

**TAGORE DENTAL COLLEGE &
HOSPITAL**
Department of Public Health Dentistry


**VALUE ADDED CERTIFICATE
PROGRAM**

On

**“BASICS IN RESEARCH
METHODOLOGY”**

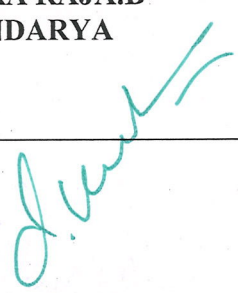
(20/02/2023-24/02/2023)


Dr. C. J. VENKATA KRISHNAN, M.D.S., Ph.D.,
PRINCIPAL
TAGORE DENTAL COLLEGE & HOSPITAL
RATHINAMANGALAM, VANDALUR POST,
CHENNAI - 600 127.


Department of Public Health Dentistry
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (Post)
Chennai - 600 127.

DEPARTMENT OF PUBLIC HEALTH DENTISTRY

PROGRAM CATEGORY	VALUE ADDED CERTIFICATE PROGRAM
TOPIC	BASICS IN RESEARCH METHODOLOGY
DATE AND VENUE	20th TO 24th FEBRUARY 2023 VENUE-DR.APJ ABDUL KALAM AUDITORIUM AND LECTURE HALL 3
DAY	MONDAY TO FRIDAY
TIME	9.00 AM – 3.00 PM
ORGANIZERS	DEPARTMENT OF PUBLIC HEALTH DENTISTRY TAGORE DENTAL COLLEGE AND HOSPITAL
NUMBER OF PARTICIPANTS	NO. OF PARTICIPANTS FOR GUEST LECTURE ON DEVELOPMENT AND VALIDATION OF QUESTIONNAIRE-47 FACULTY-5 STUDENTS-42 NO. OF STUDENTS PARTICIPATED FOR VALUE ADDED CERTIFICATE PROGRAM-29
RESOURCE PERSON	DR. KANNAN DR. VAISHNAVI.S DR. KUMARA RAJA.B DR. SOUNDARYA



CIRCULAR



TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Melakkottaiyur Post, Chennai -600 127, Ph: 30102222
Recognized by The Dental Council of India, New Delhi
Affiliated to the Tamilnadu Dr. M.G.R. Medical University, Chennai.

DEPARTMENT OF PUBLIC HEALTH DENTISTRY

Email: phdentistry@tagoredch.in

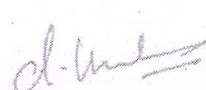
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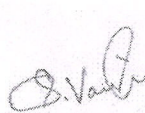
Date: 13-02-2023

CIRCULAR

Department of Public Health Dentistry is conducting a certificate program for CRRI students on topic “BASICS IN RESEARCH METHODOLOGY” along with Hands-on workshop on 20.02.2023 to 24.02.2023 from 9.00 AM to 3.00 PM. As a part of this certificate program there will be a guest lecture on the topic “DEVELOPMENT AND VALIDATION OF QUESTIONNAIRE” on 21.02.2023 from 1.00 PM to 3.00 PM at Dr. A.P.J Abdul Kalam auditorium. The lecture will be delivered by Dr. KANNAN, Associate Professor, Department of Microbiology, Tagore Medical College and Hospital. All the faculty members and CRRI students are requested to attend the lecture without fail.

We request all the HOD's of concerned department to relieve the registered CRRI students for the program.


Dr. C.J. Venkatakrishnan, M.D.S., Ph.D.,
Principal
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MELAKOTTAIYUR, CHENNAI-600 127.


Dr. S. Vaishnavi
Head of the Department of Public Health Dentistry
TAGORE DENTAL COLLEGE & HOSPITAL
Rathinamangalam, Vandalur (Post)
Chennai - 600 127.

Redg Office : No:25, Mahalingam Street, Mahalingapuram, Chennai- 600017. Ph: 044 -28173772/28175144

