



VELAMMAL MEDICAL COLLEGE
HOSPITAL AND RESEARCH INSTITUTE
MADURAI - 625009

2020-21

Research Methodology for Postgraduates

- Title** : Research and methodology workshop
- Speakers** : Dr.Jhansi Charles, HOD, Microbiology
Dr. Trupti, Professor, Community Medicine
Dr. Sriandal, Assistant Professor, Community Medicine
Dr. Samir Bele, HOD, Community Medicine
Dr. Sudharshan, Assistant Professor, Community Medicine
Dr. Omar, Assistant Professor, Community Medicine
Mr. Vijay, Statistician, , Community Medicine
Dr. Sudhir Ben, Associate professor, Community Medicine
Dr. Reena , Associate professor, Psychiatry
Dr. Raj Kishore, HOD, Pharmacology
Dr. Navinath, Consultant, Nephrology
Dr. John Rajpathy, Professor, Physiology
Dr. Mohanty, Vice Principal, VMCH&RI
- Date** : 27.10.2020 – 29.10.20
- Time** : 8.00 am – 4.00 pm
- Venue** : 1st Floor Auditorium
- Targeted Audience** : PG students.
- Total number of participants:** 32

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Summary: The program started with an ice breaker event for the PG students organised by Dr. Trupti & Dr Sriandaal. Dr. John Rajpathy, MEU coordinator welcomed the students and faculty. The program was inaugurated by Dr. R. M. Rajamuthaiah, Dean, VMCH&RI.

The Vice Principal, Dr. P.K. Mohanthy talked about the importance of Research in Medicine. The first session was by Dr, Jhansi Charles who talked on Thesis and Dissertation, discussed difference between Thesis and dissertation and overview of how to take dissertation.

The second session was by Dr. Trupti on Qualitative and quantitative research, difference between them, introduction to quantitative study and advantages and disadvantages of both the research was explained in detail. Then Dr. Sriandaal talked on Epidemiological studies: Descriptive studies briefed on Defining study population, Disease under study, measurement of disease and formulation of Hypothesis.

Following it there was a tea break After the Break Dr. Samir Bele explained about Analytical studies and RCT. Types of analytical studies, uses of each study Limitations, Randomisation ,Bias and its types, Blinding and its types and different Phase trials was explained in detail.

Next session was on Framing Research Question. How to arrive at a topic of Research and how to frame Research question & suitability of the question was dealt in Detail. The participants were asked to develop their own research question based on the knowledge gained so far.

Post Lunch session was by Dr.Sudharsan on Literature search and Bibliography. Boolean logic, different websites for article search and use of Zotera application were discussed. Following this there was a group activity on Literature search.

Day 2 started with Dr. Gautham, Surgery PG summarising the activities and learning experience of Day 1.The day's 1st lecture was by Dr. Omar on Sampling and its types followed by Mr. Vijay explaining how to calculate sample size and respective formulas to be used with examples. Next there was a group activity on Sample size calculation.

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The next session was on Methodology by Dr. Sudhir Ben who explained about the Proforma of Methodology and how to fill up. A small exercise on writing up the methodology for the research question followed.

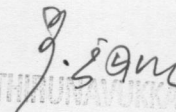
After the break Dr. Trupti spoke on questionnaire designing and validation of a questionnaire. The things to consider, while constructing a questionnaire, were dealt with. Following this Dr. Sriandaal spoke on Google forms and its use in Data collection and Data entry using excel sheet.

Dr. Reena and Dr. Raj Kishore discussed about Medical ethics, functions of the institutional Ethics committee and the processes of approval. Post Lunch Mr. Vijay demonstrated SPSS Application and its use in statistical analysis. The last session was a group activity on data collection using Google forms & data entry and data analysis using Excel.

Day 3 started with Dr. Sudhir explaining about variables and its types followed by a group activity of listing out examples for questions that produces different types of variables as answers. Session 2 was by Mr. Vijay on Presentation of Data involving Demo & exercises in Microsoft Excel. Dr. Navinath spoke on how to properly write a Research Report with example of some standard journals. He explained about the do's & don't' of writing a proper report. After a break, Dr. John Rajpathy spoke on Plagiarism and different types of it with examples and different types of Authorship.

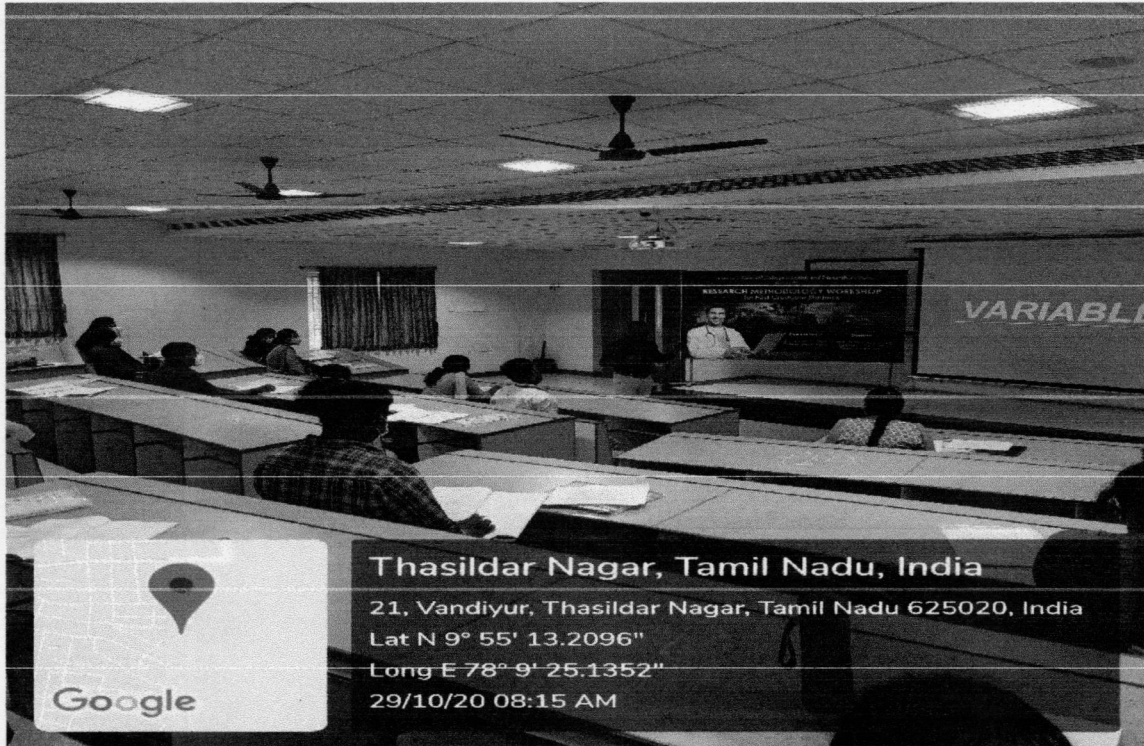
Following it Dr. Sudhir spoke on Review of a Journal and different Checklists for different types of studies. The Vice-principal, Dr. Mohanty spoke on Agencies providing Grant to PGs and Report Writing for Grant. Post Lunch, the Postgraduates who attended the workshop presented a basic proposal of research based on what they have learnt over the 3 days.

The presentation was reviewed by Dr.Samir, Dr. Trupti, Dr. John Rajpathy and Dr. Sriandal. The Last session was Valedictory Function where Certificates for Participation was Distributed by Dr. Mohanty and Dr. John Rajpathy.


