



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



**VINAYAKA MISSION'S
SANKARACHARIYAR
DENTAL COLLEGE**

VINAYAKA MISSION'S SANKARACHARIYAR

DENTAL COLLEGE

IMPLANT CERTIFICATION PROGRAMME



CONTENTS

<u>S.NO</u>	<u>PARTICULARS</u>	<u>PAGE NO</u>
1.	AIMS	3
2.	OBJECTIVES	3
3.	OUTCOMES	3
4.	ELIGIBILITY CRITERIA	5
5.	COURSE DURATION	6
6.	CURRICULUM	6
7.	TIME TABLE	13
8.	TRAINING TECHNIQUES	15
9.	EVALUATION	16
10.	SUGGESTED REFERENCE READING TEXT BOOKS	19
11.	EVENT DATES	20
12.	APPLICATION LETTER	21
13.	INTERVIEW MARK STATEMENT	22
14.	APPLICATION & CANDIDATE DECLARATION	24-25
15.	COURSE FEEDBACK FORM	26
16.	CERTIFICATE [COPY]	27



IMPLANT CERTIFICATION PROGRAMME

INTRODUCTION

AIM

Create an outstanding clinical and certification program in implant dentistry

Develop the next generation of premier clinician scholars in implant dentistry

Develop a strong connection with the next generation dentists

OBJECTIVE

The main objective of this implant programme is to develop the necessary skills for the students and the General Practitioners in utilisation of dental implants to restore the functional and esthetic requirements of their patients. Upon successful completion of this program, all the participants will have a thorough understanding and clinical competence in the diagnosis, surgical placement of endosseous dental implants and restoration of dental implants.

OUTCOMES

1. To understand the basic normal anatomy and the vital structure Related to the implant site
2. To make them understand the Basic components of dental implants
2. To diagnose and select the ideal cases for placing dental implants .
3. To interpret radiographic and CBCT readings for better placement of dental implants



4. To make them aware the different implant system available in the market and its merit and demerits
5. To successfully fabricate the surgical stents for placing dental implants.
6. To identify the clinical indications for using different dental implant systems.
7. To make them aware of the importance of prosthetically driven implants
8. To train them to properly record the patients data pre operatively and post operatively
9. To take them understand the importance of clinical photography and train them to take better photographs
10. To train all the participants in preparing the patients for the surgical procedure
11. To train all the participants to place a precise incision and proper flap reflection which plays a vital role in implant success
12. To make them aware of different surgical instruments available for a better implant surgery
13. To successfully give local anesthesia in the oral cavity which place a vital role in excellent patient management
14. To confidently place the dental implants under the guidance of an experienced mentor.
15. To make them aware of the advanced implant placement by giving them live surgical demonstration



16. To make them understand the importance of placing bone grafts and membranes and guiding them to do some regenerative procedures on their own
17. To train them to successfully make better impressions for a good crown placement
18. To train them to make a provisional crowns which plays a important role in patient management
19. To make them understand all the prosthetic components and the lab work involved in crown making
20. To make them understand the importance of choosing between a cement retained and screw retained crowns
21. To train them in placing the prosthetic crown on their own which is an essential part of implant placement
22. To prepare all the participants to train them theoretically also by providing necessary study materials.
23. To prepare a back up system for all the participants to guide them even after finishing the implant programme
24. All the participants will get 54 DCI credit points in addition to the university Certification

ELIGIBILITY:

CRI's, postgraduates, staffs and alumni of our institution will be given the first priority in selection of candidates for the implant programme.



COURSE DURATION

FIRST SESSION - 15 DAYS (8X15= 120 HRS)

Lectures and demonstration by the internal faculty

SECOND SESSION (128HRS)

Guest faculty

Module 1 - 4 days (4x8= 32 hrs)

Module 2 - 4 days (4x8= 32 hrs)

Module 3 - 4 days (4x8= 32 hrs)

Module 4 - 4 days (4x8=32 hrs)

THIRD SESSION 5 DAYS (5X8=40 HRS)

Internal faculty - case presentation - examination

THEORY AND VIVA VOICE - 2 DAYS (2X8 HRS = 16HRS)

TOTAL = 304 HRS

CURRICULUM

MODULE I

DAY 1

Implant treatment - general aspects

- ✓ History of implant dentistry
- ✓ Scientific developments in implantology, treatment concepts, implant materials, current implant systems on the market,
- ✓ Anatomical fundamentals in implantology
- ✓ Bone biology: physiology and quality



