

**The Annual Quality Assurance Report (AQAR) of the IQAC: Period July 1, 2017 to June 30, 2018**  
***(Manipal College of Dental Sciences, Mangalore – A Constituent College of Manipal Academy of Higher Education, Manipal – A Deemed University)***

**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 DILIP G. NAIK
- Designation: HOI, The Dean
  - Does the institution function from own campus: Yes
  - Phone no./Alternate phone no.: 0824-2428716/2422271
  - Mobile no.: 9845543474
  - 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
- City/Town: MANGALORE
  - State/UT: KARNATAKA
  - Pin Code: 575001
2. Institutional status:
- Affiliated / Constituent: Constituent
  - Type of Institution: Co-education
  - Location: Urban
  - Financial Status: Self-financing
  - Name of the Affiliating University: Manipal Academy of Higher Education - A Deemed University
  - Name of the IQAC Co-ordinator: Dr Ravindra Kotian
  - Phone no.: 0824-2428716
  - Alternate phone no.: -
  - Mobile: 9449935398
  - IQAC e-mail address: [iqac.mcodsmlr@manipal.edu](mailto:iqac.mcodsmlr@manipal.edu)
  - Alternate Email address: [ravindra.kotian@manipal.edu](mailto:ravindra.kotian@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>
4. Whether Academic Calendar prepared during the year? Yes  
 We 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>	---	2002	From: October 1 <sup>st</sup> 2002 to: 30 <sup>th</sup> September 2007
2 <sup>nd</sup>	A	3.30	2016	from: 11 <sup>th</sup> July 2016 to: 10 <sup>th</sup> July 2021

6. Date of Establishment of IQAC: 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
<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>	11 <sup>th</sup> Feb 2017, 10.30 am to 11.30 am	24 participants
<i>Academic Administrative Audit (AAA) conducted and its follow up action</i>		2
<i>Participation in NIRF</i>		1
<i>ISO Certification</i>		3 audits (2 Internal and 1 External audit)
<i>Any other Quality Audit</i>		Participation National Magazine Survey

**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*
- *Participation in NIRF*
- *ISO Certification*
- *NBA etc.*
- *Any other Quality Audit*

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	Funding agency	Year of award with duration	Amount (₹)
Can a prenatal oral health education through Accredited Social Health Activist (ASHA) make difference on incidence of early childhood Caries-A Cluster randomized controlled trial Dr Ramya Shenoy Co-investigator: Dr Kundabala M	Public Health Foundation of India	2017	3,23,724

Barriers in implementing the Oral Health Practices by the Parents of Children with Early Childhood Caries Dr. Suprabha B S Co-investigator: Dr. Ramya Shenoy Kudpi, Dr. Arathi Rao	Canixa Life Sciences Pvt. Ltd. New Delhi	2017	35,000
Clinical and Radiographic evaluation of Mineral Trioxide Aggregate and Amniotic membrane pulpotomy in primary molars-A RCT Dr. Ellana Joseph Co-investigator Dr. Arathi Rao, Dr. Karuna Y. M	ICMR	2017	50000

9. Whether composition of IQAC as per latest NAAC guidelines: Yes

\*upload latest notification of formation of IQAC [www.manipal.edu/mcods-mangalore.html](http://www.manipal.edu/mcods-mangalore.html)  
<https://webmail.manipal.edu/>

10. No. of IQAC meetings held during the year: 2

(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

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

- ✚ Outcome – Based Education
- ✚ Dental Clinical Photography
- ✚ Eye for Implantology: Beginners Workshop
- ✚ eviDENS 2017 - A workshop on Research Methodology, Epidemiology, Biostatistics and Ethics
- ✚ MAX Facts 2017 - Emergency Skills for Dentists,
- ✚ IMPACT- CPD program
- ✚ 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 2017
- ✚ International Symposium on Dentistry titled “Dentistry: Now and Beyond”
- ✚ “An overview on Peri implant diseases by Periodontics
- ✚ Dentofest –dental exhibition for 5 days
- ✚ International Yoga day celebration
- ✚ The Medical Crises Management Workshop, ‘Action in Distress’ and talk on “innovation” by MAHESRF
- ✚ “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 ₹ 4,08724 MAHESRF workshop -1 Refresher course: 1 CDE-1 & GRASP CPDs (Continuing Professional Development) conducted: 13 Workshops -10 Student symposium -01 Institutional research committee conducted lecture series and workshops Preconference of 46 <sup>th</sup> IPS national conferences -1 Publications in National and International Scientific Journals: 82 Conference Presentations: 33 Pursuing PhD: 01
Community programme	Dental exhibition – “Dentofest” -1 Number of Community Dentistry camps conducted: 402 and Patients treated: 37819 Schools camps conducted: 84 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	<ul style="list-style-type: none"> <li>🚩 Ranked 5th among all private dental colleges of India and 12th among all the dental colleges as per a survey by the Outlook Professional College ranking in 2017.</li> <li>🚩 Manipal College of Dental Sciences, Mangalore has bagged 10 awards in the various categories of Guident Dental Academic Excellence Awards 2017</li> <li>🚩 Conducted a workshop jointly with MCOADS, Manipal to create a curriculum based on Outcome based education</li> <li>🚩 Exchange Agreement entered into between MAHE and the University of Portsmouth Higher Education corporation UK</li> <li>🚩 University of Minnesota (UMN) – Kabul University of Medical Sciences (KUMS) – MCOADS Exchange program</li> <li>🚩 Soft skill workshop-03</li> <li>🚩 Institutional academic reputation cell(IARC)-wellness workshops-2</li> <li>🚩 ISO 9001:2015 , 14001:2015 and 50001:2011</li> </ul>

**14. Whether the AQAR was placed before statutory body? No**

Name of the Statutory body: Management Date of meeting(s): 23-07-2016

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning? No**

16. Whether institutional data submitted to AISHE: Yes

Year: C-7240-2017

Date of Submission: 27/02/2018

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)

Manipal College of Dental Sciences, Mangalore operates through Management Information System services in the areas related to Students (undergraduates and post graduates), faculty members, and Patients. The Student information system comprises of the information of the students from admission until the student graduates. These include student qualifications, attendance, examination scores, special achievements, details of participation of student in various activities. Management information system for faculty consists of employee details, leave details, salary details, etc. The patient management system contains the patient's appointment data, treatment history, payment details.

Purchase and Inventory – Online supply submission of material requirement for department consumption.

Employee Self Service – Online submission of leave note, HR policies

Student Information System – Online attendance, Internal Assessment marks

Financial Accounting System – Salary/Tax planning/Finance related HR Policies.

**Biometric attendance system for faculty:** Manipal College of Dental Sciences, Mangalore, follows biometric attendance system for faculty. All the details of biometric details of faculty is maintained at regular daily basis.

## 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 is designed on the basis of Objective Based Education. It involves ICT enabled teaching, didactic lectures, discussions, slide shows, seminars, Objective structured practical/clinical examinations (O S P/C E) and Self Directed Learning.					
The academic calendar for each batch is planned and approved well in advance to ensure meeting the minimum number of working days are satisfied as per the statutory requirements.					
The academic calendar is based on beginning of the course, dates for the internal assessment, mid-term and annual vacation, etc. From the finalized academic calendar, student section of Dean’s office will formulate class (lecture) schedule, course content, total hour of lectures and practical /clinical hours required of individual subject. BoS is held twice in a year with External experts and student representation to upgrade curriculum, examination pattern and teaching methodology. There is separate BoS year wise and subject wise. Feedback from External experts and students are taken.					
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	
1. Centre for forensic Odontology	-	1 <sup>st</sup> June 2018	-	-	
<b>1.2 Academic Flexibility</b>					
1.2.1 New programmes/courses introduced during the Academic year					
<b>Programme with Code</b>	<b>Date of Introduction</b>		<b>Course with Code</b>	<b>Date of Introduction</b>	
-	-		-	-	
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	<b>UG</b>	<b>PG</b>	Date of implementation of CBCS / Elective Course System	<b>UG</b>	<b>PG</b>
-	-	-	-	-	-
Already adopted (mention the year)					
1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year					
No of Students	Certificate	Diploma Courses			
15	1. Centre for forensic Odontology	-			
06	PG certificate in Advanced Restorative Dentistry	-			
21	Certificate course in Cone Beam Computed	-			