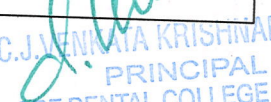
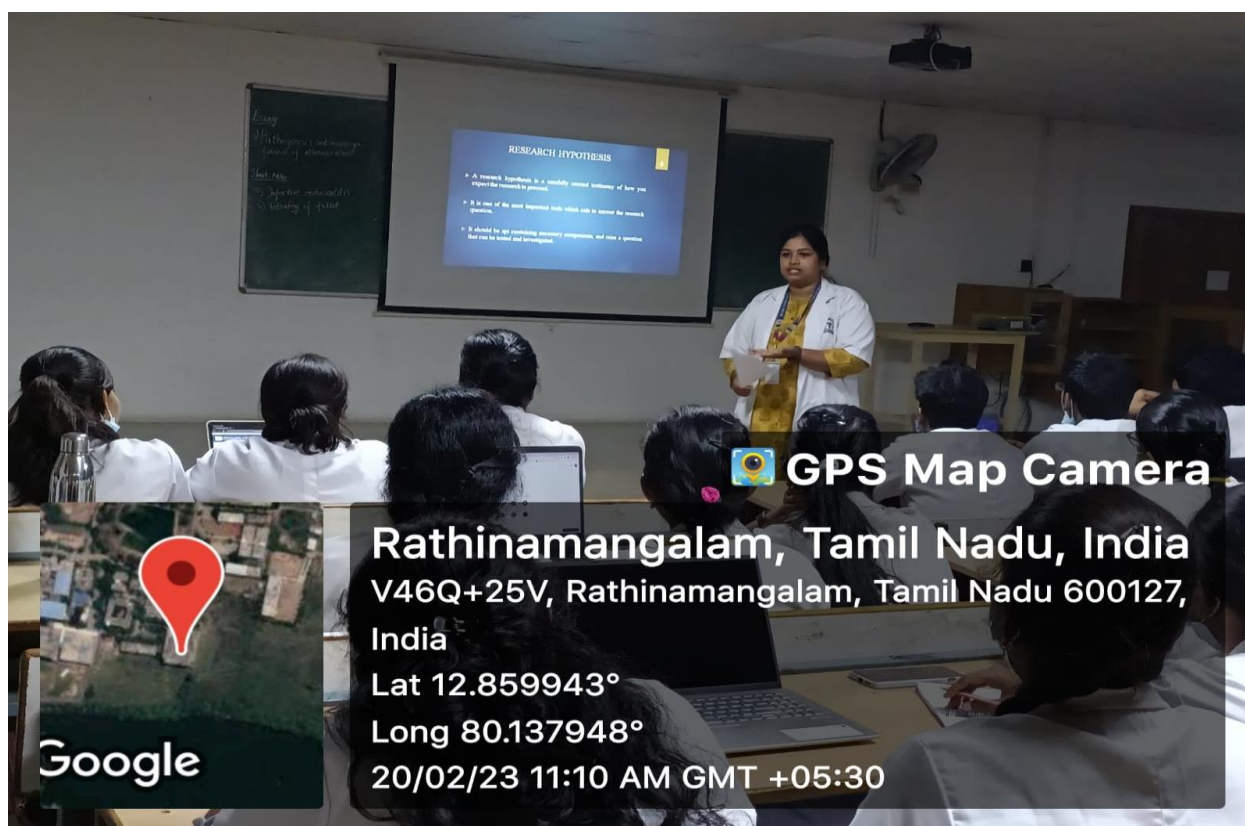

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PHOTO:3



ON DAY 2(21/03/2023)

On day 2, Dr. Soundarya highlighted students about the various types of data like nominal. Ordinal, discrete and continuous and also about the interpretation of data and statistical tests to be used for qualitative and quantitative data.

She also explained about the parametric and non-parametric tests and about normality.

Scenario was given to students and they all had actively participated to find the statistical test to be used.

A questionnaire is a very concise, preplanned set of questions used for gathering information on some topic to be submitted to one or more persons. The Department of Public Health Dentistry, Tagore Dental College and Hospital conducted an offline guest lecture titled “DEVELOPMENT AND VALIDATION OF QUESTIONNAIRE”, on Tuesday (21-02-2023) at Dr. APJ Abdul Kalam auditorium, Tagore Dental College and Hospital. Around 42 CRRI students and 05 faculties had participated in the guest lecture. The guest Speaker for the lecture was Dr. I. KANNAN who currently works as Associate Professor in the Department of Microbiology and he is Officer in charge of Central research laboratory at Tagore Medical College and Hospital. He has a teaching experience of 28 years for both under graduate and post graduate students.

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BROCHURE



TAGORE DENTAL COLLEGE AND HOSPITAL DEPARTMENT OF PUBLIC HEALTH DENTISTRY



PROF. M. MALA
CHAIRPERSON



PROF. DR. C.J. VENKATAKRISHNAN
PRINCIPAL



PROF. DRS. BALAGOPAL
VICE PRINCIPAL
ACADEMICS



PROF. DR. P. SAI KRISHNA
VICE PRINCIPAL
ADMINISTRATION

VALUE ADDED CERTIFICATE PROGRAM ON

BASICS IN RESEARCH METHODOLOGY

20/02/2023-24/02/2023

(9.00 AM TO 3.00 PM-30 HOURS)

**FOR
CRRI
STUDENTS**

GOAL

- To develop critical and analytic thinking among students

OBJECTIVES

- To train students for conducting research
- To make them understand the data that is presented in a research study
- To train them in development and validation of questionnaire
- To improve article writing skills of students

OUTCOMES

- Students will know the importance of conducting research
- Gain basic knowledge in types and interpretation of data
- They will know to utilize pubmed and other database
- Gain knowledge in writing and publishing the article

GUEST SPEAKER



**ASSOCIATE PROFESSOR OF MICROBIOLOGY
OFFICER INCHARGE
CENTRAL RESEARCH LABORATORY**

Registration fee-Rs.200

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DAY 1-20/02/2023

9.00 AM-10.30 AM	TYPES OF RESEARCH	DR.VAISHNAVI
10.30 AM-11.00 AM	BREAK	
11 AM-12.30 PM	SEARCHING AN ARTICLE	DR.SOUNDARYA
12.30 PM-1.30 PM	LUNCH BREAK	
1.30 PM-3.00 PM	PUBMED FILTERS, BOOLEAN OPERATORS AND SEARCH MODIFIERS	DR.SOUNDARYA

