraja Adhikari	Biomedical & Pharmacology Journal,	2019	14	

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	12	47	5	95
Presented papers	12	35	5	-
Resource Persons	-	8		1

### 3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community

and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year			
Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers <b>co-ordinated</b> such activities	Number of students participated in such activities
Danta Bhagya Yojana	Govt.of Karnataka		100

#### 3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
Dentistry awards 2019	"Highly commended" in the category of "student of the year" (post-graduate)	Famdent excellence	1
Demonstrated extraordinary skills in the research/academic, clinical aspects of Dentistry, and cultural/social/sports activities	Pierre Fauchard Academy International Senior Student Award	Pierre Fauchard Academy	1
Guident awards	"Most Proactive U.G Student of the year 2018-19"	Guident Dental Academic Excellence Award Ceremony	1

#### 3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers <b>coordinated</b> such activities	Number of students participated in such activities
Swachh Bharat Summer Internship '18	-	-	-	7 interns

### 3.5 Collaborations

3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year			
Nature of Activity (Outgoing)	Participant	Source of financial support	Duration
Biocon observership	Pragya Gupta, Intern		30.08.2019 to 17.09.2019.
Biocon observership	Baani Pasricha, Intern		30.08.2019 to 17.09.2019.
Biocon observership	Meenakshi, Intern		30.08.2019 to 17.09.2019.
Biocon observership	Dr. Priyanka, Postgraduate Student, Oral Medicine and Radiology		19.09.2019 to 03.10.2019
Biocon observership	Rhea Ahluwalia, Intern		19/09/19 to 03/10/19
Biocon observership	Shreyansh Jain, intern		19/09/19 to 03/10/19
Biocon observership	Mr. Anirudh Verma		9th October 2019 to 26 <sup>th</sup> October 2019
Biocon observership	Ms. Ritvi Arvind		9th October 2019 to 26 <sup>th</sup> October 2019
Biocon observership	ms vidhushi gupta		28th October and 15th November 2019.
Biocon observership	Dr Namrata		28th October and 15th November 2019.
Biocon observership	Dr. Vaishnavi Gundeti		28th October and 15th November 2019.
conference and observership program from at Uitm MARA, Malaysia	Abhinav Kathuria		Feb 13-22, 2020
conference and observership	Ashish Kapoor		

program from at Uitm MARA, Malaysia			Feb 13-22, 2020
conference and observership program from at Uitm MARA, Malaysia	Mahima Seetaram		Feb 13-22, 2020
conference and observer ship program from at Uitm MARA, Malaysia	Manasvi Wangnoo		Feb 13-22, 2020
conference and observership program from at Uitm MARA, Malaysia	Shrishty Bhardwaj		Feb 13-22, 2020
conference and observership program from at Uitm MARA, Malaysia	Sreejeeta Dey		Feb 13-22, 2020
conference and observer ship program from at Uitm MARA, Malaysia	Nithin Vaishag Rajesh		Feb 13-22, 2020
conference and observer ship program from at Uitm MARA, Malaysia	Lokesh Sai Karanam		Feb 13-22, 2020

conference and observer ship program from at Uitm MARA, Malaysia	Preeti Nithyanand Prabhu		Feb 13-22, 2020	
conference and observer ship program from at Uitm MARA, Malaysia	Pooja Prakash Netalkar		Feb 13-22, 2020	
conference and observer ship program from at Uitm MARA, Malaysia	Ritvi Arvind		Feb 13-22, 2020	
conference and observer ship program from at Uitm MARA, Malaysia	Aayush Anand Poddar		Feb 13-22, 2020	
<b>Nature of Activity (Incoming)</b>	<b>Participant</b>	<b>Source of financial support</b>	<b>Duration</b>	
Student observership	Dr.Ujwal, BP Koirala institute of health Sciences, Nepal	Nil	07-03-2020 to 14-03-2020	
3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year				
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
Specific agreement for Dentistry	-	The University of Hong Kong, Hong Kong.	10-07-2019 to 09-07-2024	-

General agreement + Specific student exchange agreement	-	Tokushima University, Japan	10-07-2019 to 09-07-2024	-
Training programs faculty and students	-	Curaden India Private Limited	01.08.2019 to 31.07.2022	-

3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
DENTSPLY India Pvt Ltd	01/08/2019 to 31/10/2020	Modern Endodontic course	14
The University of Hong Kong, Hong Kong.	10/07/2019 to 09/07/2024	Specific agreement for Dentistry	
University of Turku, Finland.	13/05/2019 to 12/05/2024	Specific agreement with Department of Paedodontics and Preventive dentistry for research and academic studies	

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
Debate	Won First place in Debate in the 20th National PG Convention held in Chandigarh	Conservative Dentistry National Association	One
Poster Presentation	Won the best poster prize in the IACDE 2nd South Zonal Conference 2019	Conservative Dentistry National Association	Three
Poster Presentation	Won the best poster prize in the IACDE 2nd South Zonal Conference 2019	Conservative Dentistry National Association	One



Paper Presentation	Won the best paper in the 12th ISPRP National Conference 2019	Conservative Dentistry National Association	Two
Poster Presentation	won Best poster in the IACDE 2nd South Zonal Conference 2019	Conservative Dentistry National Association	Two
FAMDENT EXCELLENCE AWARD(Student of the year)	Awarded as "HIGHLY COMMENDED" in the Category of "STUDENT OF THE YEAR" (POST-GRADUATE) at FAMDENT EXCELLENCE IN DENTISTRY AWARDS 2019	FAMDENT EXCELLENCE IN DENTISTRY AWARDS 2019	One
Paper Presentation	Won the Best Paper award of the Scientific Session and also bagged overall Second Best Paper Presentation Award of the convention for the Scientific paper 16th National PG Convention of the Indian Society of Pedodontics and Preventive Dentistry "Pedopanacea", held at Meerut, Uttar Pradesh	Indian Society of Pedodontics and Preventive Dentistry "Pedopanacea"	One
Poster Presentation	Won 1st prize for Poster presentation at ISP Colloquium organized by the Indian Society of Periodontology and A J Institute of Dental Sciences, Mangalore	Indian Society of Periodontology	One
Most Proactive P.G.Award	won Most Proactive P.G. Student of the Year-2018-19 –	Guident Dental Academic Excellence Awards-2019.	One