Tomography				
<b>1.3 Curriculum Enrichment</b>				
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
Wellness club		3 <sup>rd</sup> March 2018		59
1.3.2 Field Projects / Internships under taken during the year				
Project/Programme Title			No. of students enrolled for Field Projects / Internships	
-			-	
<b>1.4 Feedback System</b>				
1.4.1 Whether structured feedback received from all the stakeholders.				
1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes	Yes	Yes
1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)				
A structured feedback system is utilized to obtain feedback from all the stakeholders (Students, Parents, Patients and Teachers) on various aspects like Academics, Curriculum, Infrastructure, Conduct of examination etc. Annually once the feedback from the students regarding the quality of curricular and co-curricular facilities infrastructure. Each parameter is analysed and corrective measures are taken by discussing in Core Committee meeting held every month and in IQAC meeting held twice in a year.				
<b>CRITERION II -TEACHING-LEARNING AND EVALUATION</b>				
<b>2.1 Student Enrolment and Profile</b>				
<b>2.1. 1 Demand Ratio during the year</b>				
<b>Name of the Programme</b>		<b>Number of seats available</b>	<b>Number of applications received</b>	<b>Students Enrolled</b>
BDS		100	-	-
Orthodontics & Dentofacial Orthopaedics (MDS)		5	-	-
Oral Pathology & Microbiology (MDS)		-	-	-
Periodontology (MDS)		3	-	-
Prosthodontics & Crown & Bridge (MDS)		3	-	-
Conservative Dentistry & Endodontics (MDS)		5	-	-
Oral & Maxillofacial Surgery (MDS)		3	-	-
Pedodontics & Preventive Dentistry (MDS)		3	-	-
Oral Medicine & Radiology (MDS)		2	-	-
Public Health Dentistry (MDS)		1	-	-
PG diploma in dental material		-		
<b>Certificate course in</b>				
1. Dental Mechanics				
2. Restorative Dentistry				
3. CBCT				
<b>PhD program</b>				
-				
<b>2.2 Catering to Student Diversity</b>				
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	Number of teachers teaching both UG and PG courses
	492	74	76	58	76(58+18)

### 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 ( <i>LMS, e-Resources</i> )	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
77	77	15	4	4	15

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

Yes – Teacher guardian mentorship

All the undergraduate students admitted to the institution are provided with a teaching faculty as a mentor. A total of 10 -20 students will be allotted to the faculty mentor. (1<sup>st</sup> and 2<sup>nd</sup> yr 10 students per faculty, and 20 students per faculty for 3<sup>rd</sup> and final yr) The allotted faculty mentor closely monitors the academic and extracurricular performance of the students and reports to the student affairs regarding the progress. There will be constant communication (telephonic/Email) with parents. Students are encouraged to take up small research projects, and attend national and international conferences.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
492	18	1;25

### 2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
77	77	6	7	4

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
2017	Dr Karthik Shetty	Additional professor	<ul style="list-style-type: none"> <li>won runners up award at MAHE Inter Collegiate Staff Squash tournament conducted by Manipal College of Nursing, Manipal</li> <li>Elected as the President</li> </ul>



			Elect of the Indian Dental Association Dakshina Kannada Branch at the 72 Annual General body meeting
2017	Dr Kundabala	professor	<ul style="list-style-type: none"> <li>Received the Guident Dental Academic Excellence Award for Most Proactive Dental Academician Sr Level in Conservative Dentistry at New Delhi</li> <li>Received the Guident Dental Academic Excellence Award for Most Proactive Dental Academician Jr Level in Conservative Dentistry at New Delhi</li> <li>Received the Guident Dental Academic Excellence Award for Most Proactive Dental Academician Sr Level in Oral Medicine at New Delhi</li> <li>Received the Guident Dental Academic Excellence Award for Most Proactive Dental Academician Jr Level in Oral Medicine at New Delhi</li> <li>Received the Guident Award for The Most Proactive (Jr) Academician for the year 2016-2017 in Oral Pathology &amp; Microbiology at New Delhi</li> <li>Received the Guident Dental Academic Excellence Award for The</li> </ul>
	Dr Manuel Thomas	Associate professor	
	Dr Ravikiran Ongole	Professor	
	Dr.Nandita Shenoy	Associate professor	
	Dr.Nandita KP	Associate professor	
	Dr.Ashith MV	Reader	
	Dr.Ashwin Rao	Associate professor	

			<p>Most Proactive (Jr) Academician for the year 2016-2017 in Orthodontics and Dentofacial Orthopaedics at New Delhi</p> <ul style="list-style-type: none"> <li>Received the Guident Dental Academic Excellence Award for The Most Proactive (Jr) Academician for the year 2016-2017 in Pedodontics and preventive dentistry at New Delhi</li> </ul>
2017	Dr.Srikant N  Dr Shweta Yellapurkar	Associate professor  Assistant professor	<ul style="list-style-type: none"> <li>Won first prize for Paper at the National Conference of the Indian Association of Forensic Odontology at Bengaluru</li> <li>Won second prize for Paper at the National Conference of the Indian Association of Forensic Odontology at Bengaluru</li> </ul>
2017	Dr.Arathi Rao	Professor	Won a best paper award at 39th ISPPD National Conference held at Chennai
2017	Dr Mranali Shetty	Reader	first prize in the women's Single, doubles and mixed doubles category in the MAHE Inter collegiate squash tournament conducted by MCOPS, Manipal
2017	Dr. Rajesh G	Professor and Head	Elected as the EXECUTIVE COMMITTEE MEMBER of the Indian Association of Public Health Dentistry at the Annual General body Meeting (AGM) of the 22nd National conference of Indian Association of Public Health Dentistry from at Dhule Maharashtra

2017	Dr.Mitun Pai	Associate professor	Won the Best Paper award for scientific poster at the 22 National Conference of Indian Association of Public Health Dentistry, held at Dhule, Maharashtra.
2018	Dr.Suprabha B.S	Professor and Head	Faculty with maximum FAIR publication points- 2017 as corresponding author, titled " Evaluation of pit-and- fissure sealants placed with four different bonding protocols: a randomized clinical trial" which was published in the International Journal of Pediatric Dentistry, a Web of Science indexed journal (impact factor of 0.928 and highest in the pediatric dentistry specialty) has been recognized as the 20 most downloaded recent papers of the journal
2018	Dr. Ramya Shenoy	Associate professor	awarded with Kimberly S. Swanson Geriatric and Special Needs Graduate Program Fund in the amount of \$ 2,532.00, while pursuing the fellowship at College of Dentistry, University of Iowa. This award was presented to her for her beyond in all your efforts to care towards geriatric and special needs population

## 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		1	05/07/2019	13/07/2019
BDS		2	05/07/2019	13/07/2019
BDS		3	14/08/2019	24/08/2019
BDS		Final yr part 1	15/02/2019	23/02/2019
BDS		Final part 2	17/08/2018	27/08/2018
MDS		3	17/05/2019	27/05/2019

<b>2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)</b>				
Continuous internal evaluation of the academic performance of the students is carried in the form of sessional examination. A total of 3 internal sessional examinations (theory + practical) will be conducted during the academic year. A student needs to score a minimum of 3 out of 10 to be eligible for the university examination. In addition to the internal assessment, students are regularly evaluated through group discussions, end posting examinations, assignments, case-based discussions, etc.				
<b>2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)</b>				
The Academic calendar is prepared before the start of Academic year that include Academic terms, Sessional exam, University Exam dates subject wise as well as vacation and start of next Academic session. The information is made online and shared with all stake holders in addition to students and parents to plan their duties and responsibilities.				
<b>2.6 Student Performance and Learning Outcomes</b>				
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				
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	88	80	91
	II BDS	92	86	94
	III BDS	97	90	93
	IV-part 1 EXAM HELD IN FEB 2018	101	99	98
	IV -Part II	101	98	97
	MDS(ORAL MEDICINE & RADIOLOGY)	03	03	100
	MDS(ORAL & MAXILLOFACIAL SURGERY)	03	03	100
	MDS(CONSERVATIVE DENTISTRY & ENDODONTICS)	04	04	100
	MDS(PERIODONTOLOGY)	02	02	100
	MDS(PAEDODONTICS & PREVENTIVE DENTISTRY)	03	03	100
	MDS(PROSTHODONTICS AND CROWN & BRIDGE)	03	03	100
	MDS(ORAL PATHOLOGY & MICROBIOLOGY)	02	02	100
	MDS (PUBLIC HEALTH	02	02	100

	DENTISTRY)			
	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) The student satisfaction survey is conducted annually, and the analysis of the feedback from the students will be carried out. The suggestions or recommendations are discussed and actions will be taken and implemented as early as possible.