- ✓ Principles of osseointegration
- ✓ Medical evaluation of the implant patient
- ✓ Introduction to implant prosthetics
- ✓ Prosthetic options in implantology
- ✓ Natural teeth and their relation to implants
- ✓ Implant occlusion

DAY 2

- ✓ Implant supported removable prosthesis
- ✓ Introduction to nobel clinician.
- ✓ Hands-on software.
- ✓ Treatment planning & surgical aspects
- ✓ Patient selection criteria
- ✓ Pre-implantology based diagnosis
- ✓ Webinars
- ✓ Clinical examination
- ✓ Introduction to digital examination, nobelclinician case examination – simultaneous hands-on software
- ✓ Model analysis, soft tissue analysis (use of planning and sectioned models)
- ✓ X-ray image with measurement references
- ✓ Conventional radiography versus ct

DAY - 3

- ✓ Treatment planning for the implant patient - “backward planning applications”, a prosthetic implant planning
- ✓ Restorative treatment options
- ✓ Surgical concepts and procedures
- ✓ Step-by-step surgical procedures (one-stage treatment, two-stage treatment)



- ✓ Drilling protocols - hands-on session
- ✓ Implant surgery
- ✓ Hands-on drilling models

DAY- 4

- ✓ Live surgery by mentor / participants
- ✓ Live surgery
- ✓ Single unit cases
- ✓ Implant overdenture treatment
- ✓ Practice development
- ✓ Case documentation guidelines
- ✓ Fundamentals of dental photography
- ✓ Increasing patient treatment acceptance
- ✓ Communication skills
- ✓ Communication tools

MODULE II

DAY -1

Restorative treatment options, techniques & implant placement by participants

- ✓ Restorative treatment options and techniques i
- ✓ Impression taking
- ✓ Abutment selection
- ✓ Implant vs. Abutment level restorations
- ✓ Cement vs. Screw-retained restorations
- ✓ Restorative materials (pressed vs. Ceramic milled vs. Composites)
- ✓ Cad cam workflow / cad cam demonstration (abutment/restoration design)
- ✓ Implant placement by the participants



DAY - 2

- ✓ case presentation
 - ✓ case presentation by participants followed by case discussion and Question & Answers
 - ✓ Immediate implantation. Anesthesia in implant and reconstructive surgery
 - ✓ Immediate implantation: basic sciences, surgical techniques, indications and contraindications.
 - ✓ Anaesthesia in implant and reconstructive surgery: local and block anaesthesia, pharmacopoeia, iv sedation and general anaesthesia.
- Implant placement by the participants

DAY - 3

- ✓ Live patient demonstration
- ✓ Guided surgery overview
- ✓ Introduction to guided surgery
- ✓ Treatment planning with nobelclinician oriented to guided surgery with nobelguide (integrated treatment workflow).
- ✓ Indications, surgical procedures and treatment
- ✓ Implant placement by the participants

DAY - 4

- ✓ Implant placement by the participants
- ✓ Briefing and de-briefing of surgeries
- ✓ Overview of graft procedures and guided tissue regeneration techniques
- ✓ Repair of limited volume bone defects, segmental bone defects, and major bone defects.
- ✓ Principles of guided bone regeneration, classification of membranes, surgical procedures, precautions, advantages, disadvantages, major pitfalls & statistics.



MODULE III

DAY 1

PROSTHETIC TECHNIQUE

- ✓ Implant maintenance and complications
- ✓ Implant maintenance and follow-up
- ✓ Mechanical complications
- ✓ Biological complications
- ✓ Peri-implant mucositis
- ✓ Peri-implantitis
- ✓ Case presentation by participants
- ✓ Case discussion
- ✓ Question & Answers

DAY - 2

HANDS-ON / LIVE CASES

- ✓ Hands-on prosthetic workshop & live prosthetic restoration by mentor followed by the students.
- ✓ Impression taking
- ✓ Try-In
- ✓ Placement of final restoration

DAY - 3

HANDS-ON SESSION ON PROSTHETIC MODELS

- ✓ Impression taking
- ✓ Abutment selection
- ✓ Restorative treatment options and workflow for single tooth
- ✓ Restorative treatment options and workflow for multiple missing teeth
- ✓ Esthetic zone



- ✓ Posterior region
- ✓ Restorative treatment options and workflow for edentulous patients
- ✓ Provisionalization
- ✓ Prosthetically-driven soft tissue management
- ✓ Basic principles of occlusion, impression techniques and laboratory protocols.

