



## **REPORT OF DENTAL LAB VISIT-DENTECH DENTAL LAB**

Date: 12/06/21

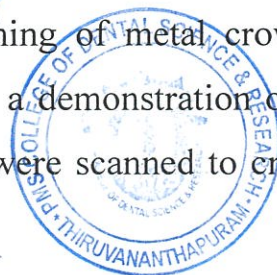
Time: 9.30AM 3.00PM

Faculty in charge: Dr Deepan Kumar C.V

Interns from PMS College of Dental Science and Research visited Dentech dental lab, Uzhamalakkal on 12/06/21. The purpose of the visit was to familiarise students with lab procedures involved in fabricating of crowns and cast posts and metal copings for ceramic crowns, casting, ceramic build up and also CAD-CAM aided manufacturing of crowns.

Being undergraduate students, they had learned various lab procedures involved in fabrication of crowns and other procedures, our experience in lab procedures were limited to fabrication of complete dentures and removable partial dentures. So, it was a wonderful experience for them to visit a dental ceramic lab to see and learn about lab equipment and procedures.

At first, the students were given a brief lecture on fabrication of ceramic crowns, the procedures that they do once lab receives a cast/impression from a clinic. They were explained about preparation of die, wax up, investment of the wax up and fabrication of metal coping, ceramic build up. After the lecture they were given a detailed tour of the lab. They also had demonstrations on wax up and investment, finishing and polishing of metal crowns, ceramic build up. Students also had opportunity attend a demonstration of fabrication of crowns using CAD-CAM. The impressions were scanned to create a digital replica of



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the cast, and the crown was designed digitally and fabricated using CAD-CAM milling machine.

The field visit to a dental lab really helped the students to understand and learn many techniques and procedures they had only read in textbooks.



  
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15.06.2021

This is to certify that the following interns of PMS College of Dental Science and Research visited Dentech Dental Lab on 12.06.2021.

1. Asila
2. Fazna Fazaluddin
3. Gayathri A.S
4. Malavika M.S
5. Mariyam Ayub
6. Merlin K Lalu
7. Sachin O.S
8. Sonu Raju
9. Veena
- 10.Devika
- 11.Jeena A.J

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## **REPORT OF DENTAL LAB VISIT-Phoenix Dental Lab**

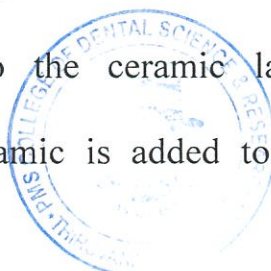
Date: 16/11/21

Faculty in charge: Dr Deepan Kumar C.V

Interns from PMS College of Dental Science and Research visited Dentech dental lab, Uzhamalakkal on 12/06/21. The purpose of the visit was to familiarise students with lab procedures involved in fabricating of crowns and cast posts and metal copings for ceramic crowns, casting, ceramic build up and fabrication of acrylic dentures.

Upon reaching the lab they were given tour of the facility and experienced technicians explained various procedures and lab equipment used. Casts sent from various clinics were disinfected first and sent to different sections according the nature of lab work required.

A demonstration of acrylisation, finishing and polishing of complete dentures were given. After that the students were taken to fixed denture lab where they saw skilful technician making wax patterns for fabricating FPDs, followed by demonstration on how an investment is made and making of metal coping. Then they were taken to the ceramic lab, where they were given a demonstration on how ceramic is added to the finished metal coping and



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explained how different layers of ceramic like opaquer and dentin shade is given. Its was really wonderful to see how the ceramist made the perfect crown anatomy using different hand instruments.

It was really a great and informative experience to see the lab procedures, most of which the students only learn in theory classes. Watching these procedures from the lab helped them to understand these procedures and understanding it better. And they also had the opportunity to learn few tips to improve their acrylic work from the technicians.



  
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20.11.2021

This is to certify that the following interns of PMS College of Dental Science and Research had visited Phoenix Dental Laboratory, Kallettumkara on 16.11.2021 as a part of industry visit.