### 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	Amount received during the Academic year
Major projects				
Can a prenatal oral health education through Accredited Social Health Activist (ASHA) make difference on incidence of early childhood Caries-A cluster randomized controlled trial		Public Health Foundation of India		3,23,724
Barriers in implementing the Oral Health Practices by the Parents of Children with Early Childhood Caries		Canixa Life Sciences Pvt. Ltd. New Delhi		35,000
Clinical and Radiographic evaluation of Mineral Trioxide Aggregate and Amniotic membrane pulpotomy in primary molars-A RCT		ICMR		50,000
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	Canixa Life Sciences Pvt. Ltd. New Delhi	-	35000
Projects sponsored by the University/ College	-	-	-	-
Students Research Projects ( <i>other than compulsory by the College</i> )	-	-	-	-
International Projects	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	-	4,08724

#### 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 Workshop/Seminar	Name of the Dept.	Date(s)
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-	-	--		
<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
Prize in Manipal University Innovation Day			28 Oct, 2017	
The Team MCODES, Mangalore won the second prize in Mad Adds competition held at 25th edition of Brandscan, Annual Marketing Research Fair conducted by TAPMI, Manipal		TAPMI Manipal	12 Nov, 2017	Student
Innovation titled “3-D VERSASCREW – A NOVEL APPROACH IN MANAGEMENT OF BILATERAL CLEFT LIP & PALATE CASES” at Manipal University Innovation Day	Dr. Ashith M.V. Dr. Nukala Sree Suma(PG)	Innovation Center MAHE & MCODES, Manipal	28 Oct, 2017	Teacher –student
Prof Ramachandra Rao Memorial award for scoring the highest mark in Periodontics in Final BDS at 30 <sup>th</sup> ISDR Annual conference New Delhi,	Miss Nikitha Rugta	ISDR	30 Sep -2 oct, 2017	Student
Was nominated for the Famdent Awards 2017 in the Student Of student The Year Undergraduate Category	Mr. Viral Dave	Famdent	16 Dec 2017	
Awarded Best Intern - consolation award by Indian Health Professional Awards held at New Delhi	Miss Devyani Bhel	Indian Health Professional Award	23 Dec 2017	Student
second Prize for the ‘Mannequin Challenge’ competition Theme ‘Managing a Difficult Child’ At the 15th ISPPD National PG Convention, Vododara, Gujarat		ISPPD National PG Convention, Vododara, Gujarat	8-10 Feb, 2018	Student
<b>3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year</b>				
Incubation Centre	Name	Sponsored by		
1. Surgical skill lab	MCODES MANGALORE	-		
Name of the Start-up	Nature of Start-up	Date of commencement		
Surgical skill lab	-	8.05.2018		
<b>3.3 Research Publications and Awards</b>				
<b>3.3.1 Incentive to the teachers who receive recognition/awards</b>				
State	National	International		
-	-	-		

3.3.2 Ph. Ds awarded during the year ( <i>applicable for PG College, Research Center</i> )						
Name of the Department			No. of Ph. Ds Awarded			
Nil			Nil			
3.3.3 Research Publications in the Journals notified on UGC website during the year						
	Department	No. of Publication	Average Impact Factor, if any			
National	Manipal College of Dental Sciences, Mangalore	42				
International	Manipal College of Dental Sciences, Mangalore	30				
3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year						
Department		Number of publication				
<b>1. Practical Manual of Oral Pathology- A practical companion for UG Dental Students –by Dr Karen Boaz &amp; Dr Srikant N (1st edition Samiksha Publishers, Kathmandu)</b>						
<b>2. Practical Manual of Oral Histology- A practical companion for UG Dental Students- by Dr Karen Boaz &amp; Dr Srikant N (1st edition Samiksha Publishers, Kathmandu)</b>						
<b>3. Text book “Essentials of Public Health Dentistry – 6th Edition by Dr.Ashwini Rao (Arya Medi Publishers,)</b>						
Department		Number of publication				
Dental material		02				
Oral pathology		17				
Conservative dentistry		19				
Oral medicine and radiology		10				
Periodontology		05				
Pedodontics		14				
Public health dentistry		04				
3.3.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index						
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citations
Rapidly enlarging swelling of the palate: A case report.	Karen Boaz Dr.Srikant N Dr.Nidhi M Dr.Amitha	Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology,	2017		Manipal University /Manipal Academy of Higher Education	
Oncocytes in Mucoepidermoid		Case Reports in	2017			

Carcinoma of the Palate: Diagnostic Challenges.	Dr.Nandita Kp	Dentistry 2017, Article ID 5741821, 4 Pages.				
Pulp Tooth Ratio in The estimation of Age: A Study on Mandibular Premolars.		J- SIMLA (South India Medico-Legal Association), 2017. Vol 9 (2); pages 80-84.	2017			
Pixel Optical Densitometry-A novel quantification tool using Image analysis software based histogram study.		International Journal of Clinical Dentistry, 2017. Vol 10 (1); pages 67-72.	2017			
A Comparison of Clinicopathological Differences in Oral Squamous Cell Carcinoma in Patients Below and Above 40 Years of Age.		Journal of Clinical and Diagnostic Research, 2017. Vol. 11 (9); pages ZC46-ZC50.	2017			
Effectiveness of Ultrasonic and Manual Dynamic Agitation Techniques in Irrigant Penetration: An in vitro Study.		World Journal of Dentistry (May) 2017. Vol 8(3):207-212.	2017			
Salivary Amylase as a Marker of Salivary Gland Function in Patients Undergoing Radiotherapy for Oral Cancer.		Journal of Clinical Laboratory Analysis, 2016. Vol 00; pages 1-3	2017			
Pulpal Response to Ferric Sulfate and Diode Laser When Used as Pulpotomy Agent: An In vivo Study.		J Clin Diagn Res. 2017 June;11(6):ZC87-ZC91	2017			
.Understanding patterns of invasion: a novel approach to assessment of podoplanin expression in the prediction of lymph node metastasis in oral squamous cell carcinoma.		Histopathology. 2018; 72(4):672-678. Q1: 83% 30/185 Pathology and Forensic Medicine	2018			



Accuracy of ABO blood grouping from the Dental Pulp.		J Punjab Acad Forensic Med Toxicol 2017;17 (2): 60-62. Q4 6% 173/185 Pathology and Forensic Medicine	2017			
Clear Cell Odontogenic Carcinoma: A diagnosis of Exclusion.		Transylvanian Review 2018; Volume XXV 23: 6059-62.	2018			
Neutrophil-to-lymphocyte ratio: A surrogate marker for prognosis of oral squamous cell carcinoma.		Indian J Med Paediatr Oncol 2018;39:8-12. Q3: 41% 160/271 Pediatrics, perinatology and child health	2018			
Expression of Laminin in Oral Squamous Cell Carcinoma.		Asian Pacific Journal of Cancer Prevention 2018; 19: 407-413.	2018			
Remineralizing effectiveness of calcium sucrose phosphate and fluoride dentifrices		Contemp Clin Dent 2018;9:276-82.	2018			
A correlation of immunohistochemical expression of TP53 and CDKN1A in oral epithelial dysplasia and oral squamous cell carcinoma.		J Can Res Ther 2018;14:666-70.				
Buccal smear: A promising tool in the diagnosis of Diabetes Mellitus		Le Travail Human 2018; 81: 1675-1680.				
Comparison of Quality of Impression and Clinical Performance after Gingival Displacement with Magic Foam Cord and Gingival Retraction Cord - An in vivo Study.		Indian Journal of Public Health Research & Development 2018; 9: 379-84				