	Periodontics awarded by Guident Dental Academic Excellence Awards-2019.		
Poster Presentation	The Second Runner up position for Poster Presentation on At the 9th PG Symposium by 3M, Bangalore	9th PG Symposium by 3M	One
Paper Presentation	Have won the best paper in the 12th ISPRP National Conference 2019 held at Mysore	12th ISPRP National Conference 2019	One
Poster presentation	Were awarded the Dr. N. P. Patil Memorial Award for being judged the Best Overall Scientific Poster presentation titled "The Virtual Metamorphosis of Articulation" at the 7th Annual State Conference organized by Indian Prosthodontic Society Karnataka Branch in Goa	7th Annual State Conference	Three
Poster Presentation	Were awarded the "Dr F D Mirza award for being judged the best poster of the session and the 2nd best overall scientific presentation titled "use of an acrylic stent for functional	47th Indian prosthodontic society conference	Three

	rehabilitation of ulnar bone following surgical resection of tumour” at the 47th Indian prosthodontic society conference, Raipur		
Paper Presentation	Presented a paper titled "Prosthetic Rehabilitation of Edentulous Mandibular Ridge Using "All-ON-FOUR CONCEPT" that was judged The Best Paper Presentation of the Session, at the 47th Indian prosthodontic society conference, Raipur.	47th Indian prosthodontic society conference, Raipur	One
Squash Racket Championship	MAHE Squash team in All India Inter University Squash Racket Championship	MAHE	One
Most Proactive UG student of the year 2018-2019	Awarded as the ‘Most Proactive UG student of the year 2018-2019 at Guident Dental Academic Excellence Award Ceremony at India Habitat Center, Lodhi Road, New Delhi	Guident Dental Academic Excellence Award	One
Most Proactive U.G Student of the year 2018-19	Awarded as the "Most Proactive U.G Student of the year 2018-19" at the Guident Dental	Guident Dental Academic Excellence Award Ceremony	One

	Academic Excellence Award Ceremony at India Habitat Center, Lodhi Road, New Delhi.		
Paper Presentation	Competitive Paper Presentation and presented clinical innovation paper. She has won 2nd prize at the 24th IOS PG Convention at Hyderabad	24th IOS PG Convention	One
Paper Presentation	Won the best paper presentation award for at 73rd Indian dental conference(IDC)2020 held at Kovalam,Kerala	73rd Indian dental conference(IDC)2020	Three
Paper Presentation	judge's choice award for Best Presenter for his Oral Paper Presentation at 10th UiTM Dental Students Scientific Symposium at Faculty of Dentistry, Universiti Teknologi MARA, Malaysia	10th UiTM Dental Students Scientific Symposium at Faculty of Dentistry, Universiti Teknologi MARA, Malaysia	One
Student scientific symposium	10th UiTM Dental Students Scientific Symposium at Faculty of Dentistry, Universiti Teknologi MARA, Malaysia	10th UiTM Dental Students Scientific Symposium at Faculty of Dentistry, Universiti Teknologi MARA, Malaysia	One
Debate	Won First place in	Conservative	One

	Debate in the 20th National PG Convention held in Chandigarh	Dentistry National Association	
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3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated in such activities
Swachhata Hi Seva Campaign	VSO, MCODES, Mangalore and KMC Mangalore	Say No to Plastic Campaign	1
Visit to RAPCC pediatric ward	MCODES, Mangalore students	Interaction and donation	4
Visit to ST. Antony's Poor Home	DISHA, MCODES, Mangalore	Oral health care awareness and Grocery distribution	4
Beach Cleaning Drive	DISHA, MCODES, Mangalore	Segregation of waste and cleaning of surroundings	4
Visit to St. ANN's Old age Home	DISHA, MCODES, Mangalore	Interaction and donation	4
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From
Industry	Soft and behavioral skill program	Dr. Reddy's Foundation	23 July 2019
Industry	Clinical photography (Photodontics)	Canon India private ltd	11 Sep 2019
Industry	Smile makeover with composites	Smile Care clinic Pvt Ltd	6 December 2019
<b>CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES</b>			
<b>4.1 Physical Facilities</b>			
4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year			
Budget allocated for infrastructure augmentation		Budget utilized for infrastructure development	
₹ 134257000		₹ 134257000	

4.1.2 Details of augmentation in infrastructure facilities during the year		
Facilities	Existing	Newly added
Campus area	32.28 Acre	-
Class rooms	4	-
Laboratories	15	-
Seminar Halls	15	-
Classrooms with LCD facilities	4	-
Classrooms with Wi-Fi/ LAN	4	-
Seminar halls with ICT facilities	15	-
Video Centre	-	-
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.		4
Value of the equipment purchased during the year (Rs. in Lakhs)	-	Rs 25,63,660/-
Others	-	-

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated {Integrated Library Management System -ILMS}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
-	-	-	-

### 4.2.1 Library Services:

	Existing		Newly added	Value	
	No.	Value		No.	Value
Text Books	70	2,23,134.00	9	41,964.00	₹ 2,65,098.00
Reference Books	-	-	-	-	-
e-Books	55		55	-	-
Journals	63	37,93,572.00	65	41,72,930.00	₹ 41,72,930.00
e-Journals	257	30,58,690.00	257	33,64,559.00	₹ 33,64,559.00
Digital Database	5	-	5		Nil
CD & Video	-	-	-	-	-
Library automation	-	-	-	-	-
Weeding (Hard & Soft)	-	-	-	-	-
Others (specify)	-	-	-	-	-

### 4.3 IT Infrastructure

#### 4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others
Existing	52	-	Yes	2	-	19	31	20	-
Added	-	-	-	-	-	-	-	15	-
Total	52	-	-	-	-	19	31	45	-