- |                    |                      |                   |
|--------------------|----------------------|-------------------|
| 1. Fathima Sameer  | 16. Alisha M.T       | 31. Nisha AC      |
| 2. Feby Abin Simon | 17. Aleesha Babu     | 32. Shaheen Iqbal |
| 3. Malavika Ajay   | 18. Arathy A.M       | 33. Shehina J.S   |
| 4. Neelima Sunil   | 19. Anjana Sreedevi  | 34. Soumya Kurien |
| 5. N. S Anusha     | 20. Archan Lekshmi   | 35. Sherin Sha    |
| 6. Fathima Maheen  | 21. Thaniya Krishna  | 36. Sreelekshmi   |
| 7. Anuroop A.S     | 22. Aneesa Ali Akbar | Chandran          |
| 8. Shiny S         | 23. Ananthu S        | 37. Thanseela N.S |
| 9. Sujin G Raju    | 24. Abhina ss        | 38. Amrutha S     |
| 10. Rupa Krishnan  | 25. Asha b Thomas    | 39. Noorah        |
| 11. Ashik J Thaha  | 26. Basith smad      | 40. Ousu Baby     |
| 12. Aswathy S.R    | 27. Devika Sr        | 41. Sangeeth Jose |
| 13. Shibin Rasheed | 28. Kshema Rehman    | 42. Anjali G.S    |
| 14. Shamla Annena  | 29. Megha Mariyam    |                   |
| Alex               | varghese             |                   |
| 15. Araya Sajimon  | 30. Nida Anirudh     |                   |

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## **REPORT OF DENTAL LAB VISIT-DENTECH DENTAL LAB**

Date: 11.09.2021

Time: 9.30AM-3.00PM

Faculty in charge: Dr Mahesh M

Post Graduate students from the Dept of Pediatric Dentistry and Dept Prosthodontics, PMS College of Dental Science and Research visited Dentech dental lab, Uzhamalakkal on 11.09.2021.

The purpose of the visit was to learn and understand lab procedures involved in fabricating of crowns and cast posts and metal copings for ceramic crowns, casting, ceramic build up and also recent advances like CAD-CAM aided manufacturing of crowns.

They were given a demonstration on wax up for fabricating metal crowns and metal coping for ceramic crowns. They were explained about preparation of die, wax up, investment of the wax up and fabrication of metal coping, ceramic



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build up. They also had the opportunity to learn investment techniques and also various equipment used for crown fabrication.

The students observed fabrication of Zirconia crown using CAD-CAM technique. The technician demonstrated how a cast is scanned and a digital image of the crown preparation is created and how the crown is designed using CAD-CAM. Once the design is ready, the crown is milled using a milling machine.

As Post graduate students they are required to learn various lab procedures involved in fabrication of ceramic crowns, cast posts etc. Visiting a lab helped them understand the procedures better and also, they were able to learn many tricks and tips to make their lab work easier and efficient.



  
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18.09.2021

This is to certify that the following postgraduate students from PMS College of Dental Science and Research visited Dentech Dental Lab on 11.09.2021 as a part of industry visit

1. Dr Ann Mary Thomas
2. Dr Deepthi S
3. Dr Mira Mohan
4. Dr Maneesha Remesan
5. Dr Remya
6. Dr Deepa
7. Dr Naveen G
8. Dr Pooja Prakash
9. Dr Rini Mujeeb
10. Dr Shinu Lal



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## **Report of Herbal Garden Visit to Jawaharlal Nehru Tropical Botanical Garden and Research Institute, Palode**

Date: 31/10/21

Time 8:30am - 1:00pm

Faculty in charge: Dr Sunitha Daniel, Dr Sandeep

Being coupled by the drive to absorb something new, UG students and post graduate students from PMS college of Dental science & Research visited Jawaharlal Nehru Tropical Botanical Garden and Research Institute, Palode a serene town in Thiruvananthapuram District on 31/10/21 under the guidance of Dr Sunitha Daniel lecturer in Dept of Public health dentistry and Dr Sandeep senior lecturer in Dept of Conservative dentistry & Endodontics.