Effect of Tobacco Extract on Streptococcus mutans: Possible role in Modulating Carcinogenesis.		Asian J Pharmaceutical and Clin Res 2018; 11: 398-401.				
X-ray diffraction analysis of hydroxyapatite-coated in different plasma gas atmosphere on Ti and Ti-6Al-4V	Dr.Ravindra Kotian	European Journal of Dentistry, Volume 11 Number 4 Oct-Dec 2017, p 438-46	2017			
Effect of finishing/polishing techniques and time on surface roughness of esthetic restorative materials	Dr.Prashanthi Madhyastha	Dental Research Journal. 2017;14(5):326-330				
Visual Acuity of Dentists under simulated clinical conditions-A cross sectional study	Dr.Kundabala M	Indian Journal of Public Health Research & Development, Oct-Dec. 2017, Vol. 8, No. 4: Page 161-165	2017			
Comparative post irrigation evaluation of calcium loss and its effect on microhardness of radicular dentin		Indian Journal of Public Health Research & Development, Oct-Dec. 2017, Vol. 8, No. 4: Page 172-177				
Midline Diastema Closure by Interdisciplinary Approach-A Case Report		Indian Journal of Public Health Research & Development, January 2018, Vol. 9, No. 1:Page 115-118	2018			
Maxillary First Molar with Two Palatal Canals: A Rare Case Report		Indian Journal of Public Health Research & Development, January 2018, Vol. 9, No. 1:Page 181-184	2018			

SEM Evaluation of the Resin tag depths produced by two self-etching adhesive systems in ground enamel	Dr. Neeta Shetty	Indian Journal of Public Health research & development 2018 9(2) 116-120				
Management of a complicated coronal third of root fracture by interdisciplinary approach : A case report		Indian Journal of Public Health research & development  2018 9(2) 126-128				
Evaluation of the setting time, sealing ability and flow of Zinc Oxide Eugenol based and Epoxy resin based endodontic sealers with and without the addition of triple Antibiotic powder		Research Journal of Pharmaceutical, Biological and Chemical Sciences. 2018; 9(2):836-842.				
Importance of Pre-Prosthetic evaluation of endodontically treated tooth : A case report		Acta Scientific dental Sciences 2018 2(4) 78-80	2018			
Diastemata Correction in the Aesthetic Zone by Ceramic Veneers		scientific Archives of Dental Sciences				
Comparative evaluation of second mesiobuccal canal detection in maxillary first molars using magnification and illumination	Dr.karthik Shetty	Saudi Endodontic Journal, 2017: 7(3): 166-168.				
Concept of minimal invasive indirect veneers	Dr.Manuel Thomas	New York State Dental Journal. 2017; 83(3):32-36				
Dental Erosion Caused by Carbonated Sports Drinks: A Review.		Indian Journal of Public Health Research & Development. 2017; 8(2): 193-196.				
Effect of storage temperature and heating on the concentration of available chlorine and pH of 2.5%		Saudi Endod J 2017;7(3):161-5.				

sodium hypochlorite.						
Effect of various dentin disinfection protocols on the bond strength of resin modified glass ionomer restorative material.		J Clin Exp Dent. 2017;9(7):e837-41.				
Evaluation of the Setting Time, Sealing Ability and Flow of Zinc Oxide Eugenol Based and Epoxy Resin Based Endodontic Sealers with and without the Addition of Triple Antibiotic Powder.		Research Journal of Pharmaceutical, Biological and Chemical Sciences. 2018; 9(2):836-842.				
Quit Tobacco: Are We Prepared?	Dr.Lakshmi mallya	Indian Journal of Public Health Research & Development, April-June 2017, Vol. 8, No. 2	2017			
Current Developments In Transport Media For Avulsed Teeth: An Update	Dr.Shreya Hegde	Asian J Pharm Clin Res. 2017;10( 2),1-4.				
Assessment of the Level of Knowledge and Awareness of Dental Health Care Workers about Hand Hygiene-A Questionnaire based Study.		Indian Journal of Public Health Research & Development. 2017;8(3):200-5.				
Effect of finishing/polishing techniques and time on surface roughness of esthetic restorative materials.		Dent Res J 2017;14:326-30.				
Maxillary First Molar with Two Palatal Canals: A Rare Case Report.	Dr.Roma M	Indian Journal of Public Health Research & Development, January-March 2018, Vol. 9, No. 1, 177-180.				
Clinical significance of hallers cells: A cone beam computed tomography study	Dr.Junaid Ahmed	World J of Dentistry Volume 9, Issue 3, May-June 2018, Pages 225-230	2018			

Impacted third molars and its propensity to stimulate external root resorption in second molars: Comparison of orthopantomogram and cone beam computed tomography.		World Journal of Dentistry Volume 8, Issue 4, July-August 2017, Pages 281-287	2017			
Incidence of Opportunistic Infections among HIV-Positive Adults on Highly Active Antiretroviral Therapy in a Teaching Hospital, India: Prospective Study	Dr.Nandita Shenoy	Journal of the International Association of Providers of AIDS. Volume 16, Issue 3, 1 May 2017, Pages 309-311				
Tobacco Cessation Scenarios Among Healthcare Profession Students: A Multidisciplinary Study	Dr.Almas Binnal	Asian Pacific journal of cancer prevention: APJCP 19 (4), 1081-1088				
Sublingual varices due to hypertension; is it a possibility?		Le travail humain				
Frontal sinus as an aid in Gender Identification in Forensic Dentistry: a Retrospective Study using Cone Beam Computed Tomography.		World J Dent 2018; 9: 34-37.				
General Dental Practitioners as Potential Responders to Disaster Scenario in a Highly Disaster-prone Area: An Explorative Study.		The journal of contemporary dental practice 18 (12), 1144-1152				
Assessment of Genotoxic Effects of Various Forms of Smokeless Tobacco Using Micronuclei Assay	Dr.Ceena Denny	Transylvanian Review: Vol XXVI, No. 25, February 2018.				
Non-invasive in vivo screening of oral malignancy using laser-induced fluorescence based system	Dr.Ravikiran	Sovremennye Tehnologii v Medicine				
Bilateral radicular dens invaginatus in mandibular first premolars-report of two rare cases		Journal of Clinical and Diagnostic Research				

Perio-ortho interaction –A review	Dr.Deepa Kamth David K	Journal of Pharmaceutical sciences & Research, 10(5), 1053 – 1056, May 2018				
Oral Health and Erectile Dysfunction	Dr. Sangeeta U Nayak	Journal of Human Reproductive Sciences, Vol 10 issue 3, 162 – 166. July – Sep 2017	2017			
When Cogs and Gears Fail- Role of Genetics in Periodontal Disease	Dr. Deepa Kamath & Sangeeta Nayak	Journal of Pharmaceutical Sciences & Research, 9(10), 2101 – 2105, 2017	2018			
Diabetes and Periodontitis – Role in Cognitive Impairment	Dr.Dilip Naik Dr.Ashita Uppoor	Dental Hypotheses, Vol 9 Issue 1, 20-24, Mar 2018	2018			
Recurrent peripheral ossifying fibroma: Case report	Dr.David K	Dental & Medical Problems, 55(1) 83–86 May 2018	2018			
Evaluation of pit-and-fissure sealants placed with four different bonding protocols: a randomized clinical trial.		International Journal of Paediatric Dentistry 2017; 27: 444–453.	2017			
Readiness and Utilization of Computer-Assisted Learning among Dental Students and Faculty		Dental Hypotheses 2017; 8:87-93	2017			
Association of level of education and utilization of restorative dental care among rural women in India: Cross-sectional study.		Indian Journal of Dental Research 2017; 28:642-5.	2017			
Can exposure to acidic beverages following the application of fluoride varnish cause changes in the amount of fluoride release? an in vitro study.		Journal of Orofacial Sciences 2017; 9:91-4.	2017			

Remineralizing Effectiveness of Calcium Sucrose Phosphate and Fluoride Dentifrices: An In vitro Study.		Contemp Clin Dent 2018;9:276-82.	2018			
Knowledge, attitude, and behaviour of nurses toward delivery of Primary Oral Health Care in Dakshina Kannada, India		J Indian Soc Pedod Prev Dent 2018;36:21-5.	2018			
Surgical Management of Complex Odontoma Associated with Agenesis of a Molar.		Contemp Clin Dent. 2018;9(Suppl 2):S388-S390.	2018			
Association of Maternal and Child Dental Anxiety With Dental Caries Experience and Dental Attendance Pattern of the Child.		J Orofac Sci 2018;10:75-9.	2018			
Management of dental avulsion in a child with severe intellectual disability: Case report		Dent. Med. Probl,54(2),2017, 213-216	2017			
Sectional fixed appliance Therapy in the mixed dentition		Dental update,44,2017, 1083-1088				
Evaluation of a modified two stage technique: A preliminary investigation.		Dent Hypotheses 2017; 8: 34-8.	2017			
Evaluation of Effectiveness of Home Remedies for Toothbrush Decontamination using Vinegar and Vinegar with Common Salt.	Dr.karuna Y M	World J Dent 2018; 9 : 19-23.	2018			
Image Distortion of the Roots of Maxillary Deciduous Molars on IOPA's Recorded with Bisecting Angle or a Modified Paralleling Technique.		Biomed Pharmacol J 2018;11(2).1039-1042.	2018			
Evaluation of Plaque pH changes following consumption of health drinks by children- A pilot study	Dr.Anupama Nayak	J Clin Diagn Res 2017; 11(5):ZC05-ZC08	2017			
Cavity disinfectants in restorative dentistry-journey to date		Int J of Clin Dent 2018; 11(1):67-77.	2018			