DAY 2-21/02/2023

9.00 AM-10.30 AM	TYPES OF DATA	DR.SOUNDARYA
10.30 AM-11.00 AM	BREAK	
11 AM-12.00 PM	INTERPRETATION OF DATA(Basic)	DR.SOUNDARYA
12.00 PM-1.00 PM	LUNCH BREAK	
1.00 PM-2.00 PM	DEVELOPMENT AND VALIDATION OF QUESTIONNAIRE	DR.KANNAN
2.00-3.00 PM	WORKSHOP	DR.KANNAN

DAY 3-22/02/2023

9.00 AM-10.30 AM	TYPES OF QUESTIONNAIRE	DR.VAISHNAVI
10.30 AM-11.00 AM	BREAK	
11 AM-12.30 PM	SAMPLING METHODOLOGY IN RESEARCH	DR.VAISHNAVI
12.30 PM-1.30 PM	LUNCH BREAK	
1.30 PM-3.00 PM	TYPES OF REVIEW	DR.VAISHNAVI

DAY 4-23/02/2023

9.00 AM-10.30 AM	SELECTING RELEVANT JOURNALS	DR.KUMARA RAJA
10.30 AM-11.00 AM	BREAK	
11 AM-12.30 PM	WRITING AND SUBMITTING ARTICLE	DR.KUMARA RAJA
12.30 PM-1.30 PM	LUNCH BREAK	
1.30 PM-3.00 PM	WORKSHOP	DR.KUMARA RAJA

DAY 5-24/02/2023

9.00 AM-10.30 AM	ABOUT IMPACT FACTOR, H INDEX AND I10 INDEX	DR.VAISHNAVI
10.30 AM-11.00 AM	BREAK	
FROM 11 AM	EVALUATION	

ORGANISING TEAM

DR. VAISHNAVIS
READER AND HEAD(I/C)

DR.KUMARA RAJA
READER

DR.SOUNDARYA S.P
SENIOR LECTURER

DR.MANOJ KUMAR
DR.MAHALAKSHMI
DR.VIRUDAMBAL
(LECTURERS)

CERTIFICATES WILL BE PROVIDED AFTER EVALUATION


Department of Public Health Dentistry, Tagore Dental College has organised a value added certificate program on Basics in Research Methodology for Internship students. A total of 29 students had participated in the program and benefitted. Program was conducted for the duration of 30 hours from 20/02/2023 to 24/02/2023.

ON DAY 1(20/03/2023)

On day 1(20/03/2023) first session was handled by Dr. Vaishnavi, Reader, Department of Public Health Dentistry enlightened students about the importance of research, types of research and about research problem. She also explained about research question and research objective.

Students were also explained about the hypothesis which includes research hypothesis, null hypothesis, directional, non-directional, simple and complex hypothesis. Few questions were given to the students and students were very enthusiastic to find the type of hypothesis given to them. She also explained students about the significance of alpha and beta error.

Second and third session was taken by Dr. Soundarya, Senior lecturer from department of Public Health Dentistry. She enlightened students on how to search an article. She also highlighted on different data bases available for searching an article. She explained about search filters, Boolean operators which is a set of commands that can be used in almost every search engine, database, or online catalogue like AND, OR, NOT that are used as conjunctions to combine or exclude keywords in a search. After the lecture class workshop on search engines was also conducted for the students



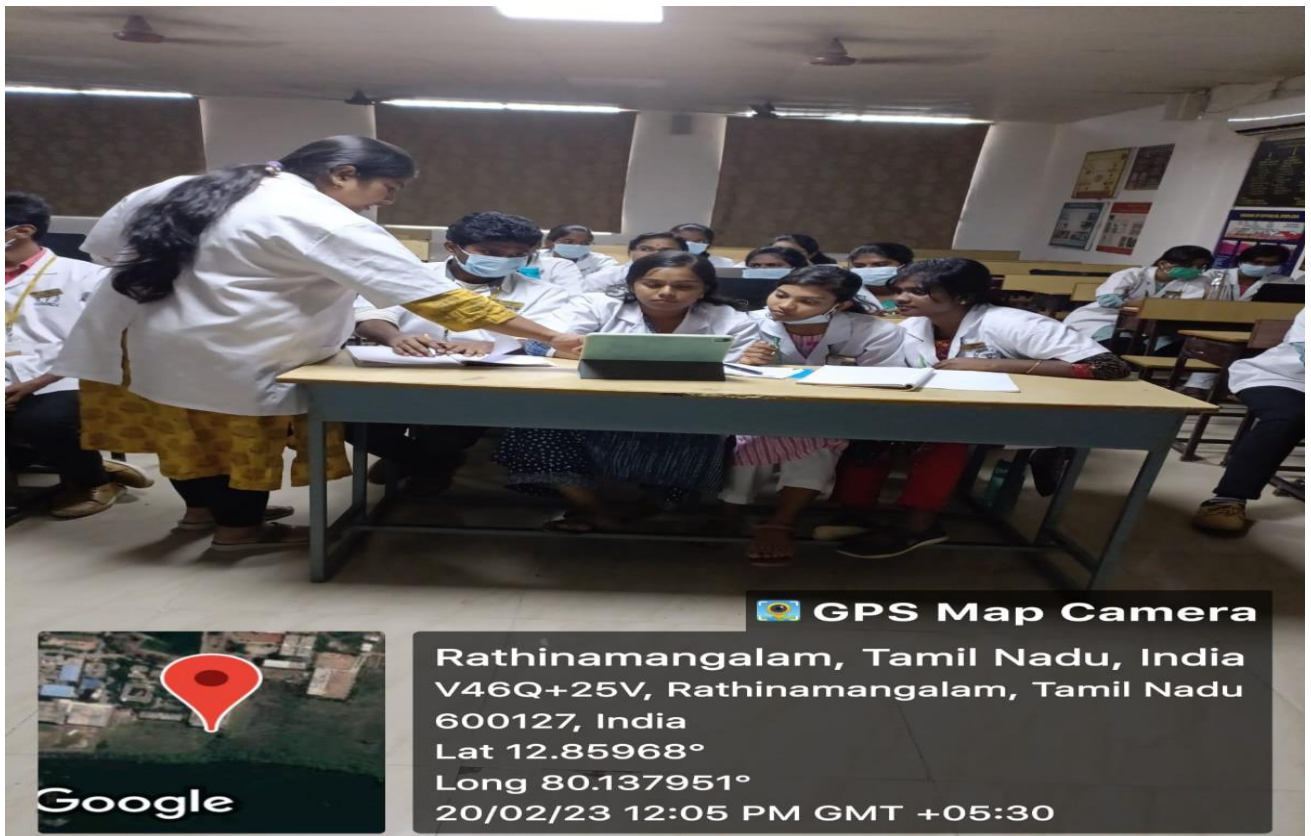
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PHOTOGRAPHS