Implant abutments: removable and fixed prostheses, selection of abutments, choice of trays, screw/cement retentions, biomechanics and aesthetics of implant supported prostheses,

- ✓ Concept of immediate loading.
Bone splitting, bone spreading and expansion technique in management of thin alveolar ridges: cortical and cancellous bone deformation factors.
Indications and contra-indications.
- ✓ Literature review.
- ✓ Hands-on prosthetic workshop & live prosthetic restoration by participants.
- ✓ Live cases

DAY - 4

- ✓ Live cases and followed by a live demo of one advanced implantation by mentor
- ✓ Management of complications: implant complications, abutment complications, prosthetic complications, reconstructive surgery complications.
- ✓ Overview of maxillary sinus cavities: anatomy and histophysiology, surgical techniques, biomaterials used.
Overview of advanced implant techniques: zygomatic, boi & pterygoid implants



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



**VINAYAKA MISSION'S
SANKARACHARIYAR
DENTAL COLLEGE**

THIRD SESSION (5 DAYS)

INTERNAL FACULTY

Case presentation by the participants and evaluation

Certification examination and viva-voice (2 days)

Internal Faculty



TIME TABLE

FIRST SESSION (15 DAYS)

TRAINING OF PARTICIPANTS BY INTERNAL FACULTY

Day 1	Lecture : surgical anatomy of head and neck – part 1	Clinical posting
Day 2	Lecture : surgical anatomy of head and neck – part 2	Clinical posting
Day 3	Hands on Asepsis – Gowning and patient preparation	Clinical posting
Day 4	Hands on incision and flap elevation	Clinical posting
Day 5	Lecture on sterilization and disinfection	Clinical posting
Day 6	Lecture on patient selection and radiographic interpretation	Clinical posting
Day 7	CBCT interpretation and hands on	Clinical posting
Day 8	Hands on of handling and manipulation of bone and soft tissue on animal jaw	Clinical posting
Day 9	Lecture on impressions and impression materials	Clinical posting
Day 10	Hands on impression taking	Clinical posting
Day 11	Lecture on basics of implant components	Clinical posting
Day 12	Lecture on suturing techniques and hands on assignments	Clinical posting



Day 13	Lecture on dental chair emergencies	Clinical posting
Day 14	Lecture on periimplantitis	Clinical posting
Day 15	Lecture on piezosurgery	Clinical posting

- ✓ Clinical cases: How to plan and prepare a treatment.
- ✓ Patients selection
- ✓ Webinars and discussions
- ✓ Literature review.

**SECOND SESSION (4 MODULES)
TRAINING OF PARTICIPANTS BY INTERNAL FACULTY AND
GUEST FACULTY**

Module 1	Module 2	Module 3	Module 4
8 hours x 4 days = 32 hours	8 hours x 4 days = 32 hours	8 hours x 4 days = 32 hours	8 hours x 4 days = 32 hours
Lectures	Lectures	Lectures	Discussions with coordinators
Hands on	Prosthetic Planning	Final Restoration by The participant	Try In
Live surgery demonstration by mentor	Implant cases By participants	Interdisciplinary Approach for Management of Complex cases	Placement of restoration



Implant Hands on by Students with Documentation Evaluation	Advanced Surgical Techniques Evaluation	Advanced Surgical Techniques Evaluation	Cementation Evaluation Evaluation
--	--	--	---

TRAINING TECHNIQUE

MODULE 1 –

- Subject discussion
- Webinars
- Model analysis, soft tissue analysis
- Drilling protocol- hands on
- Live surgery by mentors

MODULE 2

Case presentation by participation

Implant placement by the participants under the guidance of mentors

Briefing and debriefing of surgeries

Overview of graft procedures and GTR techniques

MODULE 3

Hands on prosthetic workshop and live prosthetic restoration by mentor followed by the students.

Impression taking

MODULE 4

Abutment selection

Crown placement

EVALUATION



After the student has completed the required quota from module II to module IV, clinical evaluation is done by practical examination, case presentation, viva voce (problem based questionnaire) and written examination.

CLINICAL EVALUATION (GRADING SYSTEM AS PER UGC)

The award of certificate (NSQF level 4 – 18 credits), will be given to successful candidates on completion of the evaluation process at the end of the programme.