Influence of Oral Health Literacy on the Oral Health Status of School Teachers in Mangalore, India	Dr.ashwini Rao	Journal of Indian Association of Public Health Dentistry. 2018 Apr 1;16(2):127.	2018			
Challenges in Learning Preclinical Prosthodontics: A Survey of Perceptions of Dental Undergraduates and Teaching Faculty at an Indian Dental School.	Dr.Rajesh G	Journal of clinical and diagnostic research: JCDR. 2017 Aug;11(8):ZC01	2017			
Knowledge, perceived need for education, and willingness to participate in bioterrorism preparedness among students in an indian dental institute: A questionnaire study.		Medical Journal of Dr. DY Patil University. 2017 Nov 1;10(6):526.	2017			
Impact of dental caries on oral health related quality of life among indian adolescents – an exploratory study.		International Journal of Advanced Research 2018;6(5):1057-1062.	2018			
Effect of lactobacillus acidophilus and streptococcus salivarius on growth of periodontal pathogens – an in-vitro study.	Dr.Mithun Pai	International Journal of Advanced Research 2018;6(5):607-612	2018			

### 3.3.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self-citations	Institutional affiliation as mentioned in the publication
X-ray diffraction analysis of hydroxyapatite-coated in different plasma gas atmosphere on Ti and Ti-6Al-4V	Ravindra Kotian	European Journal of Dentistry, Volume 11 Number 4 Oct-Dec 2017, p 438-46	2017	2		



Effect of finishing/polishing techniques and time on surface roughness of esthetic restorative materials	Prashanthi Madhyastha	Dental Research Journal. 2017;14(5):326-330	2017	1		
Rapidly enlarging swelling of the palate: A case report.	Karen Boaz Dr.Srikant N Dr.Nidhi M Dr.Amitha Dr.Nandita Kp	Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology,	2017-2018	2 2 1 - 1		
Oncocytes in Mucoepidermoid Carcinoma of the Palate: Diagnostic Challenges.		Case Reports in Dentistry 2017, Article ID 5741821, 4 Pages.				
Pulp Tooth Ratio in The estimation of Age: A Study on Mandibular Premolars.		J- SIMLA (South India Medico-Legal Association), 2017. Vol 9 (2); pages 80-84.				
Pixel Optical Densitometry-A novel quantification tool using Image analysis software based histogram study.		International Journal of Clinical Dentistry, 2017. Vol 10 (1); pages 67-72.				
A Comparison of Clinicopathological Differences in Oral Squamous Cell Carcinoma in Patients Below and Above 40		Journal of Clinical and Diagnostic Research, 2017. Vol. 11 (9); pages				

Years of Age.		ZC46-ZC50.				
Effectiveness of Ultrasonic and Manual Dynamic Agitation Techniques in Irrigant Penetration: An in vitro Study.		World Journal of Dentistry (May) 2017. Vol 8(3):207-212.				
Salivary Amylase as a Marker of Salivary Gland Function in Patients Undergoing Radiotherapy for Oral Cancer.		Journal of Clinical Laboratory Analysis, 2016. Vol 00; pages 1-3				
Pulpal Response to Ferric Sulfate and Diode Laser When Used as Pulpotomy Agent: An In vivo Study.		J Clin Diagn Res. 2017 June;11(6):ZC87-ZC91				
Effect of finishing/polishing techniques and time on surface roughness of esthetic restorative materials.		Dental Research Journal. 2017;14(5):326-330				
.Understanding patterns of invasion: a novel approach to assessment of podoplanin expression in the prediction of lymph node metastasis in oral squamous cell carcinoma.		Histopathology. 2018; 72(4):672-678. Q1: 83% 30/185  Pathology and Forensic Medicine				

Accuracy of ABO blood grouping from the Dental Pulp.		J Punjab Acad Forensic Med Toxicol 2017;17 (2): 60-62. Q4 6% 173/185  Pathology and Forensic Medicine				
Clear Cell Odontogenic Carcinoma: A diagnosis of Exclusion.		Transylvania n Review 2018; Volume XXV 23: 6059-62.				
Neutrophil-to-lymphocyte ratio: A surrogate marker for prognosis of oral squamous cell carcinoma.		Indian J Med Paediatr Oncol 2018;39:8-12. Q3: 41% 160/271  Pediatrics, perinatology and child health				
Expression of Laminin in Oral Squamous Cell Carcinoma.		Asian Pacific Journal of Cancer Prevention 2018; 19: 407-413.				
A correlation of immunohistochemical expression of TP53 and CDKN1A in oral epithelial dysplasia and oral squamous cell carcinoma.		J Can Res Ther 2018;14:666-70.				

Buccal smear: A promising tool in the diagnosis of Diabetes Mellitus		Le Travail Human 2018; 81: 1675-1680.				
Comparison of Quality of Impression and Clinical Performance after Gingival Displacement with Magic Foam Cord and Gingival Retraction Cord - An in vivo Study.		Indian Journal of Public Health Research & Development 2018; 9: 379-84				
Effect of Tobacco Extract on Streptococcus mutans: Possible role in Modulating Carcinogenesis.		Asian J Pharmaceutic al and Clin Res 2018; 11: 398-401.				
Visual Acuity of Dentists under simulated clinical conditions-A cross sectional study	Dr.Kundabala M	Indian Journal of Public Health Research & Development , Oct-Dec. 2017, Vol. 8, No. 4: Page 161-165	2017	9		
Comparative post irrigation evaluation of calcium loss and its effect on microhardness of radicular dentin		Indian Journal of Public Health Research & Development , Oct-Dec. 2017, Vol. 8, No. 4: Page 172-177				

.Midline Diastema Closure by Interdisciplinary Approach-A Case Report		Indian Journal of Public Health Research & Development , January 2018, Vol. 9, No. 1:Page 115-118	2018			
Maxillary First Molar with Two Palatal Canals: A Rare Case Report		Indian Journal of Public Health Research & Development , January 2018, Vol. 9, No. 1:Page 181-184	2018			
SEM Evaluation of the Resin tag depths produced by two self-etching adhesive systems in ground enamel	Dr.Neeta Shetty	Indian Journal of Public Health research & development 2018 9(2) 116-120		3		
Management of a complicated coronal third of root fracture by interdisciplinary approach : A case report		Indian Journal of Public Health research & development 2018 9(2) 126-128				
Evaluation of the setting time,sealing ability and flow of Zinc Oxide Eugenol based and Epoxy resin based endodontic sealers with and without the		Research Journal of Pharmaceutical, Biological and Chemical Sciences. 2018; 9(2):836-	2018			

addition of triple Antibiotic powder		842.				
Importance of Pre-Prosthetic evaluation of endodontically treated tooth : A case report		Acta Scientific dental Sciences 2018 2(4) 78-80	2018			
Diastemata Correction in the Aesthetic Zone by Ceramic Veneers		scientific Archives of Dental Sciences				
Comparative evaluation of second mesiobuccal canal detection in maxillary first molars using magnification and illumination	Dr.karthik Shetty	Saudi Endodontic Journal, 2017: 7(3): 166-168.		1		
Concept of minimal invasive indirect veneers	Dr.Manuel Thomas	New York State Dental Journal. 2017; 83(3):32-36		7		
Dental Erosion Caused by Carbonated Sports Drinks: A Review.		Indian Journal of Public Health Research & Development . 2017; 8(2): 193-196.				
Effect of storage temperature and heating on the concentration of available chlorine		Saudi Endod J 2017;7(3):16 1-5.				