PHOTO 1: Dr. Vaishnavi enlightening students on types of research



PHOTO 2, 3: Dr. Soundarya conducting workshop on Boolean operators



S. Venkata Krishnan

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The lecture started at 1.00 PM with an introductory note about the speaker by Preetha CRRI student, Department of Public Health Dentistry. Later, Dr. I. KANNAN continued the session and gave insights to the students about questionnaire, validity and reliability. He also elaborated on development and type of questionnaire and how to validate the questionnaire and best way to design the questionnaire. The students actively interacted with the speaker and clarified various doubts to enhance their knowledge on the topic.

Certificate and memento to the speaker were given by Dr. Balagopal Sir, vice principal Academics, TDC&H. We thank our chairperson Prof. Mala mam and our Principal Dr. Venkatakrishnan Sir for giving us an opportunity and encouragement to conduct this guest lecture.

PHOTO 4 : Students listening lecture on types of data

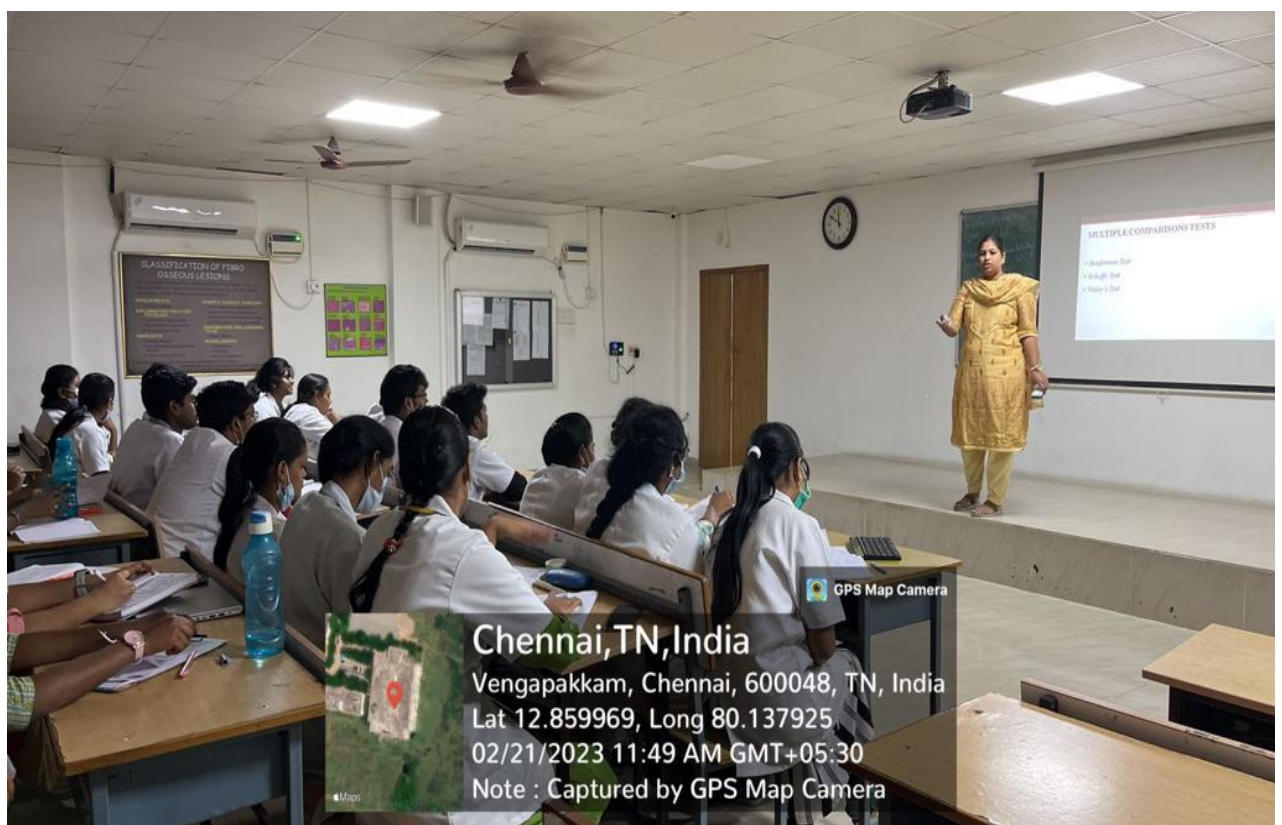


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PHOTO 5,6 -Dr. Soundarya explaining about types and interpretation of Data



PHOTO 6



S. Venk

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PHOTO 7-Dr. Kannan explaining about development and validation of questionnaire



PHOTO 8-Dr. Balagopal, Vice Principal (Academics) honouring guest speaker Dr. Kannan



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DAY 3(22/03/2023)