#### 4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

45 MBPS /GBPS

#### 4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
-	-

#### 4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e – content
Dr. Srikant N	Certificate Course in Forensic Odontology	EduNxt ®	June 2020
Dr. Nandita KP	Certificate Course in Forensic Odontology	EduNxt ®	June 2020
Dr. Ceena Denny	Certificate Course in Forensic Odontology	EduNxt ®	June 2020
Dr. Nandita Shenoy	Certificate Course in Forensic Odontology	EduNxt ®	June 2020
Dr. Ashwin Rao	Certificate Course in Forensic Odontology	EduNxt ®	June 2020
Dr. Nidhin Philip Jose	Certificate Course in Forensic Odontology	EduNxt ®	June 2020
Dr. Shweta Yellapurkar	Certificate Course in Forensic Odontology	EduNxt ®	June 2020
Dr. Puneeth Hegde	Certificate Course in Forensic Odontology	EduNxt ®	June 2020
Dr. Ashita s. Uppoor	Periodontology	MS Teams	April-May 2020
Dr. Neetha J. Shetty	Periodontology	MS Teams	April-May 2020
Dr. Deepa g. Kamath	Periodontology	MS Teams	April-May 2020
Dr. David.K	Periodontology	MS Teams	April-May 2020



Dr. Swati	Periodontology	MS Teams	April-May 2020
Dr. Sangeeta U. Nayak	Periodontology	MS Teams	April-May 2020
Dr. Mranali k. Shetty	Periodontology	MS Teams	April-May 2020
Dr. Karthik shetty	Conservative dentistry and endodontics	MS Teams	April-May 2020
Dr. M. Kundabala	Conservative dentistry and endodontics	MS Teams	April-May 2020
Dr. Neeta Shetty	Conservative dentistry and endodontics	MS Teams	April-May 2020
Dr. Manuel s. Thomas	Conservative dentistry and endodontics	MS Teams	April-May 2020
Dr. Puttur Laxmish Mallya	Conservative dentistry and endodontics	MS Teams	April-May 2020
Dr. Vinod Rakesh Jathanna	Conservative dentistry and endodontics	MS Teams	April-May 2020
Dr. Shreya Hegde	Conservative dentistry and endodontics	MS Teams	April-May 2020
Dr. Roma M.	Conservative dentistry and endodontics	MS Teams	April-May 2020
Dr. Premalatha. K.	Oral & maxillofacial surgery	MS Teams	April-May 2020
Dr. Mohan Baliga	Oral & maxillofacial surgery	MS Teams	April-May 2020
Dr. Arvind. R.	Oral & maxillofacial surgery	MS Teams	April-May 2020
Dr. Dharnappa poojary	Oral & maxillofacial surgery	MS Teams	April-May 2020
Dr. Joanna Baptist	Oral & maxillofacial surgery	MS Teams	April-May 2020
Dr. Sameep S. Shetty	Oral & maxillofacial surgery	MS Teams	April-May 2020
Dr. Jefferson Prince	Oral & maxillofacial surgery	MS Teams	April-May 2020
Dr. Supriya Nambiar	Orthodontics and dentofacial orthopedics	MS Teams	April-May 2020
Dr. Siddarth Shetty	Orthodontics and dentofacial orthopedics	MS Teams	April-May 2020
Dr. Ashit M. V.	Orthodontics and dentofacial orthopedics	MS Teams	April-May 2020
Dr. Nidhin Philip Jose	Orthodontics and dentofacial orthopedics	MS Teams	April-May 2020
Dr. Asavari Laxman Desai	Orthodontics and dentofacial orthopedics	MS Teams	April-May 2020
Dr. Shivani Singh	Orthodontics and dentofacial orthopedics	MS Teams	April-May 2020

Dr. Shravan Shetty	Orthodontics and dentofacial orthopedics	MS Teams	April-May 2020
Dr. Ravikiran Ongole	Oral medicine & Radiology	MS Teams	April-May 2020
Dr. Junaid Ahmed	Oral medicine & Radiology	MS Teams	April-May 2020
Dr. Ceena Denny. E.	Oral medicine & Radiology	MS Teams	April-May 2020
Dr. Nandita Shenoy	Oral medicine & Radiology	MS Teams	April-May 2020
Dr. Almas Binnal	Oral medicine & Radiology	MS Teams	April-May 2020
Dr. Nanditha. R. Sujir	Oral medicine & Radiology	MS Teams	April-May 2020
Dr. Suprabha b. S.	Pediatric & preventive dentistry	MS Teams	April-May 2020
Dr. Arathi rao	Pediatric & preventive dentistry	MS Teams	April-May 2020
Dr. Ashwin p. Rao	Pediatric & preventive dentistry	MS Teams	April-May 2020
Dr. Karuna. Y. M.	Pediatric & preventive dentistry	MS Teams	April-May 2020
Dr. Anupama nayak p.	Pediatric & preventive dentistry	MS Teams	April-May 2020
Dr. Charisma Thimmaiah	Pediatric & preventive dentistry	MS Teams	April-May 2020
Dr. Thilak Shetty b.	Prosthodontics and crown & bridge	MS Teams	April-May 2020
Dr. Shobha j. Rodrigues	Prosthodontics and crown & bridge	MS Teams	April-May 2020
Dr. Umesh y. Pai	Prosthodontics and crown & bridge	MS Teams	April-May 2020
Dr. Sharon Saldanha	Prosthodontics and crown & bridge	MS Teams	April-May 2020
Dr. Mahesh M.	Prosthodontics and crown & bridge	MS Teams	April-May 2020
Dr. Puneeth Hegde k.	Prosthodontics and crown & bridge	MS Teams	April-May 2020
Dr. Rajesh. G.	Public health dentistry	MS Teams	April-May 2020
Dr. Ashwini Rao	Public health dentistry	MS Teams	April-May 2020
Dr. Ramya Shenoy k.	Public health dentistry	MS Teams	April-May 2020
Dr. Mithun Pai b. H.	Public health dentistry	MS Teams	April-May 2020