Palode is one of the main areas of tourist attractions in Trivandrum, especially owing to the scenic presence of Western Ghats. The place is a home for variety of endangered and exotic plant species. The main purpose of the visit was to know more about the role of medicinal plants & their extracts in the field of dentistry. Our students were exposed to a large array of plants grown in separate groups with specific adjustments in moisture and sunlight.

Main attraction in that centre was the presence of various group of carnivorous plants like *Nepenthes distillatoria*, *Dionea Sp*, *Drosera sp* etc. They also demonstrated various ongoing researches based on these plant extracts where it has some beneficial effects on nerves which involved in pain sensation so it can be clinically applied for relieving pain in back, neck and other parts of body.



  
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Our students also came across with some plants from which phytochemicals can be extracted that pose anticariogenic properties like *Drosera peltata*, *Thuja plicata* etc. Plants with extracts are having anti-inflammatory properties like *Angelonia salicartifolia* and some perennial herbs are used commercially for manufacturing ayurvedic oral health care products.

The place was quite a wholesome to explore, enjoying the goodness of nature and the gorgeous chittar flowing sinuously through this landscape. The view was even more perfect with dazzling collections of orchids and various species of butterflies flying all around. Field visit to this botanical garden and research centre turned out to be very interesting and relaxing at the same time spiked with churns of new knowledge.



  
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**VISIT TO KCSTE- JAWAHARLAL NEHRU TROPICAL BOTANIC GARDEN AND RESEARCH INSTITUTE**



**MEDICINAL PLANTS AREA**



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30.10.2021

**To whomsoever it may concern**

This is to certify that the following interns, from PMS College of Dental Science and Research visited the Botanical garden at Palode on 30.10.2021.

- |                     |                |
|---------------------|----------------|
| 1. Arathi S         | 15. Vismaya    |
| 2. Anjali Maragaret | 16. Hissana    |
| 3. Akash A          | 17. Shweda     |
| 4. Sreenandan       | 18. Neenu      |
| 5. Nisha            | 19. Amrutha    |
| 6. Aneesha          | 20. Farhana    |
| 7. Dinah            | 21. Lilin      |
| 8. Joby             | 22. Mili Sarah |
| 9. Rushda           | 23. Asila      |
| 10. Bhagya          | 24. Nourin     |
| 11. Archana         | 25. Aiswarya   |
| 12. Alisha Najeeb   | 26. Niketta    |
| 13. Balu J          | 27. Ameena     |
| 14. Aryamol         |                |

**Staff Accompanying**

1. Dr. Sunitha Daniel
2. Dr. Sandeep Chandran



*[Signature]*  
30/10/2021

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## **REPORT OF ANIMAL HOUSE VISIT-SIC DIMIT**

Date: 1/11/21

Time: 11:00am -1:00pm

Faculty in charge: Dr Arunima.P.R

The post graduate and undergraduate students of PMS Dental College and Research Centre Vattappara, had visited the Division of in vivo Models and Testing at Sree Chithra Tirunal Institute for Medical Sciences and Technology under the guidance of Dr. Arunima P R, professor of Periodontics.

The purpose of the visit was to be aware of the animal research oriented procedures done at SIC-DIMIT, an age old research centre at Trivandrum, Kerala. We were shown experimental large and small animal facilities for clinical and research laboratories. The protocols for animal housing, breeding and experimentation were explained by Dr P. R Umashankar, Scientist SIC DIMIT. Small animals like mice, guinea pigs, Newzealand strain rabbits and large animal like sheep, goat and pigs for experimental studies were shown. Animals were contained in centralized rooms with temperature set at 26 degrees and humidity 40-60% and were housed in separate cages of stainless steel. There were different set ups like stock, breeding area, experimental area, quarantine area. All measures were taken to ensure clean and sterile environment. Senior management provided strong leadership and supported all the programmes.