Day 3 session was handled by Dr. Vaishnavi.S. She had delivered lecture on types of questionnaires which includes open ended and closed-ended and about the advantages and disadvantages of open and closed ended questionnaire and other types. She also explained about the lawsche method for validation and importance of validating questionnaire.

She also explained about the types of probability and non-probability sampling and when to use different types of sampling. She elaborated students about the importance of sampling methodology and about the advantages and disadvantages of each sampling.

In the last session Dr. Vaishnavi explained about the review, types of review and how to write a review paper. She also explained about the hierarchy of evidence and about systematic review, meta-analysis and about the forest plot, funnel plot and importance of metanalysis.

PHOTO 9,10-Dr.Vaishnavi delivering lecture on Questionnaire



S. Venkatesh

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Rathinamangalam
Tamil Nadu
India

2023-02-22(Wed) 12:21(pnn)

32°C
90°F

On day 4 Dr. Kumara Raja, Reader from Department of Public Health Dentistry had enlightened students on how to select relevant journal to publish our research. He also highlighted on how to write an article from introduction to conclusion and about common reasons for article rejection and about study designs and guidelines for study designs and on payment of an article if it gets accepted. Workshop was conducted where students were given an opportunity to write an article for the research work given to them

J. Kunkel

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PHOTO 11,12- Dr. Kumara Raja delivering lecture on selecting journals and writing an article



PHOTO 12



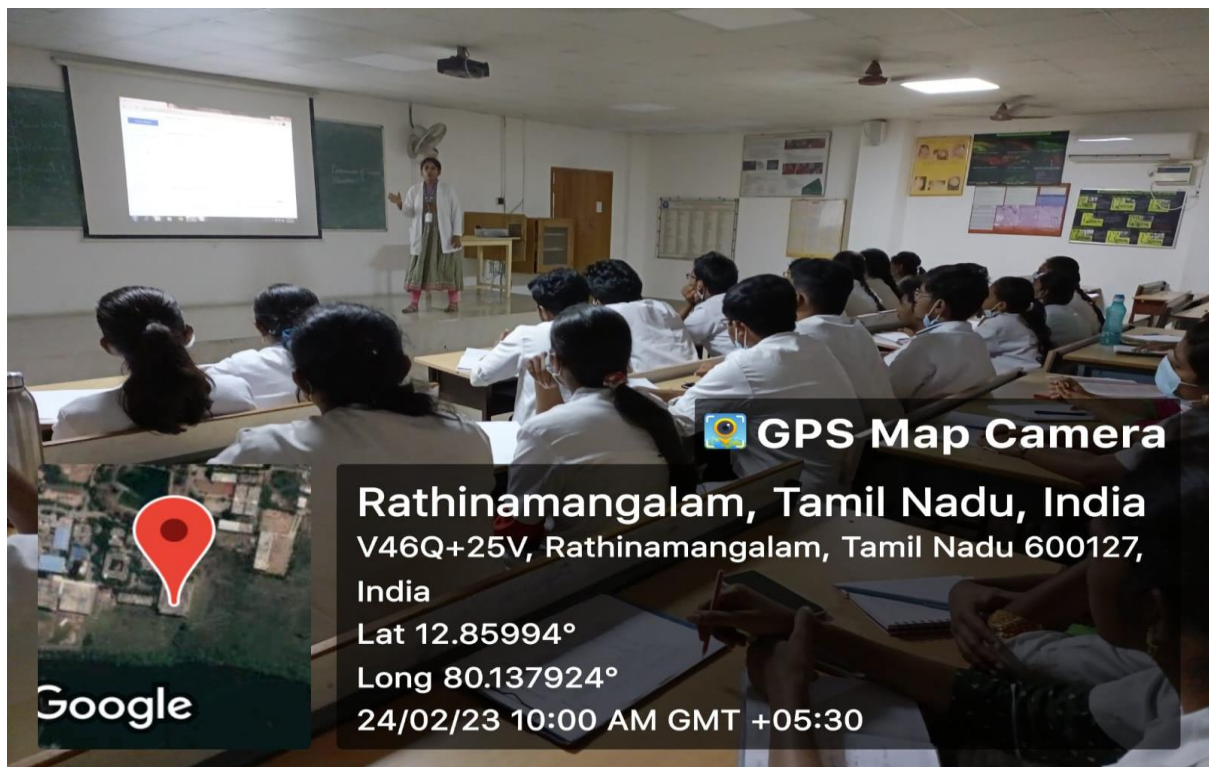
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Day 5(24/03/2023)