Dr. Srikant. N.	Oral pathology & microbiology oral pathology & microbiology	MS Teams	April-May 2020
Dr. Karen Boaz	Oral pathology & microbiology oral pathology & microbiology	MS Teams	April-May 2020
Dr. Nandita. K. P.	Oral pathology & microbiology oral pathology & microbiology	MS Teams	April-May 2020
Dr. Amitha j. Lewis	Oral pathology & microbiology oral pathology & microbiology	MS Teams	April-May 2020
Dr. Nidhi Manaktala	Oral pathology & microbiology oral pathology & microbiology	MS Teams	April-May 2020
Dr. Shweta Yellapurkar	Oral pathology & microbiology oral pathology & microbiology	MS Teams	April-May 2020
Dr. Prashanthi s. Madhyastha	Dental Materials	MS Teams	April-May 2020
Dr. Ravindra Kotian	Dental Materials	MS Teams	April-May 2020

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
307252421	134257000	3238000	3238000

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (*maximum 500 words*) (information to be available in institutional Website, provide link) <https://manipal.edu/mcods-mangalore.html>

**CRITERION V - STUDENT SUPPORT AND PROGRESSION**

**5.1 Student Support**

5.1.1 Scholarships and Financial Support			
	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	Merit Cum Means	4	4,83,000
	KONKANI SCHOLARSHIP	22	16,48,583
	SAGES	4	19,02,800
	MERIT STUDENTS (BDS)	2	15,08,173
	STAFF CHILD/SPOUSE SCHOLARSHIP	2	1,22,800
Financial support from other sources			
a) National	-	-	-
b) International	--	-	-
5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,			
Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Start building your CV at UG level	04-09-2019	97	Manipal College of Dental Sciences, Mangalore. <b>Dr.Ravi Kiran</b>
Public speaking	04-09-2019	76	Kasturba Medical college Mangalore <b>Dr Suresh Shetty</b>
Junk the Junk food	13-11-2019	20	<b>Dr Arun Mallya</b>
Travel Diaries	08-01-2020	28	Manipal College of Dental Sciences, Mangalore. <b>Dr.Umesh Pai</b>
Photography Skills: It will help your practice too	14/12/19	35	Dept.of Orthodontics Manipal College of Dental Sciences, Mangalore.
Public speaking	30/10/19	38	Kasturba Medical college Mangalore <b>Dr Suresh Shetty</b>

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year					
Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
-	-	-	-	-	-
5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year					
Total grievances received		No. of grievances redressed		Average number of days for grievance redressal	
<b>5.2 Student Progression</b>					
5.2.1 Details of campus placement during the year					
<b>On campus</b>			<b>Off Campus</b>		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
NA					
5.2.2 Student progression to higher education in percentage during the year					
Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2019-2020	-			-	-
5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)					
Items		No. of Students selected/qualifying		Registration number/roll number for the exam	
NEET		45		-	
SET		-		-	
SLET		-		-	
GATE		-		-	
GMAT		-		-	
CAT		-		-	
GRE		-		-	
TOFEL		43		-	
Civil Services		-		-	
State Government Services		-		-	
Any Other		5		-	
5.2.4 Sports and cultural activities / competitions organised at the institution level during the year					

Activity	Level	Participants
Blitz 2019-T20cricket league	18th December 2019	60
The MAHE intercollege Table Tennis tournament	10 and 11 September 2019	132
Blitz 2019-T20cricket league	18th December 2019	60

### 5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2019	Team MCOODS, Mangalore for bagging the “1st Runners-Up” at UTSAV, 2019, MAHE's intercollegiate cultural & literary competition.	National	Yes	-	-	-
2019	Overall First” at IDA Extract, 2019. They also won first position in Dance and fashion show.	National		yes	-	-
2019	The MAHE Inter Collegiate Staff Squash tournament was conducted by KMC, Manipal at the MARENA Manipal on 29 <sup>th</sup> July 2019. Dr Mranali Shetty, Associate Professor Department of Periodontics won	National	Yes	-	-	-

	First prize in the Women's Singles					
2019	The MAHE Inter Collegiate Staff Squash tournament was conducted by KMC, Manipal at the MARENA Manipal on 29th July 2019. Dr Karthik Shetty, H.O.D Dept of Conservative Dentistry and Endodontics won Runner's up in the Men's Singles		Yes	-	-	-

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The student council consists of student representative from each academic batch. They actively participate in curricular and co-curricular activities of the institution. The representative will participate in Board of studies, internal quality assurance meeting every year. The student issues will be discussed and proper action will be taken on the issues. The student has their own student research forum and from last two years national level undergraduate conferences have been organized.

### 5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):yes

The Alumni Association is functioning under the umbrella of ARMCODS, Mangalore (Alumni Relations, Mangalore) with a Coordinator. A separate portal is created for the Alumni Registration, which is linked to Facebook. The Cell organizes the reunions, guest lectures and other activities. <https://manipal.edu/mcods-mangalore.html>

5.3.2 No. of Enrolled Alumni: 1099 Alumni have registered out of 3254 graduates

5.3.3 Alumni contribution during the year (in Rupees) : Rs. **5,50,000**

5.3.4 Meetings/activities organized by Alumni Association : 2

1987 Batch reunion was held from 13-14 July 2019

Orthodontists Alumni meet at Cochin on 7<sup>th</sup> December. 2019 Number of participants - 26

## CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

Vision statement:

“To be leaders in Oral health care in national and international level”

Mission statement:

“Global excellence in dental education and oral health
6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)
The administrative work of the institution has been decentralized with Dean leading the administration. The Dean is ably supported in decision-making aspects by various committees that look into academic, research, patient and other activities of the institution. Similarly, the departmental activities are handled by the heads of the departments.
6.1.2 Does the institution have a Management Information System (MIS)? Yes/No/Partial: Yes Patient Management System, Purchase and Inventory, Employee Self Service, Student Information System – Online attendance, Financial Accounting System, Biometric attendance system for faculty.
<b>6.2 Strategy Development and Deployment</b>
6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):
❖ Curriculum Development: 1. Yearly twice Board of Studies meeting to upgrade curriculum, Examination pattern, Teaching methodology 2. Inclusion of Subject Expert in the BoS from other University 3. Inclusion of Student Representative 4. Separate Board for each subject/year 5. Feedback from students and experts
❖ Teaching and Learning: 1. Outcome based Curriculum. ICT enabled teaching, didactic lectures, discussions, slide seminars, quiz contests, Objective Structured Practical Examination (OSPE), Objective Structured Clinical Examinations (OSCE), Objective & descriptive type theory exams, Case Based Learning and Viva-voce 2. Academic calendar prepared and given to students and strictly adhered 3. Course outline and syllabus given to students in the form of Hand Book/Soft copy
❖ Examination and Evaluation 1. Examination dates are strictly adhered to as given in the Academic calendar. 2. Continuous assessment of the students through regular sessional exams with 10% weightage as internal assessment in both Theory and Practicals/Clinicals for each subject 3. Students with minimum 75% Attendance and 30% Internal assessment only eligible to write University Exam 4. All sessional and University exams are Paperless – Using E Pad 5. Evaluation is done in most transparent way with Double evaluation by coding the paper 6. On Screen Marking (OSM) evaluation
❖ Research and Development: 1. Financial support to Present Research outcomes in National and International Conferences and Publications 2. Incentive for Research Publications 3. Outstanding Research Award – TMA Pai Gold Medal



4. Incentive to individual faculty for grants and clinical trials

5. Staff Performance Appraisal System

❖ **Library, ICT and Physical Infrastructure / Instrumentation**

Three floors: 4100.3 Sq. Mt, seven reading halls facilitated with central A/C

Total seating capacity:

UG Section: 370, PG Section: 100, Staff Section: 30, Outside the Library: 300, Total: 800 seats

Total No. of Books (as on Dec. 2017): 33650 35108

Total No. of Medical Books (as on Dec. 2017): 31016

Total No. of Books on Dentistry: 4092

No. of Journals Subscribed for the year 2019: 219 Journals

Dental National 9; International 56 total 65

National, International Total Medical: 132 Dental: 73

Total No. of Medical Online Journals: 4442

Total No. of Dental Online Journals: 257

Total No. of Back Volume Journals: 23281 Medical 21433 Dental 1848

Audio Visual Aids CD's:1599, Computers (67 Nos) - Online: 60 Nos., Offline: 07 Nos Computer

Broad-band speed: 512 MBPS

Budget for the year 2018

Details Medical Dental Books Rs.20,00,000.00 Rs. 5,00,000.00 Journals Rs.4,00,00,000.00

Rs.90,00,000.00 Total Budget Rs.4,20,00,000 .00 Rs. 95,00,000.00

**The Library Working Hours are as follows:**

ALL DAYS: 9.00 A.M. TO 11.30 P.M.

Library is opened on all holidays.

Classification System: Dewey Decimal Classification (DDC)-21st edition)

Library Access

EPAC-Library Search Engine

Journal Subscriptions

List of online journals/e-books

Back volumes

List of thesis

List of CDs

**Online database**

Wiley, Clinical key, Scopus, EBSCO, Proquest Health, Up to date clinical information resources,

Web of Science, Springer links, Oxford, JAMA group, BMJ group, Research to Publications

**Name of the facility**

Internet & Access Computer Based Service (CD Writing, Scanning and Laser Printing)

Photo copying

Book Bank Facility

Inter Library loan/Document delivery

Plagiarism check

MU digital repository (E-print service)

CC TV				
❖ Human Resource Management:				
1.Orientation to newly recruited staff				
2. Performance Incentive through Staff appraisal				
3. Faculty encouraged to update knowledge through research, attending workshops, Conferences				
4. Non-teaching staff given training on soft skills by experts				
5. Feedback from faculty on administration				
❖ Industry Interaction / Collaboration				
• MOU with International University				
• Student exchange programme				
❖ Admission of Students:				
Admission is through NEET				
6.2.2 : Implementation of e-governance in areas of operations:				
❖ Planning and Development				
❖ Administration				
❖ Finance and Accounts				
❖ Student Admission and Support				
❖ Examination				
<b>6.3 Faculty Empowerment Strategies</b>				
6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year				
Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Ceena Denny	17 <sup>th</sup> National Conference of Indian Association of forensic Odontology 21 <sup>st</sup> – 22 <sup>nd</sup> Sept 2019	Maulana Azad Institute of Dental Sciences, New Delhi	37,170
2019	Dr.Dilip Naik	26 <sup>th</sup> National conference of Indian Society of Oral Implantologists August 30, Sep 1 2019	Mumbai	26,164
2019	Dr. Nanditha Sujir	11 <sup>th</sup> National Conference on Health Professions Education 2019 21 <sup>st</sup> to 23 <sup>rd</sup> November 2019	KLE Centenary Convention Centre, KAHER's Jawaharlal Nehru medical College, Belagavi	24,030
2019	Dr. Almas Binnal	51 <sup>st</sup> APACPH Conference: SDGs in Reality 21 <sup>st</sup> & 22 <sup>nd</sup> November 2019	Amari Watergate, Bangkok, Thailand	50,000
2019	Dr. Arvind R	AOMSI NOV 14th,15th,16-2019	Bangaluru	23,038
2019	Dr. Mohan Baliga	AOMSI NOV 14th,15th,16-2019	Bangaluru	38,500
2019	Dr. Joanna	AOMSI NOV 14th,15th,16-2019	Bangaluru	28,306
2019	Dr.Manuel.S.Thomas	12 <sup>th</sup> ISPRP National	Mysore	20,555