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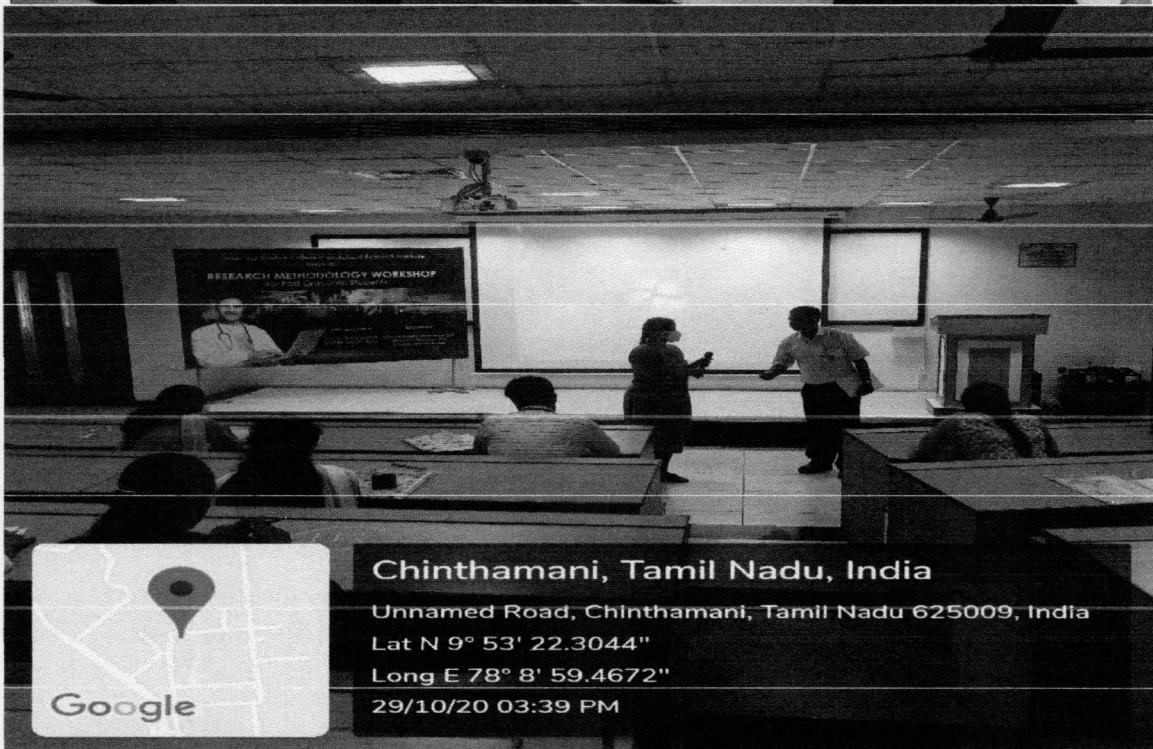


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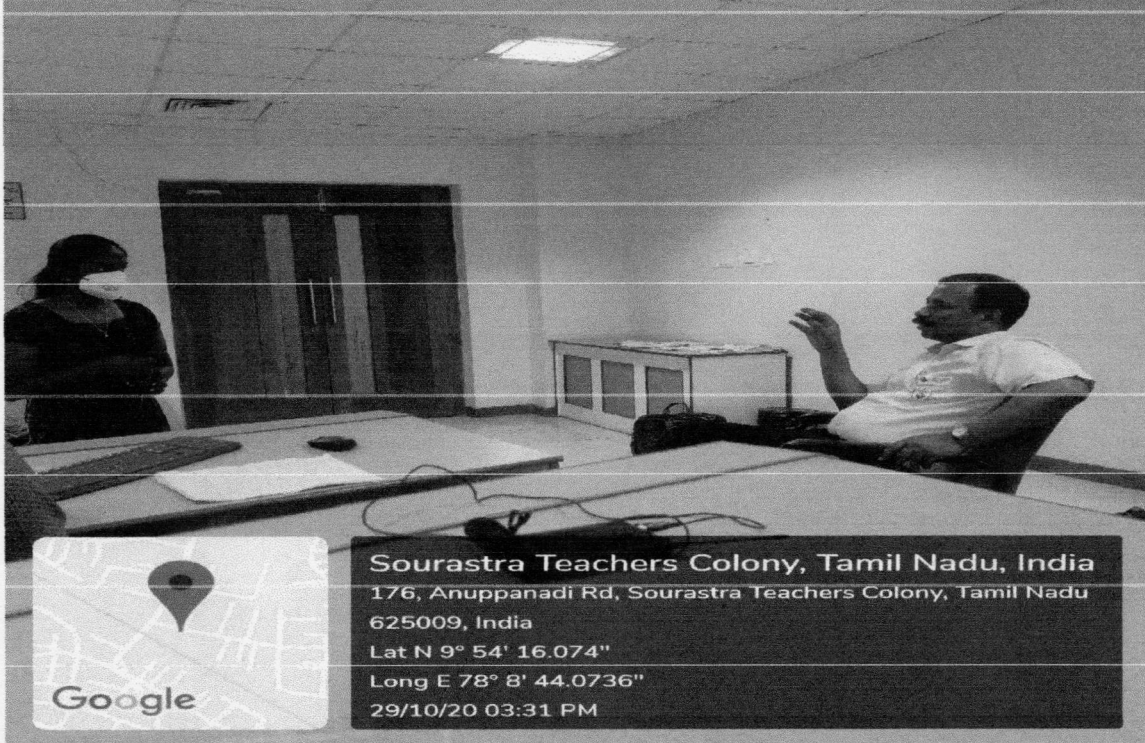
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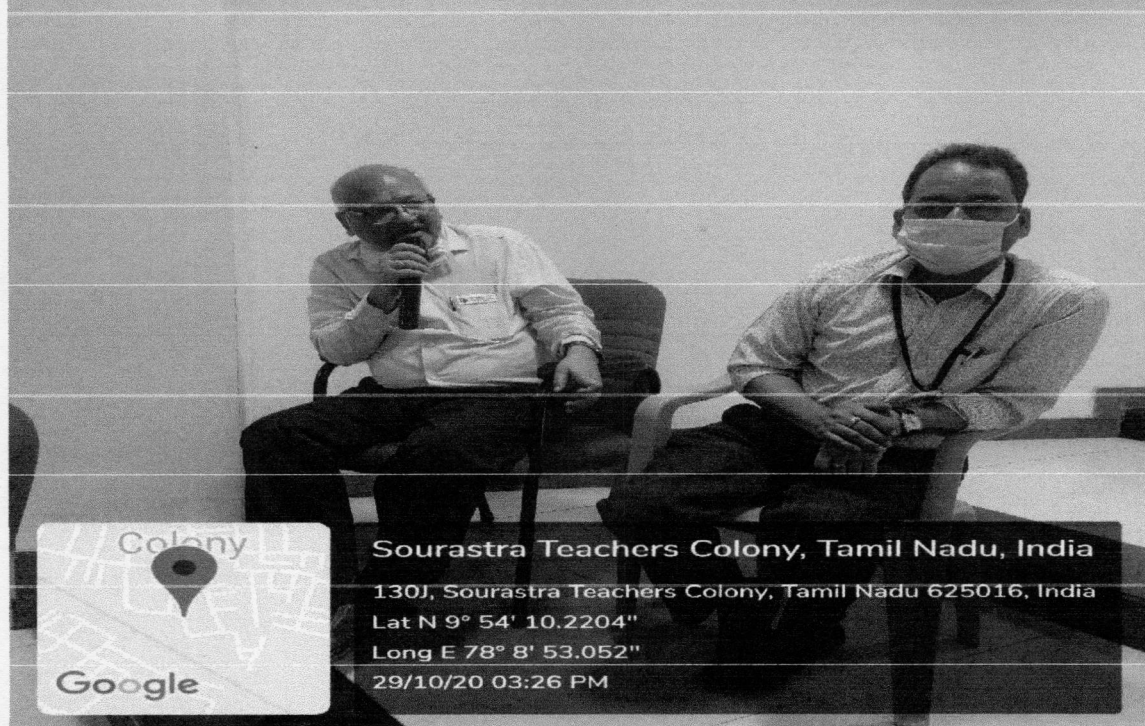
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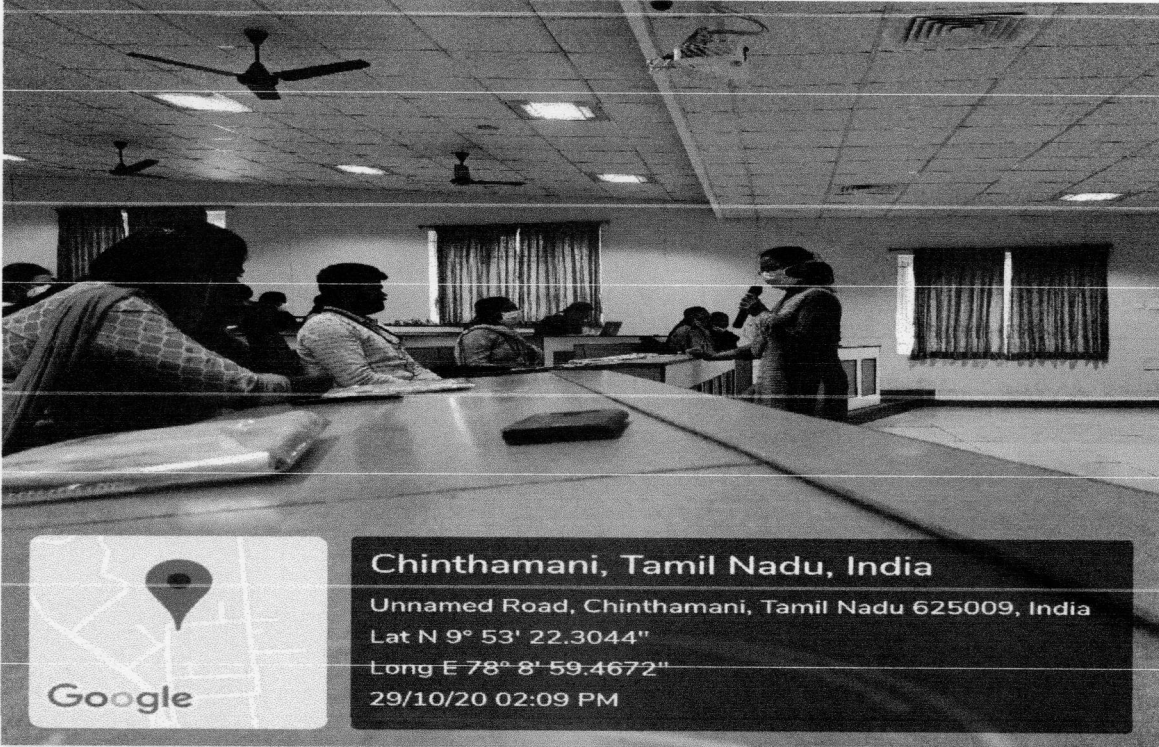