On day 5 morning session Dr. Vaishnavi has taken lecture on h index, I10 index about citations. She also enlightened students on Importance of citations, I10, I20 index and impact factor, predatory journal about the criteria for authorship and publication points. She elaborated students about ghost author and guest author. She explained students about ISSN number, ISBN number, different publishers, Pubmed, Scopus and web of science and about cite score.

PHOTO 13, 14- Dr. Vaishnavi taking lecture on h index, I10 index about citations





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PHOTO 14



After the session all the students participated in the program were evaluated by test in google form and 50 questions were given to them. Certificates were given to students who secured more than 25 marks.

PHOTO 15- Students participating in google form test



S. Venkata Krishnan

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Certificates and gifts were given to students who secured first 3 marks in the assessment test on Public Health Dentistry Day celebration

PHOTO 16-Ms. Joesmitha Receiving Certificate and Cash Prize(1st)



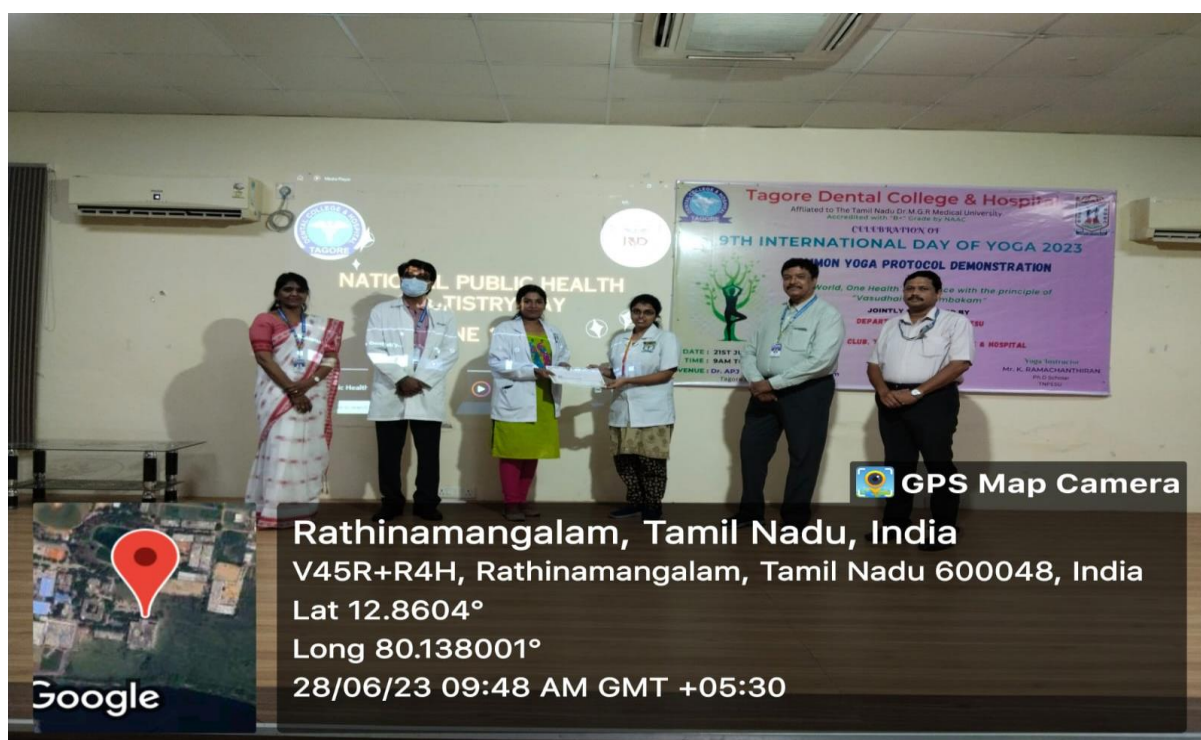
PHOTO 17-Ms. Vijayalakshmi receiving certificate and cash prize (2nd)



S. Venkata Krishnan

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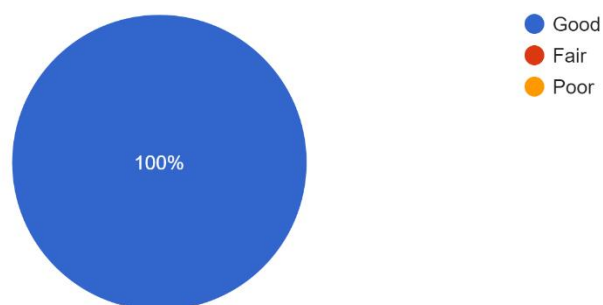
PHOTO 18-Ms. Sangavi receiving certificate and cash prize (3rd)



STUDENTS FEED BACK ABOUT THE PROGRAM

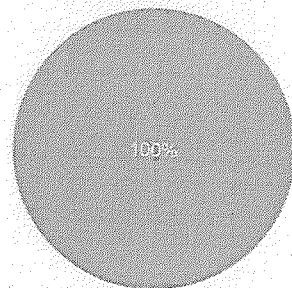
How was overall organization of the lecture?