Our students were able to assess the institutional compliance with the standards of public health service. The centre has a good physical and intellectual infrastructure and is supporting many upcoming fruitful research. The visit was truly a good experience.



  
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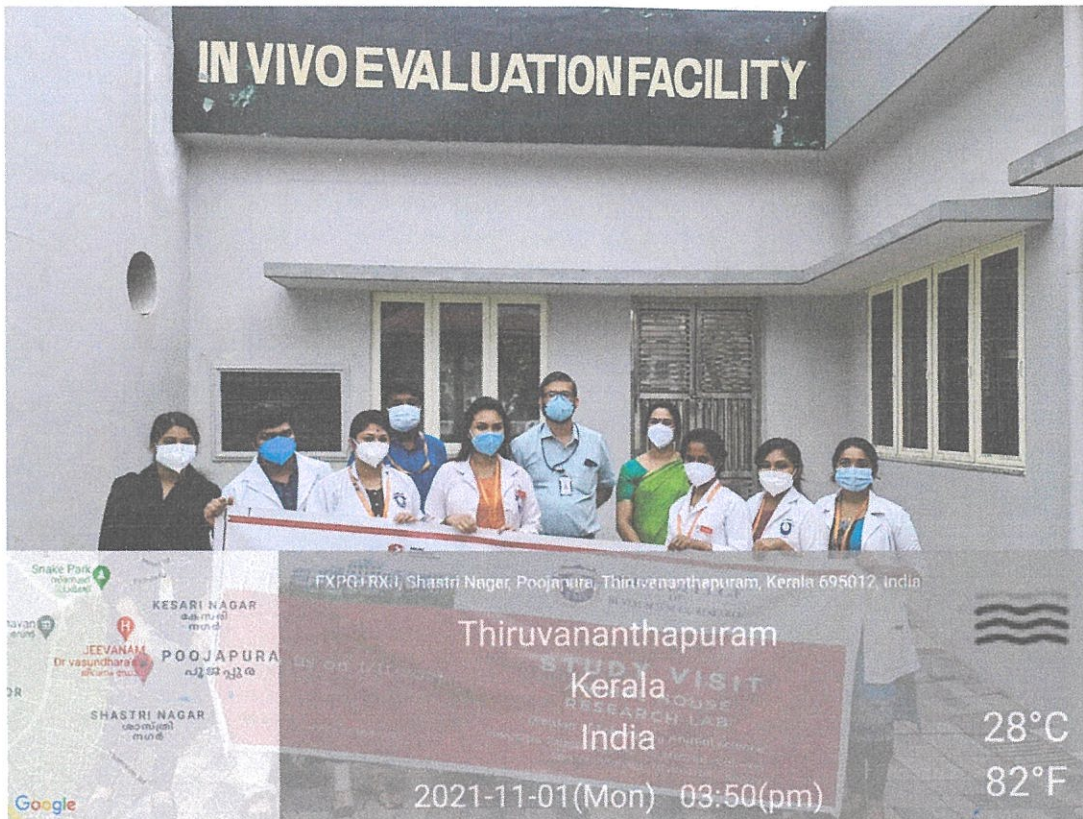




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INFRONT OF IN VIVO MODELS AND TESTING CENTRE



VISIT TO IN VIVO EVALUATION FACILITY



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01.11.2021

**To whomsoever it may concern**


This is to certify that the following post graduate students, from Dept of Periodontics of PMS College of Dental Science and Research visited Division of In vivo Models and Testing, Bio Medical Wing of Sree Chitra Tirunal Institute of Medical Sciences and Technology, Poojapura, Trivandrum on 01.11.2021. They visited experimental large animal facilities such as, clinical and research laboratories, animal surgery facility, large animal breeding and experimental facility for sheep and pig during the visit

1. Dr. Akshara
2. Dr. Arun Kuttapan
3. Dr. Manasa
4. Dr. Nishana
5. Dr. Ashini
6. Dr. Basim
7. Dr. Devika
8. Dr. Renuka

**Staff Accompanying**

1. Dr. Arunima P.R



  
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