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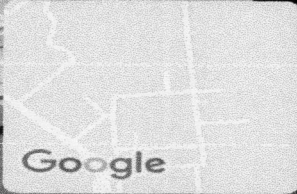
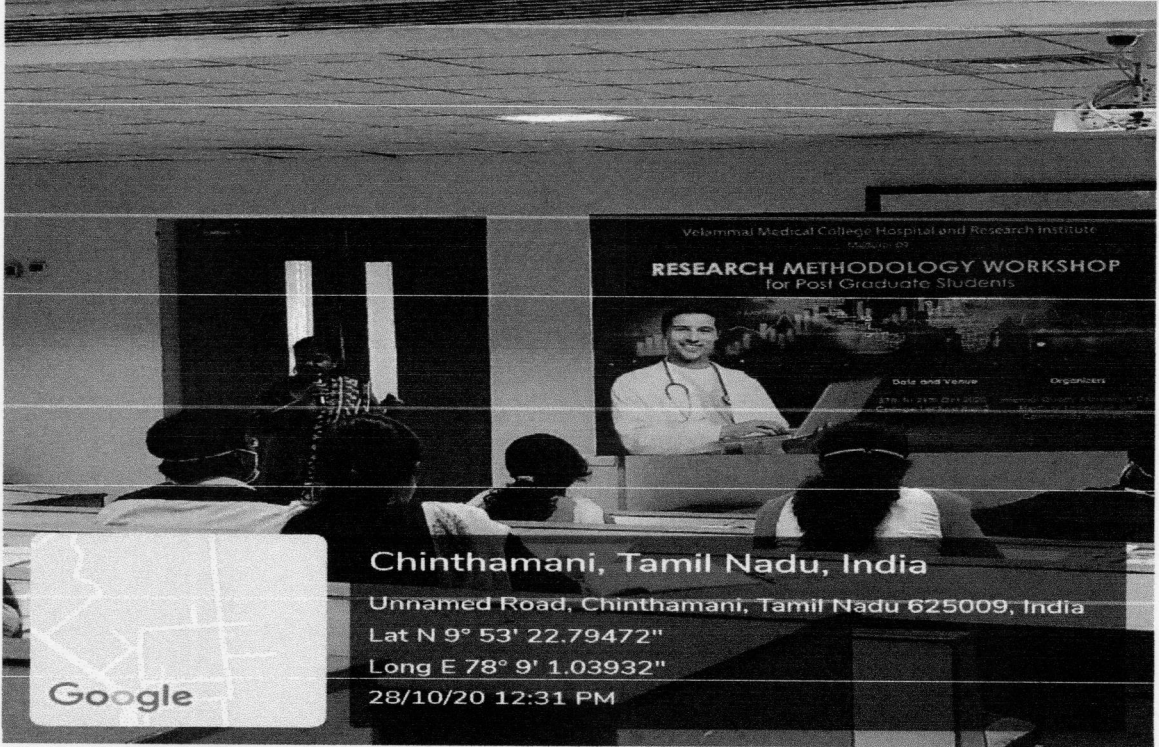
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T. Thirunavukkarasu

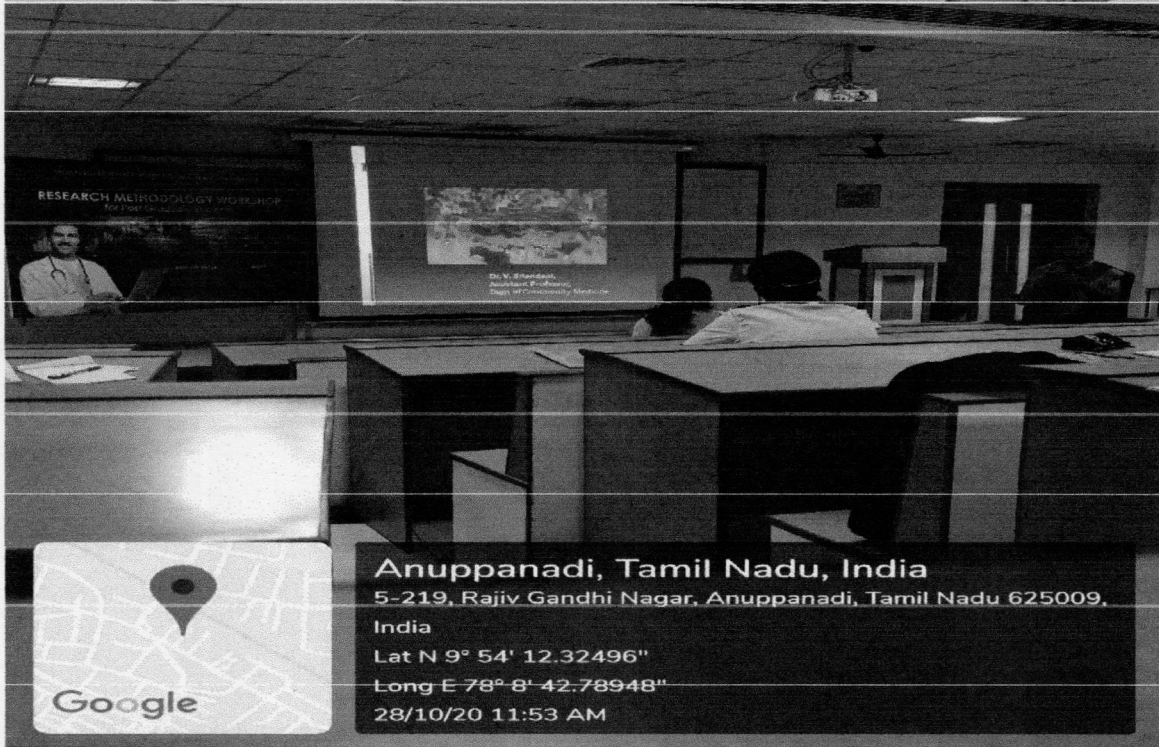
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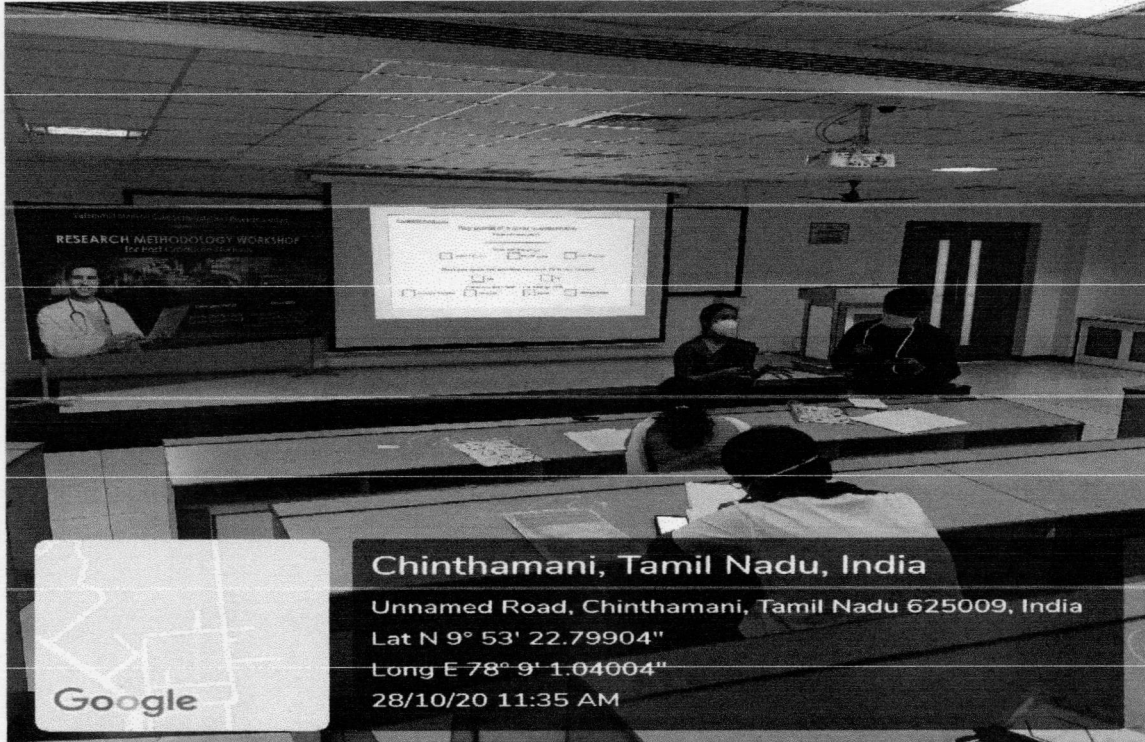