The grades and grade points as recommended by the UGC are as follows:

(Ref. Credit system and NSQF – 2.6)

LETTER GRADE	GRADE POINT
O (Outstanding)	10
A+ (Excellent)	9
A (Very Good)	8
B+ (Good)	7
B (Above average)	6
C (Average)	5
P (Pass)	4
F (Fail)	0
Ab (Absent)	0

GRADING CRITERIA :

O – OUTSTANDING

Outstanding In Both Clinical And Theoretical Knowledge
Excellent communicative skills
Attentive And Involved In The Lectures
Outstanding Clinical Skills
Out Standing In Clinical Presentation
Punctual To All The Modules
Good Patient Selection And Appointment Well Maintained
Scored Distinction In The Written Examination

A+ - EXCELLENT



Excellent In Both Clinical And Theoretical Knowledge
Attentive And Involved In The Lectures
Outstanding Clinical Skills
Out Standing In Clinical Presentation
Punctual To All The Modules
Good Patient Selection And Appointment Well Maintained
Scored Distinction In The Written Examination

A – VERY GOOD

Good In Both Clinical And Theoretical Knowledge
Attentive And Involved In The Lectures
Good Clinical Skills
Good Clinical Presentation
Punctual To All The Modules
Good Patient Selection And Appointment Well Maintained
Scored Distinction In The Written Examination

B+ - GOOD

Good In Either Clinical And Theoretical Knowledge
Good Clinical Skills
Good Clinical Presentation
Attentive And Involved In The Lectures
Not Absent In Any Modules
Good Patient Selection And Appointment Well Maintained
Scored Above Average In The Written Examination

B – ABOVE AVERAGE

Above Average In Both Clinical And Theoretical Knowledge
A Decent Clinical Skills
Above Average Clinical Presentation
Not Absent In Any Modules
Good Patient Selection And A Decent Appointment Maintenance
Scored Average Marks In The Written Examination

C – AVERAGE



Average In Both Clinical And Theoretical Knowledge
Average Clinical Skills
Average Clinical Presentation
Not Absent In Any Modules
Good Patient Selection And A Decent Appointment Maintenance
Scored Average Marks In The Written Examination

P – PASS

Satisfactory In Both Clinical And Theoretical Knowledge
Clinical Presentation was completed
Not Absent In Any Modules
Patient Selection And Appointment Maintenance was satisfactory
Scored pass Marks In The Written Examination

F – FAIL

Below average in all clinical and the theoretical knowledge
Shortage in attendance in all modules
Patient Selection And Appointment Maintenance was not satisfactory
Scored fail Marks In The Written Examination

Note : A student obtaining grade F, Shall be considered 'Failed' and will be required to reappear in the examination.

- Every Participant Will Be Evaluated In All The Four Modules
- Both The Internal Faculty And External Faculty (Mentors) Will Be Involved In The Evaluating The Participants
- Slow Learners And Weaker Candidates Will Be Identified At The Earliest And Individual Attention Will Be Given To Them To Overcome Their Weakness
- Enough Study Materials Will Be Given Prior To The Start Of All The Modules And Theory Will Be Covered In Each And Every Modules



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**

(Deemed to be University under section 3 of the UGC Act 1956)



**VINAYAKA MISSION'S
SANKARACHARIYAR
DENTAL COLLEGE**

SUGGESTED REFERENCE READING TEXT BOOKS :

1. Contemporary implant dentistry – Carl E Misch
2. Implants in clinical dentistry- Richard M palmer, Brain J Smith
3. Risk factors in implant dentistry – frank Renouard
4. Fundamentals of implant dentistry – Gerard Byrne
5. Bone grafting techniques for maxillary implants – Karl-Erik Kahnberg
6. Basic guide to medical emergencies in the dental practice – Phil Jevon
7. The art of digital dental photography – Dr Ian Cline



IMPLANT CERTIFICATION PROGRAMME

EVENT DATES

To College _____ notice board

Vinayaka missions sankarachariyar dental college and vinayaka missions research foundation (deemed to be university) in association with nobel bio care has instituted implant certification programme to those eligible candidates, who are genuinely interested in improving their skills in this speciality.

Those interested candidate are requested to meet the principal and submit the application form in this regard on or before _____

Last date for submission : _____

Date of interview : _____

Date of joining the course : _____

Date of evaluation of performance
after the implant certification programme :



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



**VINAYAKA MISSION'S
SANKARACHARIYAR
DENTAL COLLEGE**

IMPLANT CERTIFICATION PROGRAMME
APPLICATION LETTER

From,

To

The Principal (Through the directors of the programme)
VMSDC,
Salem

Sub : **UNIVERSITY IMPLANT CERTIFICATION PROGRAMME**

Respected Sir,



IMPLANT CERTIFICATION PROGRAMME

DATE OF INTERVIEW :

S.NO	NAME OF CANDIDATE	SCORE (200 MARKS)	SCORE (LETTER GRADE)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			



Letter Grade Score	Score marks	Grade & Percentage
O Outstanding	190-195 /200	10
A+ Excellent	170-195/200	9
A Very good	160-165 /200	8
B+ Good	150-155 /200	7
B Above average	130-135 /200	6
C Average	120-125 /200	5
P Pass	100-110 /200	4
F Fail	100 / 200	0
Ab : Absent	NA-	0

The following twenty (20) candidates have been selected :

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18.
- 19.
- 20.