		Conference 2019 August 2019, 2 <sup>nd</sup> - 4 <sup>th</sup>		
2019	Dr. Karthik Shetty	34 <sup>th</sup> IACDE National Conference Nov-December 2019, 29-1 <sup>st</sup>	Navi Mumbai	40,000
2019	Dr. Kundabala. M.	34 <sup>th</sup> IACDE National Conference Nov-December 2019, 29-1 <sup>st</sup>	Navi Mumbai	42,663
2019	Dr. Neeta Shetty	34 <sup>th</sup> IACDE National Conference Nov-December 2019, 29-1 <sup>st</sup>	Navi Mumbai	42,073
2019	Dr. Laxmish Mallya	34 <sup>th</sup> IACDE National Conference Nov-December 2019, 29-1 <sup>st</sup>	Navi Mumbai	43,126
2019	Dr. Suprabha B.S.	41 <sup>st</sup> National Conference, ISPPD I.T.S Dental College, Hospital and Research Centre November 2019, 7-9th	Greater Noida	50,000
2019	.Dr. Karuna Y.M	41 <sup>st</sup> National Conference, ISPPD I.T.S Dental College, Hospital and Research Centre November 2019, 7-9th	Greater Noida	33,140
2019	Dr.Charisma T	41 <sup>st</sup> National Conference, ISPPD I.T.S Dental College, Hospital and Research Centre November 2019, 7-9th	Greater Noida	33,640
2019	Dr. Arathi Rao	47 <sup>th</sup> Karnataka State & 6 <sup>th</sup> Inter State Dental Conference November 2019, 7-9th	PES Engineering College, Mandya	38,280
2019	Dr.Ashwin Rao	41 <sup>st</sup> National Conference, ISPPD I.T.S Dental College,	Greater Noida	20,026

		Hospital and Research Centre November 2019, 7-9th		
2019	Dr. Ashith MV	54 <sup>th</sup> Indian Orthodontic Conference  22 <sup>nd</sup> to 24 <sup>th</sup> November 2019	Bhubaneswar	45,960
2019	Dr. Siddarth Shetty	54 <sup>th</sup> Indian Orthodontic Conference  22 <sup>nd</sup> to 24 <sup>th</sup> November 2019	Bhubaneswar	50,000
2019	Dr. Shravan Shetty	54 <sup>th</sup> Indian Orthodontic Conference  22 <sup>nd</sup> to 24 <sup>th</sup> November 2019	Bhubaneswar	37,068
2019	Dr. Nidhin Jose	54 <sup>th</sup> Indian Orthodontic Conference  22 <sup>nd</sup> to 24 <sup>th</sup> November 2019	Bhubaneswar	50,000
2019	Dr. Supriya Nambiar	11 <sup>th</sup> National conference on Health Professions Education  21 <sup>st</sup> to 23 <sup>rd</sup> November 2019	Centenary Convention Centre, KAHER's Jawaharlal Nehru Medical College, Belagavi.	19,655
2019	Dr. Nandita K.P	17 <sup>TH</sup> National Conference of Indian Association of Forensic	Maulana Azad Institute of Dental Sciences,	37,170

		Odontology 21 <sup>st</sup> -22 <sup>nd</sup> Sept 2019	New Delhi	
2019	Dr.Amitha.J.Lewis	17th National Conference of Indian Association of Forensic Odontology 21 <sup>st</sup> -22 <sup>nd</sup> Sept 2019	Maulana Azad Institute of Dental Sciences, New Delhi.	38,170
2019	Dr. Shobha Rodrigues	26 <sup>th</sup> National Conference of the Indian Society of Oral Implantologist  30 <sup>th</sup> Aug to 1 <sup>st</sup> Sept 2019	MUMBAI	30,271
2019	Dr. Puneet Hegde	7 <sup>th</sup> Annual State Conference  30 <sup>th</sup> Aug to 1 <sup>st</sup> Sept 2019	Goa	12,673
2019	Dr. Shobha.J.Rodrigues	ITI Congress 2019  5 <sup>th</sup> & 6 <sup>th</sup> October 2019	Mumbai	
2019	Dr. Umesh Pai	ITI Congress 2019  5 <sup>th</sup> & 6 <sup>th</sup> October 2019	Mumbai	25,161
2019	Dr.G Rajesh	51st APACPH Conference  Nov 21-22, 2019	SDGs in Reality,Amari Watergate, Bangkok, Thailand	50,000
2019	Dr.Mithun Pai	XXIV National Conference Indian Association of Public Health Dentistry  Ramoji Film City,Hyderabad	Ramoji Film City,Hyderabad	27,885
2020	Dr. Ashita S Uppoor	DIABETES INDIA -2020  28-29 Feb'2020 & 1 <sup>st</sup> March 2020	Bangalore	28,947

6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non-teaching staff during the year

Year	Title of the professional	Title of the administrative training	Dates (from-to)	No. of participants (Teaching staff)	No. of participants
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	development programme organised for teaching staff	programme organised for non-teaching staff			(Non-teaching staff)
		Infection control and management	Ist July 2019		133
6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year					
Title of the professional development programme		Number of teachers who attended		Date and Duration (from – to)	
Ortho Endowment lecture		Ten		05.07.2020	
National Consultation - IV Inter professional Approaches to Patient Safety and Quality Care Dr.T M A by M-FIILPE Pai Endowment Chair in IPE and IPP, Manipal Academy of Higher Education, Manipal		Two		08.07.2019	
Qualitative Research Methods and Analysis		One		08.07.2019- 10.07.2019	
Outcome Based Education, -mcods		Twenty four		13.07.2019	
Outcome assessment in Dental Education July 15th , 2019 Internal Quality Assurance Cell, Manipal Academy of Higher Education		Two		15.07.2019	
Continuing Dental Education Programme on Integrative Dentistry at A.B Shetty memorial Institute of Dental Sciences		Two		31.07.2019	
Lifelong learning –Second National Workshop on Teaching Learning Pedagogy for Teachers of Audiology and Speech Language Pathology” KMC, Medical Education Hall 1-3 aug		One		01.08.2019-03.08.2019	
12 <sup>th</sup> ISPRP National Conference 2019, JSS Dental College		One		02.08.2019	
CDE at Yenepoya Dental College		One		07.08.2019	
IACDE 2 <sup>nd</sup> South Zonal Conference 2019 at Mangalore		Four		09.08.2019-10.08.2019	
National Conference of Sustainable, Viable, Alternative Sytems and Technology in Healthcare, SVASTH 2019, MAHE		One		09.08.2019-10.08.2019	
Basic Implantology Course, Mangalore		One		18.08.2019	
Orofacial Pain Concepts’ , MCOADS, Manipal		Two		19.08.2019	