and pH of 2.5% sodium hypochlorite.						
Effect of various dentin disinfection protocols on the bond strength of resin modified glass ionomer restorative material.		J Clin Exp Dent. 2017;9(7):e837-41.				
Evaluation of the Setting Time, Sealing Ability and Flow of Zinc Oxide Eugenol Based and Epoxy Resin Based Endodontic Sealers with and without the Addition of Triple Antibiotic Powder.		Research Journal of Pharmaceutical, Biological and Chemical Sciences. 2018; 9(2):836-842.				
Quit Tobacco: Are We Prepared?	Dr.Lakshmi mallya	Indian Journal of Public Health Research & Development , April-June 2017, Vol. 8, No. 2	2017	1		
	Dr.Vinod Jattanna			1		
Current Developments In Transport Media For Avulsed Teeth: An Update	Dr.Shreya Hegde	Asian J Pharm Clin Res. 2017;10(2),1-4.		1		
Assessment of the Level of		Indian Journal of				

Knowledge and Awareness of Dental Health Care Workers about Hand Hygiene-A Questionnaire based Study.		Public Health Research & Development . 2017;8(3):200-5.				
Effect of finishing/polishing techniques and time on surface roughness of esthetic restorative materials.		Dent Res J 2017;14:326-30.				
Maxillary First Molar with Two Palatal Canals: A Rare Case Report.	Dr.Roma M	Indian Journal of Public Health Research & Development , January-March 2018, Vol. 9, No. 1, 177-180.		-		
Clinical significance of haller cells: A cone beam computed tomography study	Dr.Junaid Ahmed	World J of Dentistry Volume 9, Issue 3, May-June 2018, Pages 225-230	2018	6		
Impacted third molars and its propensity to stimulate external root resorption in second molars: Comparison of orthopantomogram and cone beam computed tomography.		World Journal of Dentistry Volume 8, Issue 4, July-August 2017, Pages 281-287				



Incidence of Opportunistic Infections among HIV-Positive Adults on Highly Active Antiretroviral Therapy in a Teaching Hospital, India: Prospective Study	Dr.Nandita Shenoy	Journal of the International Association of Providers of AIDS. Volume 16, Issue 3, 1 May 2017, Pages 309-311		6		
Tobacco Cessation Scenarios Among Healthcare Profession Students: A Multidisciplinary Study	Dr.Almas Binnal	Asian Pacific journal of cancer prevention: APJCP 19 (4), 1081-1088		4		
Sublingual varices due to hypertension; is it a possibility?		Le travail humain				
Frontal sinus as an aid in Gender Identification in Forensic Dentistry: a Retrospective Study using Cone Beam Computed Tomography.		World J Dent 2018; 9: 34-37.				
General Dental Practitioners as Potential Responders to Disaster Scenario in a Highly Disaster-prone Area: An Explorative Study.		The journal of contemporary dental practice 18 (12), 1144-1152				
Assessment of Genotoxic	Dr.Ceena	Transylvania n Review:		4		

Effects of Various Forms of Smokeless Tobacco Using Micronuclei Assay	Denny	Vol XXVI, No. 25, February 2018.				
Non-invasive in vivo screening of oral malignancy using laser-induced fluorescence based system	Dr.Ravikiran	Sovremennyye Tehnologii v Medicine		9		
Bilateral radicular dens invaginatus in mandibular first premolars-report of two rare cases		Journal of Clinical and Diagnostic Research				
Perio-Ortho Interactions-A Review	Dr.Deepa Kamath	Journal of Pharmaceutical sciences & Research, 10(5), 1053 – 1056, May 2018	2018	2		
When Cogs and Gears Fail- Role of Genetics in Periodontal Disease	Sangeeta Nayak	Journal of Pharmaceutical Sciences & Research, 9(10), 2101 – 2105, 2017	2017	2		
Oral Health and Erectile Dysfunction		Journal of Human Reproductive Sciences, Vol 10 issue 3, 162 – 166. July – Sep 2017				

Diabetes and Periodontitis – Role in Cognitive Impairment	Dr.Dilip Naik Dr.Ashita Uppoor	Dental Hypotheses, Vol 9 Issue 1, 20-24, Mar 2018	2018	6 5		
	Dr.Neetha Shetty			3		
	Dr.Swati			1		
Recurrent peripheral ossifying fibroma: Case report	Dr.David K	Dental & Medical Problems, 55(1) 83–86 May 2018		-		
Evaluation of pit-and-fissure sealants placed with four different bonding protocols: a randomized clinical trial.	Dr.Suprabha	International Journal of Paediatric Dentistry 2017; 27: 444–453.	2017	7		
Readiness and Utilization of Computer-Assisted Learning among Dental Students and Faculty		Dental Hypotheses 2017; 8:87-93	2017			
Association of level of education and utilization of restorative dental care among rural women in India: Cross-sectional study.		Indian Journal of Dental Research 2017; 28:642-5.	2017			
Can exposure to acidic beverages following the application of fluoride varnish		Journal of Orofacial Sciences 2017; 9:91-4.				

cause changes in the amount of fluoride release? an in vitro study.						
Remineralizing Effectiveness of Calcium Sucrose Phosphate and Fluoride Dentifrices: An In vitro Study.		Contemp Clin Dent 2018;9:276-82.				
Knowledge, attitude, and behavior of nurses toward delivery of Primary Oral Health Care in Dakshina Kannada, India		J Indian Soc Pedod Prev Dent 2018;36:21-5.				
Association of Maternal and Child Dental Anxiety With Dental Caries Experience and Dental Attendance Pattern of the Child.		J Orofac Sci 2018;10:75-9.	2018			
Management of dental avulsion in a child with severe intellectual disability: Case report	Dr.Arathi Rao	Dent. Med. Probl,54(2),2017, 213-216	2017	11		
Sectional fixed appliance Therapy in the mixed dentition	Dr.Arathi Rao Dr.Ashwin Rao	Dental update,44,2017, 1083-1088	2017	2		
Evaluation of a modified two stage technique:	DrKaruna Y M	Dent Hypotheses 2017; 8: 34-	2017	1		

A preliminary investigation.		8.				
Image Distortion of the Roots of Maxillary Deciduous Molars on IOPA's Recorded with Bisecting Angle or a Modified Paralleling Technique.		Biomed Pharmacol J 2018;11(2).1039-1042.	2018			
Evaluation of Effectiveness of Home Remedies for Toothbrush Decontamination using Vinegar and Vinegar with Common Salt.		World J Dent 2018; 9 : 19-23.	2018			
Evaluation of Plaque pH changes following consumption of health drinks by children- A pilot study	Dr.Anupama Nayak	J Clin Diagn Res 2017; 11(5):ZC05-ZC08	2017	1		
Cavity disinfectants in restorative dentistry-journey to date		Int J of Clin Dent 2018; 11(1):67-77.	2018			
Influence of Oral Health Literacy on the Oral Health Status of School Teachers in Mangalore, India	Dr.ashwini Rao	Journal of Indian Association of Public Health Dentistry. 2018 Apr 1;16(2):127.	2018	7		
Challenges in Learning	Dr.Rajesh G	Journal of clinical and	2017	8		

Preclinical Prosthodontics: A Survey of Perceptions of Dental Undergraduates and Teaching Faculty at an Indian Dental School.		diagnostic research: JCDR. 2017 Aug;11(8):Z C01.				
Knowledge, perceived need for education, and willingness to participate in bioterrorism preparedness among students in an indian dental institute: A questionnaire study.		Medical Journal of Dr. DY Patil University. 2017 Nov 1;10(6):526.	2017			
	Dr. Ramya Shenoy			9		
Effect of lactobacillus acidophilus and streptococcus salivarius on growth of periodontal pathogens – an in-vitro study.	Dr.Mithun Pai	International Journal of Advanced Research 2018;6(5):60 7-612		4		

**3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :**

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	4	8 workshops 22 seminars	4	11 workshops 112 seminar
Presented papers	4	21	4	
Resource Persons	1	3	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/	Number of teachers co-ordinated such activities	Number of students participated in such activities
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	collaborating agency		
Oral Hygiene day	Dept. of periodontics	08	100
School health program	Department of Pedodontics and Preventive Dentistry	84	
Outreach camps	Department of Public Health Dentistry	402	37819

**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
-	-	-	-

**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 coordinated such activities	Number of students participated in such activities
6 students completed their AIESEC Leadership Development Experience through a Global Volunteer opportunity tackling the Sustainable Development				6
Swachh Bharat	Student council of MCODES, Mangalore with VSO, MAHE	Summer internship		7