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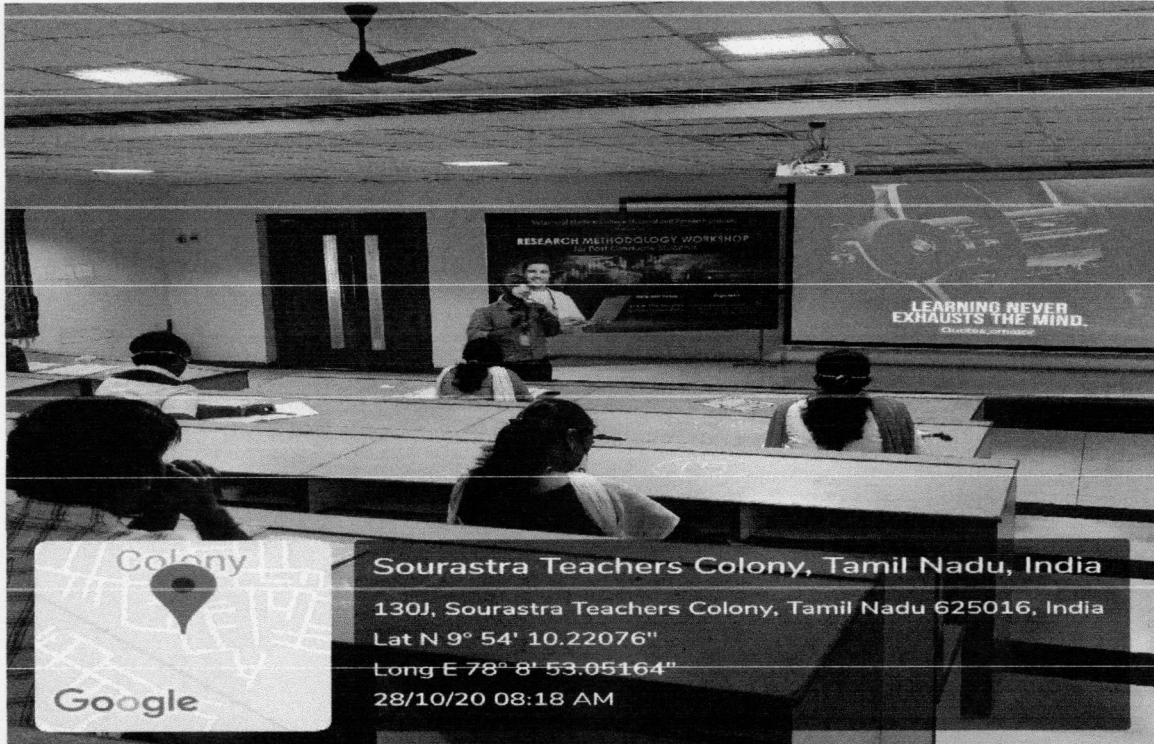
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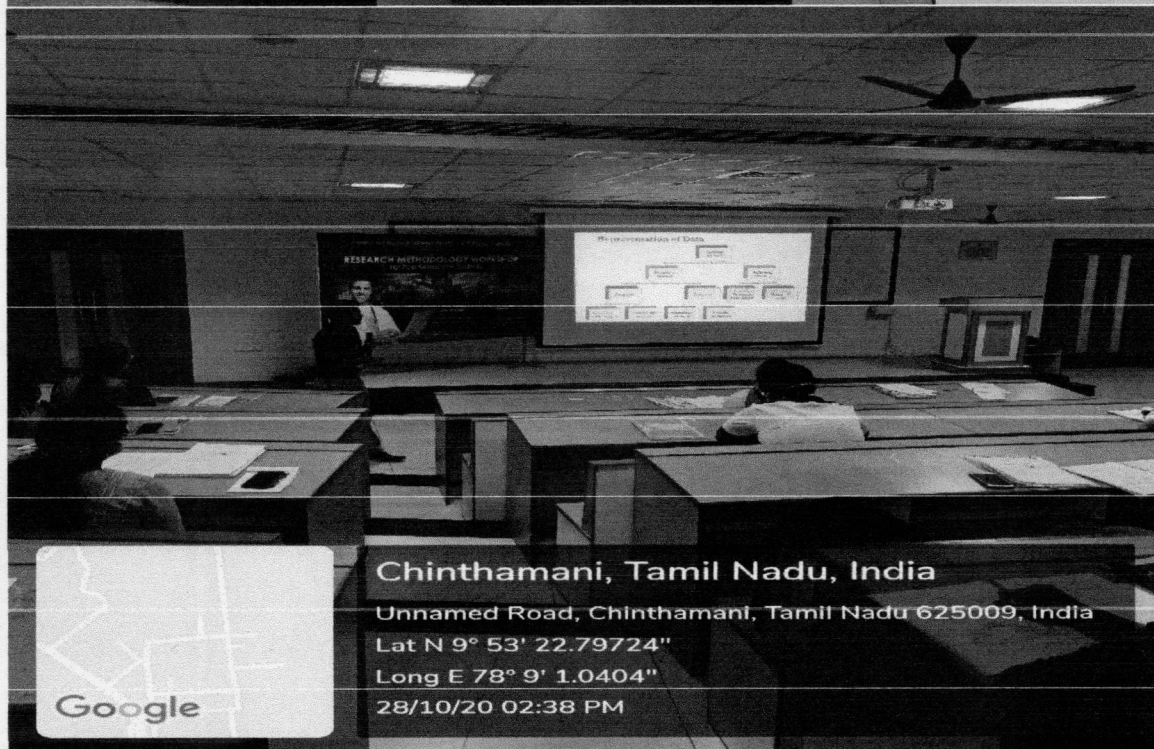
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Workshop on Management of Needle Stick Injury

Department of Microbiology

Report

Topic: Management of Needle Stick injury

Date: 11.11.2020

Venue: Lecture hall 2

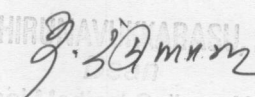
The Department of Microbiology at Velammal Medical College Hospital & Research Institute organized a seminar on "Management of Needle Stick Injury" on 11th November 2020 at Lecture Hall 2. The seminar aimed to raise awareness about the risks associated with needle stick injuries and provide valuable insights into their prevention and management.

The seminar commenced with an inauguration ceremony, during which the organizers welcomed the participants and esteemed speakers. Before delving into the main topics, attendees participated in a pre-test to assess their current knowledge of needle stick injuries and their management. Dr. Vithiya, MD, Assistant Professor of Microbiology, delivered an insightful introduction to the seminar, highlighting the significance of understanding and addressing needle stick injuries in healthcare settings.

At 9:40 am Dr. A. Ramesh, MD, Professor of Microbiology, took the stage to discuss the importance of standard precautions in minimizing the risk of needle stick injuries in medical settings.

After a short break, Dr. A. Ramesh continued with the session -Effects of Needle Prick Injuries at 11.00 AM , shedding light on the potential effects and consequences of needle stick injuries, emphasizing the importance of prompt and appropriate management.