NAME & SIGN OF INTERVIEWERS:

(1) PRINCIPAL

(2) COURSE DIRECTOR

(3) COURSE DIRECTOR

(4) COURSE CO-ORDINATOR (5) COURSE JOINT COORDINATOR (6) COURSE JOINT COORDINATOR



IMPLANT CERTIFICATION PROGRAMME

APPLICATION FORM

DATE:

S.N O	PARTICULARS	TO FILL IN BLOCK LETTERS ONLY
1	NAME OF CANDIDATE	First
		Second
2	AGE & DATE OF BIRTH	
3	GENDER	
4 (a)	RESIDENTIAL ADDRESS [Temporary]	
(b)	RESIDENTIAL ADDRESS [Permanent]	
5	TELEPHONE NO OF CANDIDATE, E. MAIL	
6	PARENT / GUARDIAN NAME & ADDRESS	
7	PARENT / GUARDIAN PHONE NO:	
8	NAME OF COLLEGE & UNIVERSITY WHERE BDS & CRI WAS COMPLETED	BDS :
		CRI :
15	DCI REGISTRATION NO [STATE]	
16	HOW DID YOU LEARN OF THE PROGRAMME [REFFERAL; NET ETC..]	



DECLARATION BY THE CANDIDATE:

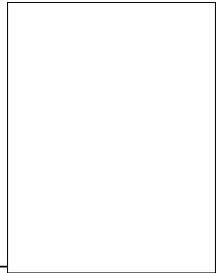
I _____ [DCI REG.NO _____] ; DO
HEREBY DECLARE THAT THE INFORMATION PROVIDED BY ME IN THIS
APPLICATION FORM IS WITH UTMOST HONESTY.

I WILL ABIDE BY THE RULES AND REGULATIONS OF THE COLLEGE FAILING
WHICH I WILL BE ASKED TO DISCONTINUE THE COURSE AS PART OF
DISCIPLINARY ACTION.

I WILL WORK WITH UTMOST SINCERITY AND TO THE BEST OF MY ABILITY
I SHALL NOT CAUSE ANY DAMAGE / LOSS TO PROPERTY OF THE COLLEGE
WHEREON I CAN BE ASKED TO REPLACE THE SAME.

DATE OF SUBMISSION OF
APPLICATION FORM : _____

SIGNATURE



NAME OF CANDIDATE: _____

DCI REG.NO : _____

PRINCIPAL SIGN
[WITH SEAL]

NOTE:

SUBMIT ATTESTED COPIES OF THE FOLLOWING CERTIFICATES:

1. IV BDS MARK SHEET
2. DCI REG.CERTIFICATE
3. PERMANENT RESIDENTIAL ADDRESS PROOF WITH PHONE NO OF PARENT / GUARDIAN.



IMPLANT CERTIFICATION PROGRAMME

COURSE FEEDBACK FORM:

1. Name of the Candidate:

2. Date of UNIVERSITY IMPLANT CERTIFICATION PROGRAMME

: _____ to _____.

S.No	Criteria	Strongly agree	Agree	Disagree
3	Whether training was relevant to your needs			
4	Did period of training was sufficient for you			
5	Whether equipment provided were helpful			
6	Did you find instruction were clear & understandable			
7	Did the instructor allow adequate responsibility for patient management			
8	Did you have adequate support with emergency with emergency cases			
9	Did the training met your expectations			

10. Remarks & Suggestions:



VINAYAKA MISSION'S
RESEARCH FOUNDATION
(Deemed to be University under section 3 of the UGC Act 1956)



VINAYAKA MISSION'S
SANKARACHARIYAR
DENTAL COLLEGE

CERTIFICATE MODEL

Certificate

Presented to

DR. P LOUIS GERALD

Successful completion of Clinical implantology programme
held at VMS Dental College a constituent college of
Vinayaka Mission's Research Foundation (Deemed to be university) Salem
from May 2018 to January 2019



Dr. Anjan Kumar Shah
Mentor

Dr. J. Sabarinathan
Director Of Academics
VMRFDU

Dr. B. Jaykar
Registrar
VMRFDU

Dr. J. Baby John
Principal
VMRFDU

Dr. Mahendranadh Reddy
Mentor