27 responses



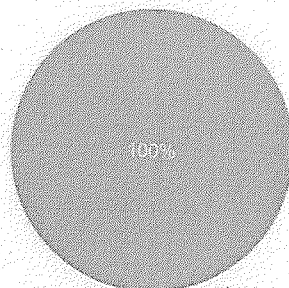
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How relevant was the content discussed by the speaker?
27 responses



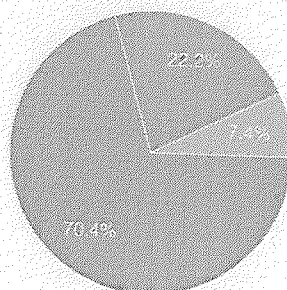
- Good
- Fair
- Poor

How much interesting this course was for you?
27 responses



- Good
- Fair
- Poor

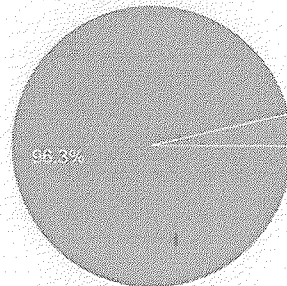
How was your preparation about the topic before the course?
27 responses



- Good
- Fair
- Poor

Did the course cover what you were expecting?

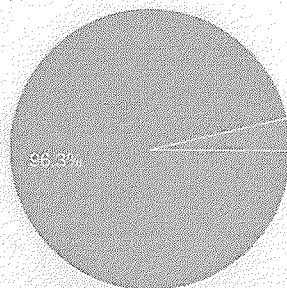
27 responses



● Good
● Fair
● Poor

What is the opinion about the speaker?

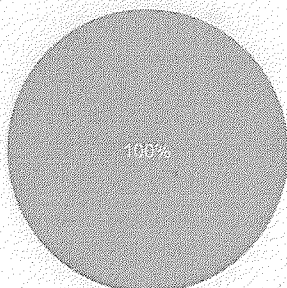
27 responses



● Good
● Fair
● Poor

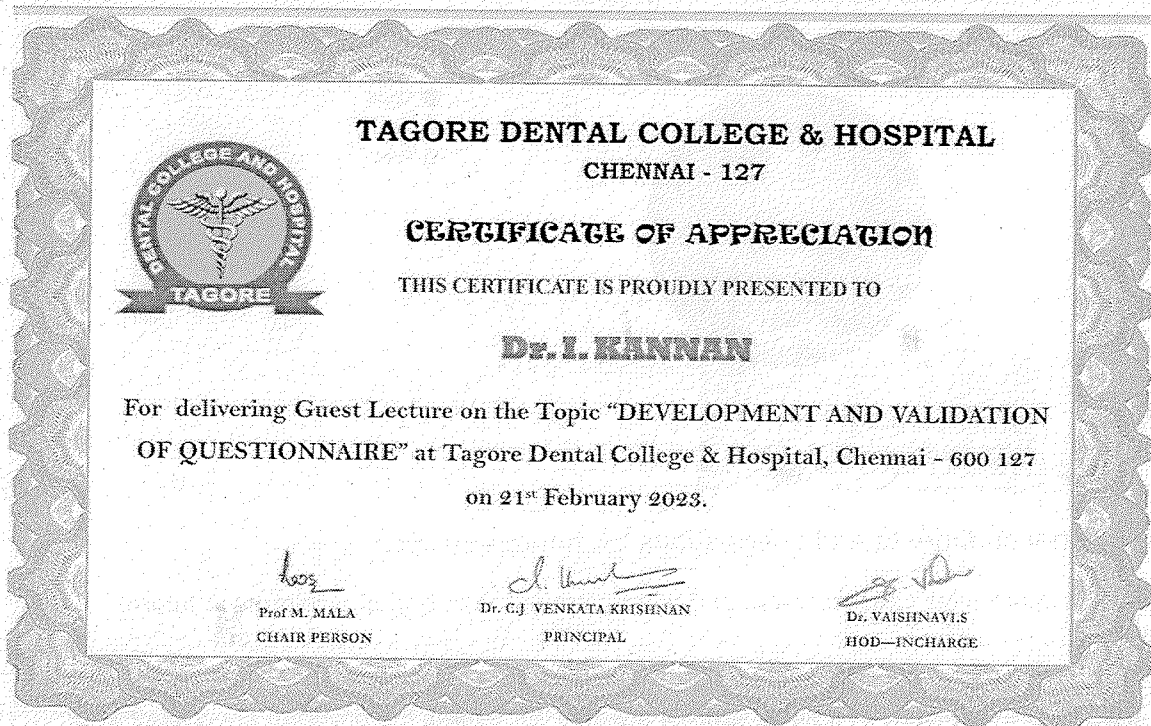
How much this course was useful from the knowledge and information point of view