National Training Program in Cleft & Cranifacial Orthodontics at AIMS New Delhi	One	19.08.2019-21.08.2019
CDE program- AB Shetty	One	21.08.2019
ISP Colloquium, AJIDC, Mangalore	Two	22.08.2019-23.08.2019
7 <sup>th</sup> Lingual Orthodontics workshop conducted at berininov lingual cad cam laboratory	One	19.08.2019-23.08.2019
CDE program-Prosthodontics	Seven	27.08.2019-28.08.2019
Orthodontics surgery like orthodontics & Finishing & detailing in complex Orthodontics Cases Program -AB Shetty, Mangalore	Three	28.08.2019
26th Annual conference of Indian Society of Oral Implantology , Mumbai	Three	30.08.2019-01.09.2019
surgical workshop program at Yenepoya	Two	31.08.2019
GYAN evidence based learning, GD, Ahamdabad	One	06.09.2019-08.09.2019
7th Annual State IPS Conference, Goa	Two	06.09.2019-08.09.2019
Maxfacts-2019 OS CDE	Eleven	07.09.2019
Zonal Orthodontic PG Convention 2019, Hasanamba Dental College, Hasan	Two	20.09.2019-22.09.2019
17th National Conference of Indian Association of Forensic Odontology at Maulana Azad Institute of Dental Sciences, New Delhi	Three	21.09.2019-22.09.2019
Introduction to OBE in BDS Curriculum – Part-II Sept 18	Two	18.09.2019
YEN-PEDO-8, Yenepoya Mangalore	One	24.09.2019
3M Scientific Convention for Academic Excellence, Mangalore	Seven	25.09.2019
Pharmacy Teacher's Pedagogical Knowledge and the Pharmacy Teaching Profession". Manipal college of Pharmaceutical Sciences.	One	26.09.2019
Establishment of Tobacco Cessation Centre at Dental College	One	30.09.2019
QPR Suicide Prevention Gatekeeper Program	One	10.10.2019

Pedo CDE on 11.10.19	Five	11.10.2019
ICHTR 2019, Mangalore	Two	29.10.2019- 31.10.2019
CDE program Conducted by IDA Coastal Malabar Branch.K.K. Residency Payyannur	two	27.10.2019
Finishing and Detailing, YDC, Mangalore	Three	04.11.2019
Self-Ligation and Class II Coreectors, A J Institue, Mangalore	Three	06.11.2019
41st National ISPPD Conference, I.T.S Dental College, Hospital and Research Centre, Noida	Four	07.11.2019-09.11.2019
Ethics Committee Accrediation Program, Udupi	Two	09.11.2019
44th National ISP Conference	One	08.11.2019-10.11.2019
AICTE Sponsored Quality Improvement Programme on the theme “ Drug Discovery and Analytical Techniques: An Update in Education and Research, MCOPS, Manipal	One	14.11.2019
A virtual rapid revision summit to achieve perfection	One	27.05.2020
On Oral Manifestations of Systemic Diseases Clinical Society Committee and Student Academic Forum of Sri Ramachandra Dental College, Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai.	One	25.05.2020
“MAHE – MENA FAIMER ALUMNI GLOBAL WEBINAR SERIES”	Two	04.05.2020-30.05.2020
webinar on Role of General Dentist in Tobacco Intervention Initiatives in Dental Set-up KLE, Bangalore	Two	31.05.2020
Imparatus Lecture capturing Training system training by MAHE,Manipal	Eighteen	22.05.2020
Online Scientific Writing Program on the Topics Structuring your manuscript to impress journal editors and Selecting a journal and preparing a great submission package organized by Editage	Two	19.06.2020



“Bite mark Identification in Forensic Odontology” organized by Department of Oral Pathology & Microbiology PCDS & rc, Bhopal in collaboration with Indian Association of Forensic Odontology on 2 <sup>nd</sup> June 2020.	Four	02.06.2020
Basics of Research Methodology: Basics of Publication - Part 2 by SAHASRA ENT FOUNDATION	One	04.06.2020
Innovative cancer care and rehabilitation pvt. ltd (I Can Ca Re) titled "Sensitising Youth against Tobacco"	One	07.06.2020
Structuring your manuscript to impress journal editors and Selecting a journal and preparing a great submission package organized by Edit age	Two	19.06.2020
webinar program on “Learning objectives V/S learning outcomes in Medical/Health Sciences, Education”organized by Internal Quality Assurance Cell – Sri Ramachandra Institute of Higher Education and Research	One	29.06.2020
completed -Preventing dementia (online) - Massive open online course from University of Tasmania during the period of May 2019 - 2020	One	-
Pandemics & Dentistry	Four	28.06.2020
“structuring your manuscript and impress journal editors and Selecting a journal and preparing a great submission package” organized by Edit age	Three	19.06.2020
A virtual rapid revision summit to achieve perfection	One	27.05.2020
Oral Manifestations of Systemic Diseases Clinical Society Committee and Student Academic Forum of Sri Ramachandra Dental College, Sri Ramachandra Institute of Higher Education and Research, Porur, Chennai.	One	25.05.2020
“MAHE – MENA FAIMER ALUMNI GLOBAL WEBINAR SERIES”	Two	04.05.2020-30.05.2020

webinar on Role of General Dentist in Tobacco Intervention Initiatives in Dental Set-up KLE, Bangalore	Two	31.05.2020
Imparatus Lecture capturing Training system training by MAHE, Manipal	Eighteen	22.05.2020
Online Scientific Writing Program on the Topics Structuring your manuscript to impress journal editors and Selecting a journal and preparing a great submission package organized by Edit age	Two	19.06.2020
“Bite mark Identification in Forensic Odontology” organized by Department of Oral Pathology & Microbiology PCDS & rc, Bhopal in collaboration with Indian Association of Forensic Odontology on 2 <sup>nd</sup> June 2020.	Four	02.06.2020