**3.5 Collaborations**

**3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year**

Nature of Activity	Participant	Source of financial support	Duration
Exchange Agreement entered into between MAHE and the University of Portsmouth Higher Education corporation UK			
Certificate course of Geriatric and special needs dentistry at College of Dentistry, University of Iowa, USA.	Dr.Ramya Shenoy	Kimberly S. Swanson Geriatric and Special Needs Graduate Program Fund in the amount of \$2,532.00	17.07.2017 to 16.07.2018
University of Iowa, USA.	Dr Nikita Rungta	-	19 March 2018 to 24 May, 2018

0th National Dental Student Scientific Conference and observer ship program Faculty of Dentistry, Melaka – Manipal Medical college, Melaka	Mr Ranjan Bhat Ms Suprathima Shenoy Aastha Todi Juhi Aswani. Archana M	-	4th to 5th May, 2018 (conf) 7th to 16th May, 2018(Observ)
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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
MARA	19.11.2017	Exchange of students, staff and information pertaining to academic and research Organization of academic activities – symposia, conference, etc.	2-04-2018-10-04-2018	06

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
MARA	19.11.2017	Exchange of students, staff and information pertaining to academic and research Organization of academic activities – symposia, conference, etc.	06
Iowa	02 <sup>nd</sup> December, 2015 01 <sup>st</sup> December, 2018	General agreement for Academic Cooperation	1 (Nikita Rungta 19 March 2018 to 24 May, 2018)
University of Portsmouth	1st August 2017	Specific agreement for Exchange of academic & scientific materials, faculty and/or staff, students etc.,	-

**CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES**

**4.1 Physical Facilities**

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development

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.	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-
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		Total	
	No.	Value	No.	Value	No.	Value
Text Books	23	19369.00		2,23,134.00	93	2,42,503.00
Reference Books	06					
e-Books	55		55			
Journals	73	60,27,050.00	63	37,93,572.00	Nil	37,93,572.00
e-Journals	257		257	30,58,690.00	Nil	30,58,690.00
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/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
-	-	-	-

#### 4.4 Maintenance of Campus Infrastructure

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

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) <http://manipal.edu/mcods-mangalore.html>

- All the infrastructural facilities are sustained as per the laid down policy of MAHE. Most of

Guidelines of IQAC and submission of AQAR for Affiliated/Constituent Colleges.

- The equipment's Preventive and breakdown maintenance of equipment is outsourced to TBS Pvt

Ltd. Similarly, maintenance of physical infrastructural facilities are outsourced to MIS Pvt Ltd.

- Computers, network and similar electronic related facilities are outsourced to KPTI technologies Ltd.
- The need for upgradation, replacement or repair of the existing facilities will first be proposed in the yearly budget for approval. Up on approval necessary procedures will be completed.

#### 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 /means	4	483000
	Konkani	22	1648583
	SAGE	4	1902800
	BDS	2	5008173
	Staff child/spouse scholarship	2	1,22800
Financial support from other sources			
a) National	Merit-cum-means scholarship for professional and technical	-	-

	courses				
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
-		-	-		-
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		
-		-	-		
5.2 Student Progression					
5.2.1 Details of campus placement during the year					
On campus			Off Campus		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
-	-	-	-	-	-
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
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	
NET		-		-	
SET		-		-	

SLET	-	-
GATE	-	-
GMAT	-	-
CAT	-	-
GRE	-	-
TOFEL	-	-
Civil Services	-	-
State Government Services	-	-
Any Other NEET	46	-

**5.2.4 Sports and cultural activities / competitions organised at the institution level during the year**

Activity
<ul style="list-style-type: none"> <li>National Unity day was celebrated on 2 Nov 2017 to commemorate the birth anniversary of Sardar Vallabahi Patel</li> <li>MCOBS, Mangalore won the second prize in Mad Adds competition held at 25th edition of Brands can, Annual Marketing Research Fair conducted by TAPMI, Manipal 12\11\17</li> <li>The Patient care committee of MCOBS, Mangalore organized a dental exhibition “Dentofest” for 5days from 24- 28 Jan 2018.</li> </ul>

**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

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

The student council containing of student representatives from every batch is actively involved in organizing different curricular and co-curricular activities throughout the year. Besides, the members of the student council actively participate in management review meetings, internal quality assurance meetings, and BOS meetings and provide valuable feedback on various aspects of academic and co-curricular activities of the college. They are also part of student research forum that acts as a bridge and facilitates the research orientation of students at undergraduate level. They help the college administration in planning and organizing various cultural and sports activities.

**5.3 Alumni Engagement**

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

**5.3.2 No. of-enrolled Alumni: 1099 out of 3254**

**5.3.3 Alumni contribution during the year (in Rupees) : 50000**

5.3.4 Meetings/activities organized by Alumni Association : 2
<b>CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT</b>
<b>6.1 Institutional Vision and Leadership</b>
<b>Vision statement:</b> “To be leaders in Oral health care in national and international level”
<b>Mission statement:</b> “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)
<ul style="list-style-type: none"> <li>• The administrative work of the institution has been decentralized with Dean leading the administration.</li> <li>• 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.</li> </ul>
6.1.2 Does the institution have a Management Information System (MIS)? Yes/No/Partial: YES 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 August. 2019): 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 National & International Journals

No. of Journals Subscribed for the year 2019: 219 Journals	National	International	Total
Medical	69	85	154

Budget for the year 2017 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
Dental	9	56
		65

Total Medical 67 65 132 Dental 17 56 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

**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 Student:

Admission is through NEET

6.2.2 : Implementation of e-governance in areas of operations:

❖ Planning and Development

❖ Administration ;The faculty leave management, college email, etc are being used

❖ Finance and Accounts The college uses e-portal for all activities related to finance and accounts such as indenting of materials, etc

❖ Student Admission and Support SIS –student information system is used to communicate all student activities

❖ Examination : using E pad /paper less system is used to conduct sessional and university examinations

**6.3 Faculty Empowerment Strategies**

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
2017	Dr. Srikant N	Conference at Bangalore from 9th - 11th September 2017		17435
2017	Dr. Arathi Rao	Conference at Chennai from 13th to 16th Sept. 2017		36370
2017	Dr. Manuel S.Thomas	Conference at Davangere - 15th to 17th Dec.2017		14287
	Dr.Nanditha R.Sujir - Fees for Fellowship Programme	FAIMER		50000
2017	Dr. Ashwin Rao	Conference at Chennai from 13th to 16th sept.2017		22662
2017	Dr. Karen Boaz -	International Conference at Madrid., Spain from 29th Aug		50000

		to 1st Sept. 2017	
2017	Dr. Prashanthi S.M	International Conference at Madrid., Spain from 29th Aug to 1st Sept,17	50000
2017	Dr.Ceena Denny	Conference at Bangalore from 9th to 11th Sept. 2017	17556
2017	Dr. Nandita Shenoy	Conference at Bangalore from 9th to 11th Sept. 2017	14894
2017	Dr. Suprabha B.S.	Conference at Chennai from 13th to 16th sept.2017	42756
2017	Dr. Ashwini Rao	Conference at Delhi from 30th Sept to 2nd Oct.2017	41694
2017	Dr. Ashwini Rao	Certificate course in Manipal	8000
2017	Dr. Swathi -	International Conference at Spain from 18th to 21st Oct.2017	50000
2017	Dr. Mithun Pai -	Conference at Dhule., Maharastra - 3rd to 5th Nov.2017	27056
2017	Dr. Rajesh G	Conference at Dhule., Maharastra - 3rd to 5th Nov.2017	34068
2017	Dr. Mohan Baliga -	Conference at Nagpur - 16th to 18th November 2017	40615
2017	Dr.Anand	Conference at Nagpur - 16th to 18th November 2017	47739
2017	Dr. Karthik Shetty	- Conference at Gandhi Nagar, Ahmedabad - 23rd to 26th Nov. 2017	50000
2017	Dr.Kundabala	Conference at Gandhi Nagar, Ahmedabad - 23rd to 26th Nov. 2017	50000
2017	Dr.Neeta Shetty	Conference at Gandhi Nagar, Ahmedabad - 23rd to 26th Nov. 2017	50000
2017	Dr. Sangeeta U.Nayak	Conference at Kolkata, 24th to 26th Nov.2017	23715
2017	Dr. Amitha J. Lewis -	Conference at Bhubaneshwara - 16th to 18th Nov. 2017	40784
2017	Dr. Almas Binnal	Conference at Ghaziabad., - 1st to 3rd Dec.2017	48067
2017	Dr. David	- Conference at Davangere - 15th to 17th Dec.2017	14337
2017	Dr.Roma	- Conference at Davangere - 15th to 17th Dec.2017	18702
2017	Dr.Lakshmish	- Conference at Davangere - 15th to 17th Dec.2017	19185
2017	Dr. Anupama Nayak	- Conference at Davangere - 15th to 17th Dec.2017	14179
2017	Dr.Karuna	- Conference at Davangere - 15th to 17th Dec.2017	13679
2018	Dr.Dilip Naik -	Conference at Mumbai - 16th to 18th Feb.2018	16068
2018	Dr. Asavari Desai -	Conference at Dubai - 6th to 8th Feb.2018.	50000