27 responses

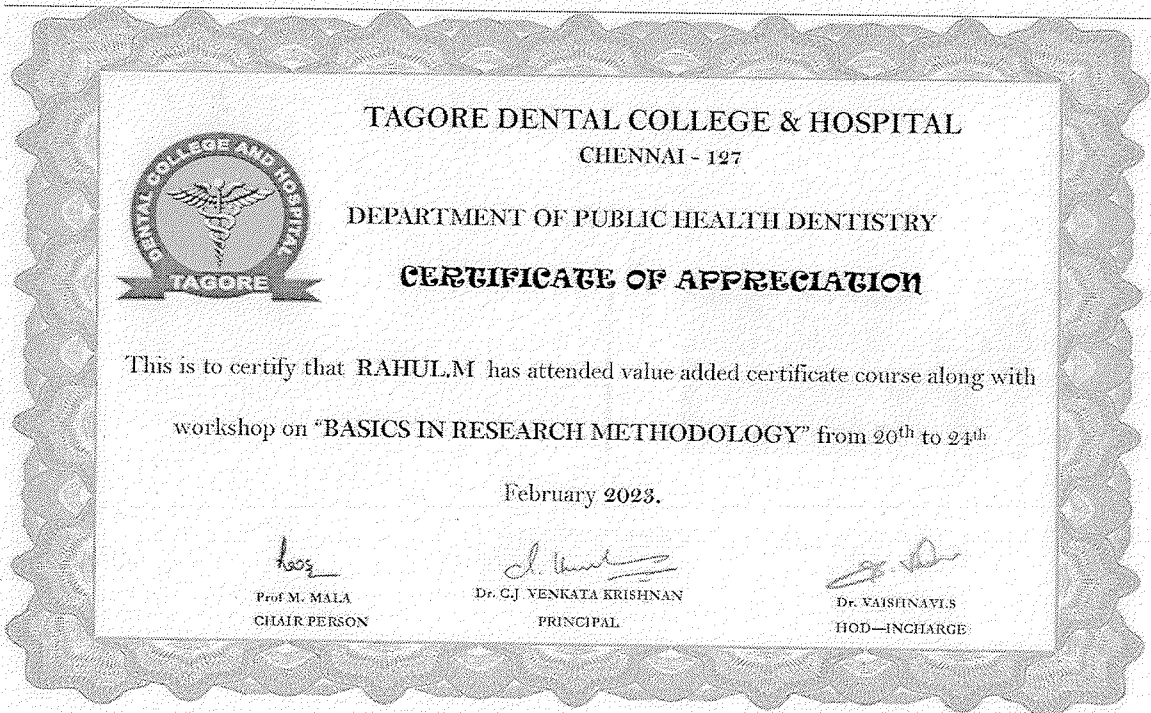


● Good
● Fair
● Poor

CERTIFICATE OF APPRECIATION TO DR.KANNAN



STUDENTS CERTIFICATE



Overall effectiveness of the course

27 responses



Additional comments and suggestions for future8 responses

Such an informative session it was, and need more of these kind of programs in future!

No

it would be the best if a live example of publishing a new research was demonstrated, though it would not be possible in a short span of a week, but overall the program conducted was useful.

More handson session

Overall gud

Good

STUDENTS PARTICIPATED IN THE PROGRAM

CERTIFICATE PROGRAM

DATE : 23/2/2023

S NO.	NAME	SIGNATURE
1	YAGAVI . P	P. Yagavi
2	SANGAVI . P	S. Sangavi
3	RAJA PRIYA . N.M	R. Priya
4	RENISHKA . R.J	R. Renishka
5	SARIKA . M.	M. Sarika
6	YAMINI . V	V. Yamini
7	DURGA . G	G. Durga
8	JOESHITHA . M	M. Joeshitha
9	KOKILA . K	K. Kokila
10	PUJANA . S	S. Pujana
11	SREESKANDHAN . T	T. Sreeskandhan
12	SUBIKSHA . S	S. Subiksha
13	RAMYA . A	A. Ramya
14	VISHALINI . M	M. Vishalini
15	HARIS . HARRIS . J	J. Haris
16	SHARA TRISHA . P	P. Shara Trisha
17	SHARMISHTA . S	S. Sharmishta
18	VIJAYALAKSHMI . R	R. Vijayalakshmi
19	ELAMARAN . V	V. Elamara
20	BATTY SHARON . R	R. Batty Sharon
21	RAVOORI BALAKRISHNA REDDY	R. Ravoori Balakrishna Reddy
22	SANGILI VIGNESH . S.M	S. Sangili Vignesh
23	SHALINI . S	S. Shalini
24	PAVITHRA . M	M. Pavithra
25	PARTHIBAN	M. Parthiban
26	SHERIN SONA . R	R. Sherin Sona
27	JOSHMITHA . S	S. Joshmita
28	RAHUL . M	M. Rahul
29	POOJA . T	T. Pooja

A. Kuntz

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