The next session was on How to Manage Needle Prick Injuries at 12:00 by Dr. A. Ramesh who provided valuable insights into the proper management of needle stick injuries. The audience gained practical knowledge on immediate actions, reporting procedures, and follow-up measures.

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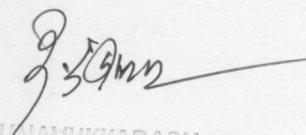


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Following the informative sessions, participants took a post-test to evaluate their understanding and knowledge gained from the seminar. A quiz was also conducted to engage attendees and reinforce key concepts. The organizers welcomed feedback from the participants, allowing them to express their opinions about the seminar's content, organization, and suggestions for improvement.

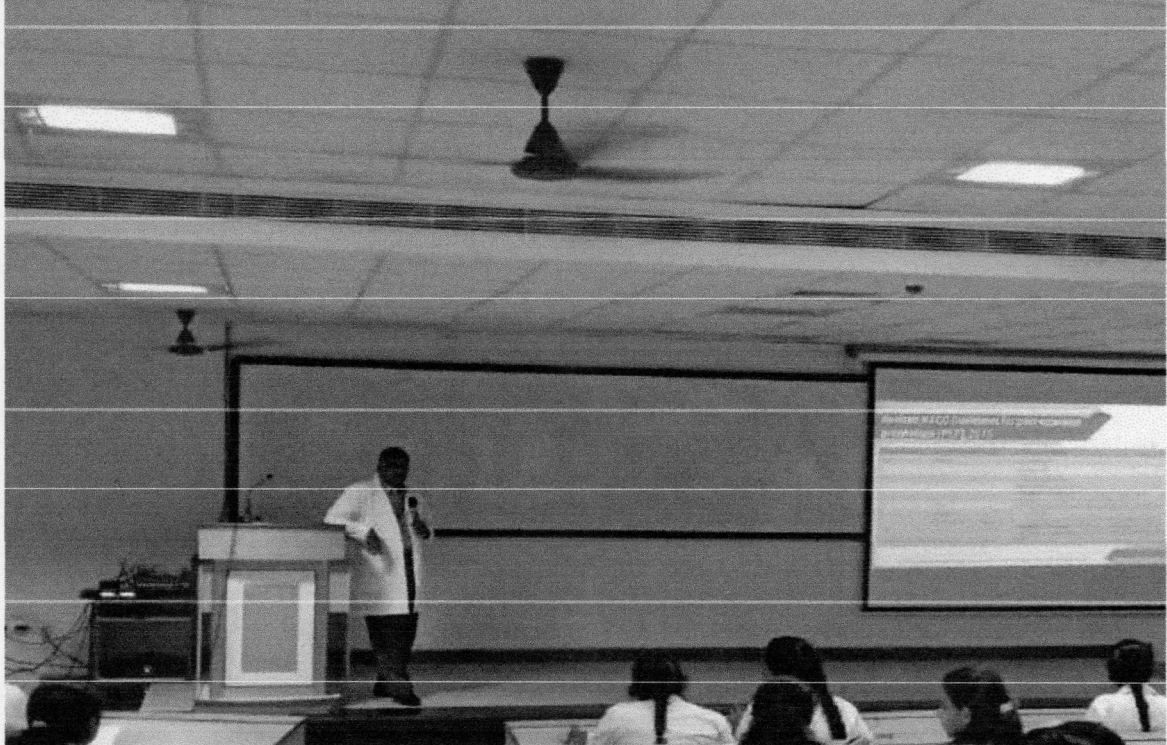
Concluding Note: Dr. Vithiya, MD, Assistant Professor of Microbiology, delivered the concluding remarks, summarizing the key takeaways from the seminar. She thanked the participants, speakers, and organizers for their active participation and valuable contributions.

Time	Topic	Speaker
9.00 am	Inauguration	
9.15-9.30 am	Pre-Test	
9.30 am	Introduction	Dr. Vithiya MD, Assistant Professor, Microbiology
9.40 am	Standard precautions	Dr. A.Ramesh MD , Professor, Microbiology
10.45 am	Tea break	
11.00 am	Effects of needle prick injuries	Dr. A.Ramesh MD , Professor, Microbiology
12.00 pm	How to manage needle prick injuries	Dr. A.Ramesh MD , Professor, Microbiology
1.00 pm	Post test & Quiz	
1.30 pm	Students' feedback	
1.45 pm	Concluding note	Dr.Vithiya MD, Assistant Professor, Microbiology


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Seminar on Biomedical waste Management

Department of Microbiology

Topic :Biomedical Waste Management:

Date: 04.12.2020

Venue: Lecture hall 2

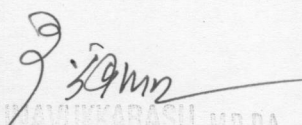
The Department of Microbiology at Velammal Medical College Hospital & Research Institute organized a seminar on "Biomedical Waste Management" on 4th December 2020 in Lecture Hall 2. The seminar aimed to create awareness about the proper management and disposal of biomedical waste, ensuring the safety of both healthcare professionals and the environment.

The program commenced with an inauguration ceremony at 9.00 am, followed by a pre-test from 9.15 to 9.30 am. The pre-test was designed to assess the participants' existing knowledge and understanding of biomedical waste management, providing a baseline for evaluating the effectiveness of the seminar.

At 9.30 am, Dr. A. Ramesh MD, Professor of Microbiology, delivered the introduction to the seminar. Dr. Ramesh provided an overview of the significance of proper biomedical waste management in healthcare settings and its implications for public health and safety.

At 9.45 am, Dr. T. Rajendran MD, Professor of Microbiology, presented on biomedical waste segregation and the different types of biomedical waste. This session emphasized the importance of proper segregation of biomedical waste to ensure safe disposal and minimize environmental and health hazards.

At 11.00 am, Dr. Vithiya MD, Assistant Professor of Microbiology, conducted a session on the segregation of biomedical waste, particularly in critical areas like operating theaters (OTs). This session addressed the specific challenges faced in OTs and provided insights into best practices for proper segregation and disposal.


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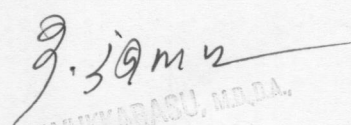


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Following a lunch break at 12.30 pm, the seminar resumed with a session on spill management by Dr. T. Rajendran MD. This session covered the protocols and measures to be taken in the event of a biomedical waste spill, emphasizing the importance of prompt and effective response to prevent potential hazards.