2018	Dr. Ravikiran Ongole -	Conference at Guwahati, Assam - 18th to 21st Jan.2018		50000
2018	Dr.Joanna	Conference at Guwahati, Assam - 18th to 21st Jan.2018		48290
2018	Dr. Ashitha S.Uppoor	Conference at Mumbai - 16th to 18th Feb.2018		48307
2018	Dr.Ramya	Certificate course at University of IOWA, USA		50000

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 development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
		<b>2(1 prosthodontic technicians on 18/1/18)</b> <b>1- Non-teaching staff</b>	18/01/18		95+18
	“Systematic review and Meta-analysis “.		29.11.17		27
	Six day Hands on workshop on Tweed Merrifield Edgewise Mechanics		10.07.17 to 15.07.17		35
	<b>Workshop –Newer Materials for better dentistry</b>		13.07.17		13
	Oral Hygiene day-lectures		02.08.2017		
	Evidens- Workshop on Research Methodology, Epidemiology, Biostatistics and Ethics		08.08.17&09.08.17		75
	Eye for implantology: beginners workshop		10.08.17		67
	Pedoapp-CDE		11.09.17		85
	Curriculum workshop		19.09.17		
	Grasp-6 month research training program		23.09.17		20
	CDE- Restro Endo and certificate awarding ceremony Restorative course		03.10.17		35
	Max-Facts 2017- Pediatric Maxillofacial Surgery-CPD		14.10.17		143
	“Pathway to Success” CDE		15.10.17		81
	Making research writing and publication your cup of tea		11.11.17		93
	A comprehensive hands on workshop on dentoalveolar surgery		26.11.17 3 <sup>rd</sup> & 17 <sup>th</sup> Dec 2017 07.01.18		59

Demo on Simulators in Dentistry.		06.12.2017		59
International symposium on Dentistry “Dentistry: Now and Beyond”		28.12.2017		50
Hands on Workshop on Cephalometrics & Treatment Planning for Orthognathic surgery		08 January 2018		13
Action in distress (An aid to enhance your medical emergency skills)				60
Patient care com. Organized poster and Table clinic competition for		24.01.2018		<b>136</b>
Dental Exhibition- DentoFest		25 <sup>th</sup> to 28 <sup>th</sup> January, 2018		1319
Painting competition		27.01.2018		113
Business in private dental practice		2.2.2018 and 3.2.2018		
Restro Endo 5		05.02.2018		41
Patient management in private dental practice		19.02.2018		
iTOP program		20.02.2018		42
Talk on innovation		24.02.2018		65
Workshop on systematic review and Meta-analysis		09.02.18		09
The Finishing Touches ..... To Internship -workshop		3.3.2018		60
CDE-New Era of "Alkasites" – An alternative of Amalgam		14.03.2018		48
CONSO – DAY 2018		16.03. 2018		
INTERNATIONAL SYMPOSIUM ON MODERN MANAGEMENT OF DENTAL CARIES		3-4 April, 2018		102
HANDS-ON TRAINING IN DAMON TECHNIQUE” Module -1		11 & 12-04-2018		21
Dental Clinic design		14.04.18		

Two Days Workshop on Photodontics”		23 & 24, -04-2018		34
Surgical skill lab		08.05.18		
Patho-logue-CPD		18.05 2018		133
Interdisciplinary collaborative research program		25.05.18		38
Ethics in Private dental Practice		29.05.18		
World No Tobacco day		30.05.18		
Workshop on Motivational Interviewing as a part of World No Tobacco Day 2018 on		1st and 2nd June, 2018.		25
CPD on Guided Tissue Regeneration		7-06, 2018.		64
Clinical practice management		13.06.2018		113
Annual Day and seminar		22.06.18		48
Systematic Review CDE report		29.06.18		23

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Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
Bioethics certificate course	3	5-7 <sup>th</sup> October 2017
Post Graduate Certificate Course in Advanced Oral Implantology	1	September 2017
Invisalign Training Course	1(Dr.Shravan)	
Bioethics Certificate Course and 3 month certificate course on “Evidence Synthesis: Systematic Reviews and Meta- Analysis”, ”, conducted by Public Health Evidence South Asia (PHESA), PSPH, MAHE, Manipal	1	March-May 2018
Certificate course on Evidence Synthesis: Systematic Review and Meta –analysis” conducted by public Health Evidence South Asia (PHESA), Prasanna School of Public Health, Manipal Academy of Higher Education, Manipal	1	March-June 2018

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):			
Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
77	77	89	89 (MAHE)

		04 (MaGE) 43 (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		
<b>6.4 Financial Management and Resource Mobilization</b>				
6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each) The institution is certified by ISO 9001:2015, 14001:2015, and 50001:2011 under the aegis of Guidelines of IQAC and submission of AQAR for Affiliated/Constituent Colleges Manipal Academy of Higher Education, and the internal audits are conducted at six months' intervals to assess the quality of services delivered. Any deviations or shortcomings are discussed in the management review meeting, and IQAC meetings and necessary preventive measures are implemented. The financial audit is conducted once a year.				
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)				
1. Participation in college activities 2. Feedback for improvement in T-L and student support 3. Representation 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 /No)				
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
2017	IQAC Meeting with external members	11Feb	10.00am 12.00pm	24
2018	IQAC Meeting with external members	30 Jan	10.00am 12.00pm	24

<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				Female		Male
Anti-sexual harassment policy is in place		-		-		-
-		-		-		-
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			No		-	
Rest Rooms			Yes		-	
Scribes for examination			Yes		-	
Special skill development for differently abled students			Yes		-	
Any other similar facility			No		-	
7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of	Number of	Date and	Name of the	Issues	Number of

	initiatives to address locational advantages and disadvantages	initiatives taken to engage with and contribute to local community	duration of the initiative	initiative	addressed	participating students and staff
----	-----	-----	-----	-----	-----	-----
<b>7.1.6 Activities conducted for promotion of universal Values and Ethics</b>						
Activity			Duration (from July 2017 to June 2018)			
Independence day			15 August			
Rashtriya Ekta Divas			31 October			
Republic day			26 January			
<b>7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)</b>						
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> <li>• No smoking zone</li> </ul>						
<b>7.2 Best Practices</b>						
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						
<ul style="list-style-type: none"> <li>• Indigenous Patient Management System (PMS) and Orthodontic Patient Management System (OPMS)</li> <li>• Online student and staff feedback</li> <li>• Smart Identity Card for students and staff</li> <li>• Teacher Guardian Mentorship</li> <li>• Rural Satellite Clinic and Mobile clinic: To cater needy and poor rural patients</li> <li>• Management Information System: Online Student Information System (SIS – to record sessional marks and attendance). Purchase and Inventory, Financial Accounting System, Employees Self Service.</li> <li>• Outcome Based Curriculum</li> <li>• Objective Structured Practical/Clinical Examination</li> <li>• Institution is ISO 9001:2015, 14001:2015 &amp; 50001:2011 certified – The Energy, Environmental and Bio Waste Management aspects are taken care as per the guidelines of certifying body.</li> </ul>						
<b>7.3 Institutional Distinctiveness</b>						
Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust Provide the web link of the institution in not more than 500 words						

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

- Improve on existing infrastructure
- Collaborative multi centric research

Name \_\_\_\_\_*Dr Ravindra Kotian*

Name \_\_\_\_\_*Dr Dilip G. Naik*

\_\_\_\_\_ *sd* \_\_\_\_\_

*Signature of the Coordinator, IQAC*

\_\_\_\_\_ *sd* \_\_\_\_\_

*Signature of the Chairperson, IQAC*

\_\_\_\_\_ **\*\*\*** \_\_\_\_\_

**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**

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