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent/Fulltime	Fulltime/Temporary	Permanent	Fulltime/temporary
59	16	83	05 (MaGE) 48(MIS)(Outsource)

6.3.5 Welfare schemes for

Teaching	Medicare, Group Insurance PF, Gratuity, Family pension, Leave encashment, LTC, Children’s education fee reimbursement, Residential Quarters, Laptop, Scholarship to spouse and children
Non-teaching	Medicare, ESI, Group Insurance PF, Gratuity, Family pension, Leave encashment, Children’s education fee reimbursement, Residential quarters, Scholarship for spouse and children.
Students	Medicare, Scholarship for meritorious students by the University, Financial support for conference presentation. Stipend during Internship, Laptop

**6.4 Financial Management and Resource Mobilization**

6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each)

The institution is certified by ISO 9001:2015, 140001: 2015 and 50001:2011 and internal audits are conducted at six months. Management review meeting and IQAC meeting and necessary action were taken.

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non-government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose

6.4.2 Total corpus fund generated				
<b>6.5 Internal Quality Assurance System</b>				
6.5.1 Whether Academic and Administrative Audit (AAA) has been done?				
Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	TUV Rheinland	Yes	ISO certified Auditors
Administrative	Yes	TUV Rheinland	Yes	ISO certified Auditors
6.5.2 Activities and support from the Parent – Teacher Association (at least three)				
Parents actively participate in college activities and give feedback for improvement in Teaching Learning program They are represent in IQAC.				
6.5.3 Development programmes for support staff (at least three)				
<ul style="list-style-type: none"> <li>• Staff were given training on updated new software</li> <li>• Training on soft skills</li> </ul>				
6.5.4 Post Accreditation initiative(s) (mention at least three)				
<b>6.5.5</b>				
a. Submission of Data for AISHE portal : (Yes ) (Ref No- C-7240-2018/ 9/2/2019)				
b. Participation in NIRF : (Yes / <del>No</del> )				
c. ISO Certification : (Yes / <del>No</del> )				
d. NBA or any other quality audit : (Yes /No)				
6.5.6 Number of Quality Initiatives undertaken during the year				
Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to-- ----)	Number of participants
<b>CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES</b>				
<b>7.1 - Institutional Values and Social Responsibilities</b>				
7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)				
Title of the programme	Period (from-to)	Participants		
Regular workshops conducted on Women Empowerment by the Institution Anti-sexual harassment policy is in place		Female	Male	
	Sep 2019 to Jan 2020	72	22	

1. Gender sensitization 2. Reaching out to the Community 3. Gender related theme inter batch cultural competition						
7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources						
7.1.3 Differently abled (Divyangjan) friendliness						
Items Facilities		Yes/No		No. of Beneficiaries		
Physical facilities		Yes		-		
Provision for lift		Yes		-		
Ramp/ Rails		Yes		-		
Braille Software/facilities		Yes		-		
Rest Rooms		Yes		-		
Scribes for examination		Yes		-		
Special skill development for differently abled students		No		-		
Any other similar facility		-		-		
7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
7.1.5 Human Values and Professional Ethics						
Code of conduct (handbooks) for various stakeholders						
Title		Date of Publication		Follow up (maximum 100 words each)		
Student Hand Book		01/08/2019		This handbook gives information on The rules and regulations to be followed facilities available and the emergency contact detail		
7.1.6 Activities conducted for promotion of universal Values and Ethics						
Activity		Duration (from-----to-----)		Number of participants		
Workshop on Ethics and Communication		30-08-2019		59		
Workshop on Ethics and Communication		5-09-2020		84		
7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)						
Institution is ISO 9001:2015, 14001:2015 with focus on Environmental Management System						
<ul style="list-style-type: none"> <li>Bio-waste Management System</li> </ul>						

- No smoking zone

## 7.2 Best Practices

Describe at least two institutional best practices  
Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

- Indigenous Patient Management System (PMS) and Orthodontic Patient Management System (OPMS)
- Online student and staff feedback
- Smart Identity Card for students and staff
- Teacher Guardian Mentorship
- Rural Satellite Clinic and Mobile clinic: To cater needy and poor rural patients
- Management Information System: Online Student Information System (SIS – to record sessional marks and attendance). Purchase and Inventory, Financial Accounting System, Employees Self Service.
- Outcome Based Curriculum
- Objective Structured Practical/Clinical Examination
- Institution is ISO 9001:2015, 14001:2015 & 50001:2011 certified – The Energy, Environmental and Bio Waste Management aspects are taken care as per the guidelines of certifying body.

## 7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust

Provide the weblink of the institution in not more than 500 words

<https://manipal.edu/mcods-mangalore.html>

MCODS, Mangalore was established in the year 1987. It is situated in the heart of the city. The first year students along with the first year MBBS students are imparted training at the Centre for Basic Sciences, Bejai with the separate hostel for the first year students. The clinical facilities for the medical subjects is available at Kasturba Hospital, Attavar which is 518 bedded. The college has excellent infrastructure facilities with adequate dental chairs and state of the art equipment. The dental college also has Attavar wing with 125 dental chairs. This college has excellent full time teaching faculty with vast clinical and updated experience in dentistry. The college has well established nodal centres which caters to the dental need of rural people. There is transport facilities which connects to all the three campuses. This college has an excellent ambience for studies and recreation. The students are encouraged to participate in co-curricular activities. Most importantly having teacher guardian system to keep the parents updated on their wards progress.

## 8. Future Plans of action for next academic year (500 words)

To improve on existing infrastructure

To increase multi-centric and collaboration research

Name Dr. Ramya Shenoy

Name Dr. Ashita Uppoor

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Signature of the Coordinator, IQAC

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Signature of the Chairperson, IQAC

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## **Annexure I**

### **Abbreviations:**

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution

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For Communication with NAAC

**The Director**

**National Assessment and Accreditation Council (NAAC)**

*(An Autonomous Institution of the University Grants Commission)*

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