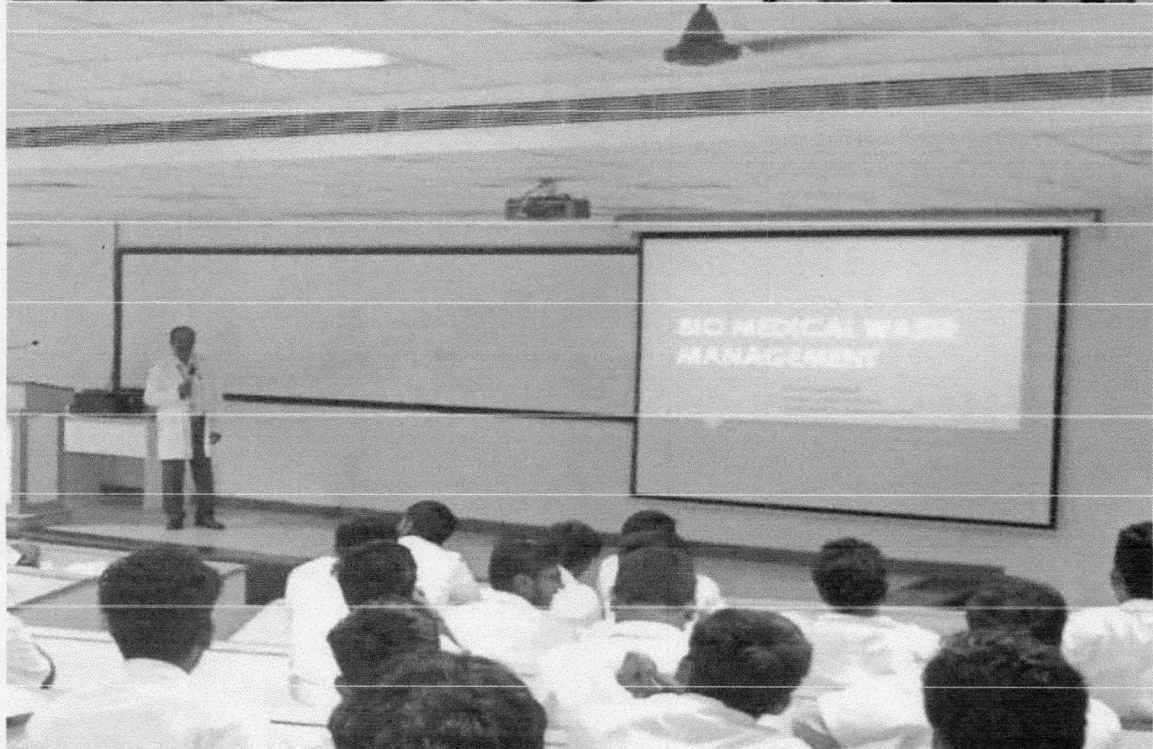
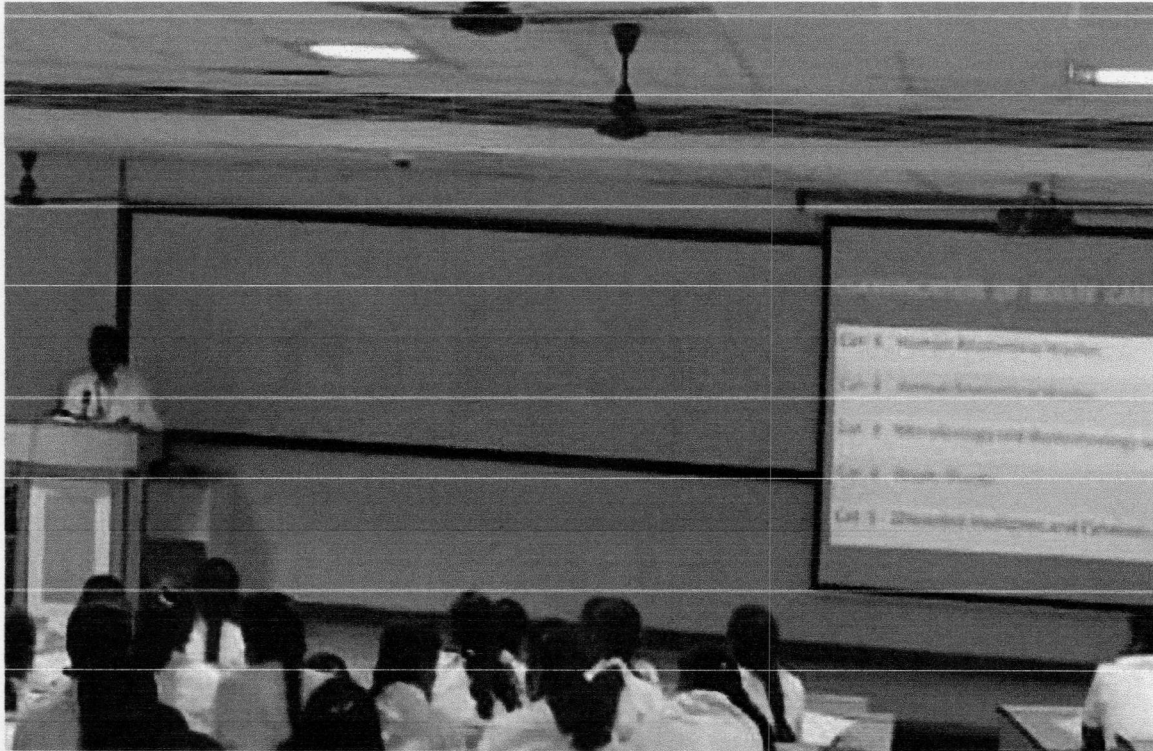
A post-test was conducted at 2.30 pm to assess the participants' understanding and retention of the topics covered during the seminar. At 2.45 pm, students were invited to provide their feedback on the seminar. The seminar concluded with a concluding note from Dr. A. Ramesh at 3.00 pm. Dr. Ramesh summarized the key takeaways from the seminar and encouraged the participants to implement the knowledge gained in their respective healthcare practices.

Time	Topic	Speaker
9.00 am	Inauguration	
9.15-9.30 am	Pre-Test	
9.30 am	Introduction	Dr. A.Ramesh MD , Professor, Microbiology
9.45 am	Biomedical waste segregation and types	Dr. T.Rajendran MD , Professor, Microbiology
10.45 am	Tea break	
11.00 am	Segregation of BMW especially in OT	Dr.Vithiya MD, Assistant Professor, Microbiology
12.30 pm	Lunch break	
1.30 pm	Spill management	Dr. T.Rajendran MD , Professor, Microbiology
2.30 pm	Post test	
2.45 pm	Students' feedback	
3.00 pm	Concluding note	Dr. A.Ramesh MD , Professor, Microbiology


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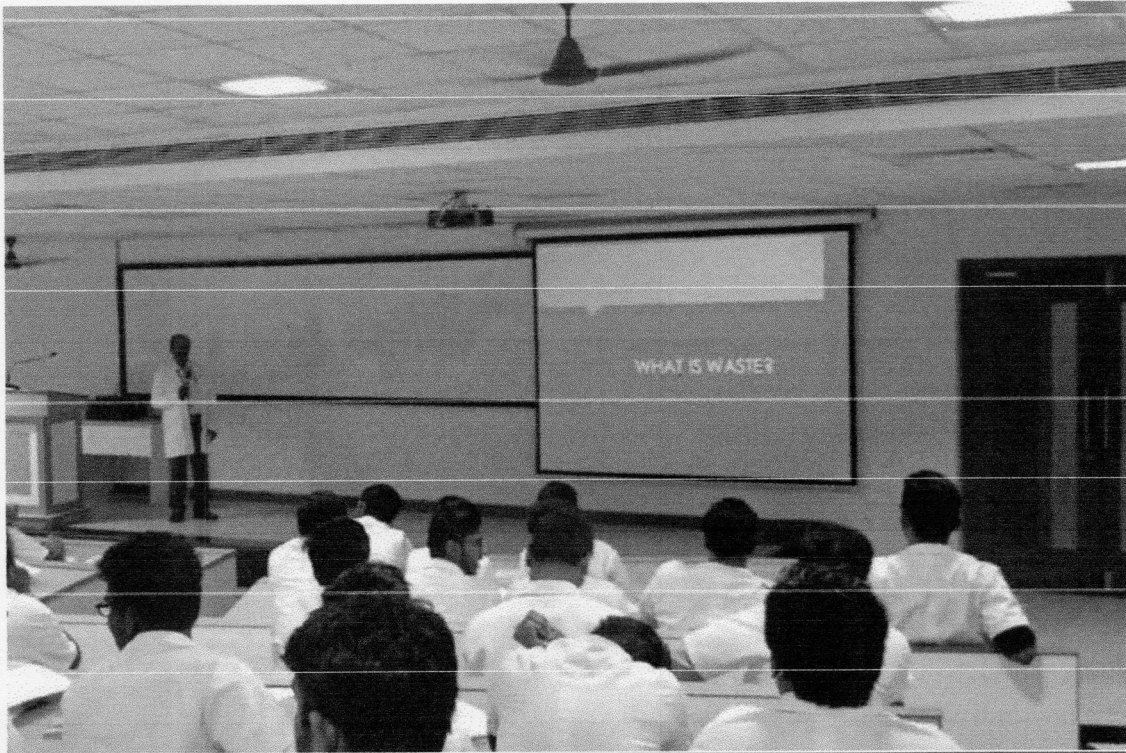
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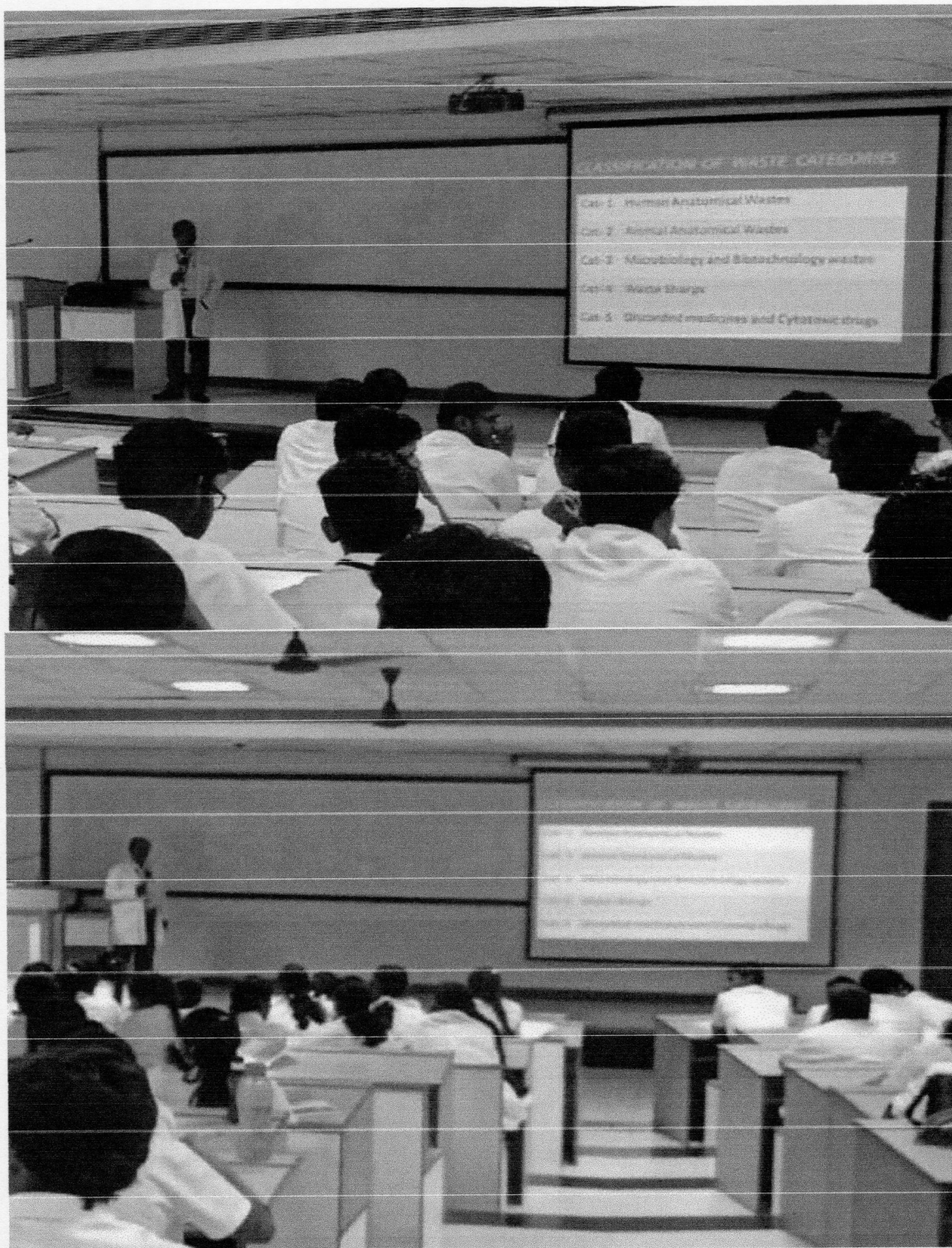
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Orientation Programme for Medical Incubators

