

**JSS DENTAL COLLEGE AND HOSPITAL**  
**(Constituent College)**  
**Jagadguru Sri Shivarathreeshwara University**  
**(Deemed to be University)**  
**Accredited “A” Grade by NAAC**  
**JSS Medical Institutions Campus, Sri Shivarathreeshwara Nagar**  
**Mysuru - 570 015, Karnataka, India**

<b>Title</b>	<b>Certificate program in clinical endodontics</b>
<b>Institution</b>	<b>JSS Dental College &amp; Hospital, Mysuru</b>
<b>Aims</b>	<ul style="list-style-type: none"> <li>To introduce a Certificate Program that empowers the dental graduates in basic and advanced endodontic skills</li> </ul>
<b>Program Objectives</b>	<p>After attending this program the attendee should be able to</p> <ul style="list-style-type: none"> <li>Recognize pulpal and periradicular conditions which require endodontic treatment</li> <li>Knowledge to prevent endodontic disease</li> <li>Deployment of contemporary intracanal disinfection techniques</li> <li>Diagnostic skills to identify when retreatment and/or surgical intervention is required and to determine the most appropriate approach</li> <li>The confidence to devise logical treatment plans for patients requiring endodontic therapy</li> </ul>
<b>Eligibility</b>	<ul style="list-style-type: none"> <li>Recent graduates</li> <li>For candidates with limited or no clinical endodontics</li> <li>Dentists who have taken a break from practice.</li> <li>Candidates seeking to gain thorough knowledge in endodontic therapy</li> <li>Candidates seeking to perfect their endodontics</li> </ul>
<b>Duration</b>	3 modules
<b>Attendance</b>	Should attend the full course of Lecture, demonstrations.
<b>Selection of Candidates</b>	Maximum intake may be restricted to either 15-20 on first come first serve basis to attract and provide opportunities for interested students
<b>Syllabus</b>	<b>Annexure -1</b>
<b>Curriculum</b>	<b>Annexure – 2</b>
<b>Faculty</b>	<ul style="list-style-type: none"> <li>Staff from Department of conservative dentistry and endodontics ,JSS dental college JSS University, Mysuru</li> </ul>
<b>Room and Equipment</b>	<ul style="list-style-type: none"> <li>One class room with LCD and OHP or Smart class, JSSDCH</li> <li>Libraries under JSS University</li> <li>Dental clinics</li> <li>Preclinical lab</li> <li>Areotor, micromotor handpice and Endomotor</li> <li>Apex locator, Burs and rubber dam kit</li> <li>Endodontic microscope</li> <li>X-ray films ,machines or RVG</li> </ul>

<b>Equipement by students</b>	<ul style="list-style-type: none"> <li>• Areotor</li> </ul>
<b>Examination pattern</b>	Two online or written examinations (MCQ based) 50 marks each before issuing certificates
<b>Program fee (Tentatively )</b>	Students of jss --- INR 20,000 Candidates from outside ----INR 45000 Candidates from abroad -----usd...to be decided
<b>Estimated fee collection</b>	Rs 4,50,000/-[ for 10 students]
<b>Estimated expenditure</b>	Rs 1,50,000/-

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**Annexure 1: Syllabus**

**“Certificate program in comprehensive endodontic course in clinical endodontics”**

- Microbiological basis of endodontic disease
- Complexity of the pulp space in the permanent dentition
- Endodontic case selection
- Endodontic armamentarium
- Endodontic access cavity
- Determination of working length
- Techniques for negotiating and preparation of mild and moderately curved canals
- Cleaning and shaping
- Intracanal disinfection
- Rationale and methods of obturating root canal systems
- Single and multiple visit therapy and temporization
- Endodontic microscope

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**Annexure – 2: curriculum**

Module 1:

	Session 1	Session 2
Day 1	<ul style="list-style-type: none"> <li>• Introduction to Microbiological basis of endodontic disease</li> <li>• Principles of managing a vital pulp</li> <li>• Complexity of the pulp space in the permanent dentition</li> <li>• Endodontic armaneturim</li> <li>• Endodontic access cavity</li> </ul>	Demonstration & preparation of endodontic access cavity on extracted tooth
Day 2	Hands on course on advanced endodontics. By <b>DENTSPLY</b>	

Module 2

	Session 1	Session 2
Day 1	<ul style="list-style-type: none"> <li>• Techniques for negotiating and preparation of mild and moderately curved canals</li> <li>• Determination of the working length</li> <li>• Cleaning and shaping</li> </ul>	working length determination using apex locator
Day 2	Hands on course on advanced endodontics. By <b>FKG</b>	

### Module 3:

	Session 1	Session 2
Day 1	<ul style="list-style-type: none"><li>• Intracanal disinfection</li><li>• Rationale and methods of obturating root canal systems</li><li>• Single and multiple visit therapy and temporization</li><li>• Endodontic microscope .</li></ul>	Demonstration on endodontic microscope
Day 2	Hands on course on advanced endodontics. By <b>MICRO-MEGA</b>	

\* Benefits Of Having A Tie Up With The Companies:

1. They provide us the starter kit along with other clinical materials.
2. Students will be benefited to listen and learn from renowned speakers
3. Our students will be exposed to 3 different rotary systems in the course
4. Companies will get their own endo motors during hands on
5. Students will also get exposed to different endo motors
6. Students will also be updated with new materials and techniques
7. 80% of the consumables will be provided by the companies

\* We can also plan for clinical exposure to the students

### MODULE 4 :

	Session 1 & session 2
Day 1	Clinics
Day 2	Clinics

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**Annexure 2: Curriculum (Distribution of theory and practical classes)**

**“Certificate program in clinical endodontics ”**

**hours**

SI No	Topic	No of hours (theory)	No of (practical )	Remarks
1	• Microbiological basis of endodontic disease	2		
2	• Complexity of the pulp space in the permanent dentition	2		
3	• Endodontic case selection	2		
4	• Endodontic armamentarium	2	1	
5	• Endodontic access cavity	2	2	
6	• Determination of working length	2	2	
7	• Techniques for negotiating and preparation of mild and moderately curved canals	2	2	
8	• Cleaning and shaping	2	2	
9	• Intracanal disinfection	1		
10	• Rationale and methods of obturating root canal systems	2	2	
11	• Single and multiple visit therapy and temporization	2		
12	• Endodontic microscope	2	2	

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**Annexure 4: Plan to execute**

**“Certificate program in clinical Endodontics ”**

**Modules :** last week of every month for 2 days . The number of hours depends on total hours required to complete syllabus.

**Clinical hours :**two to four hours between 2 to 4 PM on the first day of every module.

**Monitoring and Evaluation:** one to one teaching and training

**Evaluation:.** MCQ based exam for 50 marks preferably online.

**Certificate:** with JSS University Logo signed by Heads of JSSDCH.

**Fee:** Tentatively planned to fix at INR 20,000 per candidate exclusively for jss students and this could be revised later INR.45,000 for outsiders and foreign students USD.....to be decided

**Remuneration for staff concerned: .....**