Report

Date: 18.12.2020

Venue: Lecture Hall - 4

The Orientation programme for the medical incubator was conducted in the lecture hall – 4 of the Velammal Medical College Hospital & Research Center by the Research and Development Center. A total of 107 students from the final year undergraduate programme of the Velammal Medical College attended the orientation programme.

Dr. Kavitha, Professor, Department of ECE, Velammal College of Engineering Technology, Madurai, consented to be resource person for the programme. Dr. Anu.S coordinator, R&D department welcomed the gathering and highlighted the importance of R&D. The resource person highlighted the importance for incubators, past performances, progresses about the various incubator programmes and their status in the field of science and technology.

Dr. Kavitha stressed the importance of startup India and the various incentives offered by the Government of India to kindle the spirit of entrepreneurship among the prospective graduates from the various academic institutes of India. The concept of incubator in the medicine field a new approach was introduced to the students with successful examples from the Sri Chithra Thirunal Institute, Trivandrum.

The resource person highlighted a detailed list about the various opportunities for funding from the various funding programmes focusing on entrepreneurial ventures.

The students were given a detailed outline about the current status of the various efforts of the India's Scientific achievements, short comings, improvement areas and success stories from ISRO (Indian Space Research Organization) to CSIR (Council of Scientific and Industrial Research).

Dr.Jhansi Charles, Co-ordinator, Research and Development center presented the momento to the resource person Dr. Kavitha and Dr. Pravin Raj Solomon.S, Secretary, R&D Center proposed the vote of thanks.

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The students were evaluated about their awareness and knowledge about the medical incubator programme. Overall, the orientation programme turned out to be a grant success with sufficient knowledge imparted about the future prospects of self-employment and entrepreneurship.

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Felicitation of Dr. Kavitha - Introduction by Dr Anu

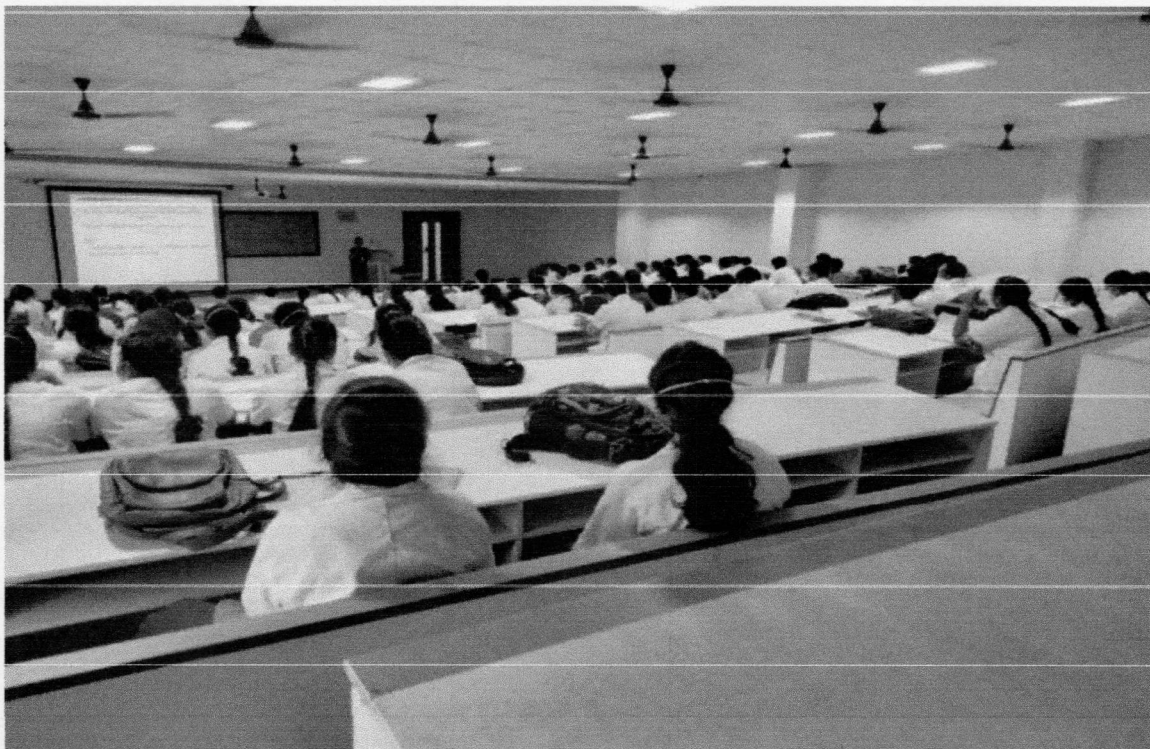
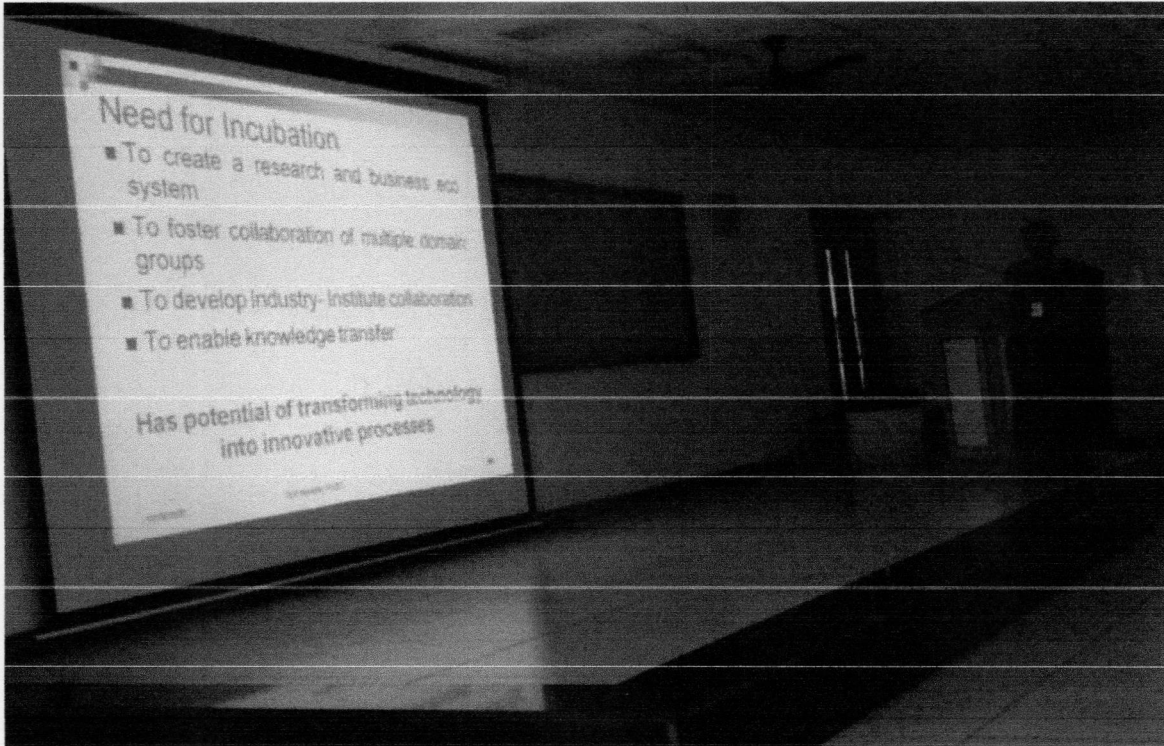


Research Incubators & startups – Dr. Kavitha

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CME programme - History and types of IPR

Report

The CME programme on intellectual property rights was conducted by the Research and Development center in the III floor auditorium of the Velammal Medical College Hospital & Research Institute on 13.01.2021(Wednesday). The Intellectual property rights and its importance in the medical field in times of COVID-19 pandemic were dealt in detail by the various resource persons.

A total of four resource persons including two eminent scientists (Dr. Aruldas Kanthiah and Dr. Samuel Paul Raj), one resource person from Madurai Kamaraj University (Dr. T.Jebasingh) and one internal resource person from Velammal Medical College Hospital & Research Institute (Dr. Pravin Raj Solomon) participated in the programme.

The CME programme was attended by 170 members of the VMCH & RI including staffs and students. The programme started with the welcome address by Dr. S.Anu, Coordinator, Research and Development Centre. Mementos were distributed to the resource persons by Dr. Rajamuthiah, Vice Chairman, Dr. Thirunavukarasu, Dean and Dr. Mohanty, Vice Principal.

Dr. Aruldas Kanthiah, Senior Scientist, Rtd, Heavy Water Board, Govt. of India, gave the felicitation address in which he stressed the importance of the Intellectual Property Rights and its role in the Scientific and Economic Development. The Honourable Dean of VMCH&RI, Dr. Rajamuthiah gave the inaugural address in which he highlighted the importance of the Intellectual Property Rights and its current relevance in the field of medical research.

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Dr. Samuel Paul Raj, Advisor, International Foundation of Science introduced the Intellectual Property Rights and its current status in an Indian perspective. Dr. Jebasingh, Assistant Professor, Department of plant sciences, Madurai Kamaraj University introduced the audiences to the cutting-edge areas in the field of Intellectual Property Rights and its applications, implementations, procedural advances, and ramifications.

The third resource person Dr. Pravin Raj Solomon, Assistant Professor, Research and Development Center, Velammal Medical College Hospital & Research Institute introduced the audience the history of the intellectual property rights and the importance of international agreements such as GATT (General Agreement on Tariffs and Trade), TRIPS (Trade-Related Aspects of Intellectual Property Rights) and Trade related international bodies such as WTO (World Trade Organization).

Latest developments in medicine like NANOSE (Artificial Nose) were discussed in the CME. The vote of thanks was addressed by Dr. Jhansi Charles, Coordinator, Research and Development Center, Velammal Medical College Hospital and Research Institute.

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Inaugural address - Dr. Rajamuthiah, Dean, VMCH&RI

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Dr. S. Anu, Coordinator, Research and Development Centre



**Dr. Aruldas Kanthiah, Senior Scientist (Rtd), Heavy Water Board, Gol -
felicitation address**

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Prof. T. THIRUVANKARASU, M.D., D.A.,
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Dr. Jebasingh, Assistant Professor, Department of plant sciences, Madurai

Kamaraj University

T. Thirumanjkarasu
Prof. T. THIRUMANJIKARASU, M.D., D.A.
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Velammal Medical College Hospital and Research Institute

Date: 09.04.2021

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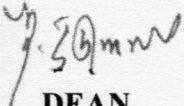
To

All Doctors

Workshop on Laboratory Risk Management

Department of Biochemistry is organizing a workshop on Laboratory Risk Management on 16.04.2021 (Friday) between at 8.00 AM to 4.00 PM.

All Faculties are invited.


DEAN

Copy submitted to:

The Hon. Chairman

Copy to:

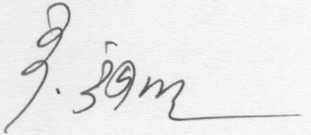
Vice Principal

Medical Superintendent

Chief Administration Officer

HOD, Biochemistry

All Clinical and Non-Clinical HODs



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**VELAMMAL MEDICAL COLLEGE
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Anuppanadi, Madurai - 625009

Invitation
Faculty Development Programme

Laboratory Risk Management

Venue: Demo Room I, Dept. of Biochemistry

Date: 16.04.2021 (Friday)

**PATRON
CHAIRMAN**

Mr.M.V.Muthuramalingam
Dean

Dr.Thirunavukarasu
MS

Dr.S.C.Ganesh Prabhu
VICE PRINCIPAL
Dr.P.K.Mohanty

**ORGANIZING COMMITTEE
LAB DIRECTOR**

Dr.P.K.Mohanty
Professor & HOD
Department of Biochemistry

QUALITY MANAGER

Dr.K.SUGANTHY

ORGANIZING SECRETARY

Dr.A.Hariharan
Associate Professor
Department of Biochemistry

Department of Laboratory services, VMCH&RI

AGENDA

Timings	Topics	Speaker
9.00 AM – 09.45 AM	Overview of Risk Management	Dr.P.K.Mohanty
09.45 AM – 11.00 AM	Risk Identification	Dr.K.Suganthy
11.00AM-12.00 NOON	Group exercise - 1	Dr.K.Suganthy
12.00NOON-12.30PM	Risk evaluation	Dr.A.Hariharan
12.30-1.00PM	Group exercise - 2	Dr.A.Hariharan
1.00-2.00PM	Lunch	
2.00-2.30 PM	Risk Control	Dr.K.Suganthy
2.30-3.00PM	Group exercise – 3	Dr.K.Suganthy
3.00-3.30 PM	Documentation	Dr.A.Hariharan
3.30-3.45 PM	Q&A	All Faculty
3.45-4.00 PM	Vote of Thanks	Dr.K.Suganthy

Prof. T. THIRUNAVUKARASU
T. Thirunavukarasu
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Anuppanasi, Villupuram-605 001, T.N.



Velammal Medical College Hospital and Research Institute

Department of Biochemistry

Report on Laboratory Risk Management programme

Topic: Laboratory Risk Management

Date: 16.04.2021

Venue: Biochemistry Demonstration Room I

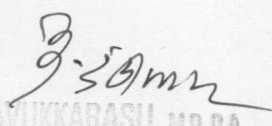
Target audience: Faculties

Number of participants: 21

Event Report: The Biochemistry Department of Velammal Medical College Hospital and research Institute has conducted a Risk Management Programme on March 10th, 2023. Dr. P.K. Mohanty gave the welcome speech. The program covered topics such as risk identification, risk evaluation, risk control, and documentation. Dr. K.Suganthy discussed the importance of identifying potential risks, risk control and Dr.A.Hariharan conducted the session on risk evaluation and documentation. Participants were encouraged to identify risks in their research projects and share their findings. The program was a valuable opportunity for the faculty members to learn about risk management and its significance in their field of work. The programme was ended with vote of thanks by Dr. K. Suganthy.

Photo:




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Dr. Pravin Raj Solomon, Assistant Professor, Research and Development Center



Dr. Jhansi Charles, Coordinator, Research and Development Center

Prof. T. *T. S. Solomon*
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