Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals

Salem – 636308.

Vinayaka Mission's Research Foundation (Deemed to be University)

Institutional Research Committee (IRC) &

Central Research Laboratory for Biomedical Research

Workshop on Basics of Medical Research

"07.05.2022"

Report of Workshop on Basics of Medical Research

Prepared by

Dr. B. Senthil Kumar,
Head - Central Research Laboratory for Biomedical research,
Research Co-Ordinator,
VMKV Medical College & Hospitals, Salem

Report Preparation date – 12/05/2022.

Dr. B. Senthil Kumar
Head-CRL
Research Co-ordinator

Dr. B. SENTHIL KUMAR, Ph.D.,
Research Co-ordinator
Head, Central Research Laboratory for Biomedical Research
VMKV Medical College & Hospitals
SALEM-636 308

Dr. K. Ezhil Vendhan
Dean,
VMKVMCH

Prof. Dr. K. Ezhil Vendhan, M.S.,
Dean
Vinayaka Mission's Kirupananda
Variyar Medical College & Hospitals
Seeragapadi, Salem 636 308.

Workshop on Basics of Medical Research

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Invitation
Workshop on Basics of Medical Research

Program Title - "Workshop on Basics of Medical Research"

Organized by Institutional Research Committee (IRC) & Central Research Laboratory for Biomedical Research, VMKVMCH, Salem.

Date – 07.05.2022.

Workshop on Basics of Medical Research
Inauguration

Welcome Address **Prof. Dr. C. Rajasekaran,** PG Co-ordinator, Professor, Department of Surgery.	09:00AM - 09:05AM
Inaugural Address **Prof. Dr. Deepti Shastri,** Deputy Dean.	09:10AM - 09:15AM
Vote of Thanks **Dr. B. Senthil Kumar,** Head – CRL / Research Co-ordinator.	09:15AM

Workshop on Basics of Medical Research

Program Schedule

S. No	Date	Time	Topic	Resource person
1.	07.05.2022	09:15-09:45AM	Research Methodology – Introduction Research Hypothesis, Research Question, Study Designs.	**Dr. S. Sangeetha,** Professor & HOD, Dept of Community Medicine. **Dr. M. Vijayakarthikeyan,** Assistant Professor, Dept of Community Medicine.
2.	07.05.2022	09: 45-10:15AM	Basics of Statistical Analysis, Sampling framework and methods & Descriptive Statistics Table/Graphs /Charts.	**Dr. Madhu Balan V.G,** Senior Resident, Dept of Community Medicine.
3.	07.05.2022	10:15-10:45AM	Research Misconduct / Research Ethics.	**Dr. Deepti Shastri,** Deputy Dean, Professor, Dept of Anatomy.
4.	07.05.2022	10: 45-11:30AM	Research Protocol Writing / Dissertation Writing.	**Dr. Seethalakshmi G.V,** Professor & HOD, Dept of Skin & STD.
11:30AM – 11:45AM Tea Break				
5.	07.05.2022	11:45AM-12:15PM	Research Database – Literature search & Review.	**Dr. Lovlingaarthy Maria,** Assistant Professor, Dept of Community Medicine.
6.	07.05.2022	12:15-12:45PM	Research Metrics.	**Dr. B. Senthil Kumar,** Head-Central Research Laboratory.
7.	07.05.2022	12:45-01:15PM	Scientific Writing.	**Dr. Sheela Joice P.P,** Associate Professor, Dept of Physiology.
01:15PM - 02:15PM Lunch Break				
8.	07.05.2022	02:15-02:45PM	Article publications in indexed Journals / What does a reviewer look into manuscript.	**Dr. Prema Priya,** Associate Professor, Dept of Obstetrics & Gynaecology.
9.	07.05.2022	02:45-03:15PM	Reference Management tools - Mendeley, Zotero & Endnote – Demonstration.	**Dr. Nirmal Sujitha I.J,** Assistant Professor, Dept of Community Medicine.
10.	07.05.2022	03:15-03:45PM	Creating Own Research Profile - Google Scholar, Research Gate, Orcid, Publons, Vidwan Portal, Google site etc.,- Demonstration.	**Dr. B. Senthil Kumar,** Head-Central Research Laboratory.
11.	07.05.2022	03:45-04:15PM	Application of MS Word & Excel sheet, Google Forms, Google Sheet, Google Slides, Gantt Chart for researchers – Demonstration.	**Dr. S. Arulprakash,** Assistant Professor, Dept of Community Medicine.

Workshop Model Certificate

VINAYAKA MISSION'S RESEARCH FOUNDATION

VINAYAKA MISSION'S KIRUPANANDA VARIYAR MEDICAL COLLEGE & HOSPITALS

Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem

Vinayaka Mission's Research Foundation (Deemed to be University)

Institutional Research Committee (IRC) & Central Research Laboratory for Biomedical Research

Certificate of Participation

This is to certify that **Dr. Jithesh Kumar S** has participated in the Workshop titled **"Basics of Medical Research"** organized by **Institutional Research Committee (IRC) & Central Research Laboratory for Biomedical Research, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem,** held on **07.05.2022**.

Dr. B. Senthil Kumar	Dr. Deepti Shastri	Dr. E. M. J. Karthikeyan	Dr. S. R. Ranga Bashyam	Dr. K. Ezhil Vendhan
Head-CRL	Deputy Dean	Director- HDC	Medical Superintendent	Dean

Resource Person Details

Session - 1

Topic: Research Misconduct / Research Ethics.

Date: 07.05.2022 **Time:** 09:15-09:45AM

Resource Person

Dr. Deepti Shastri,

Qualification – M.S (Anatomy),

Designation – Deputy Dean, Professor,
Department of Anatomy,
Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Session - 2

Topic: Research Methodology – Introduction Research Hypothesis, Research Question, Study Designs.

Date: 07.05.2022 **Time:** 09: 45-10:15AM

Resource Person

Dr. M. Vijayakarthikeyan,

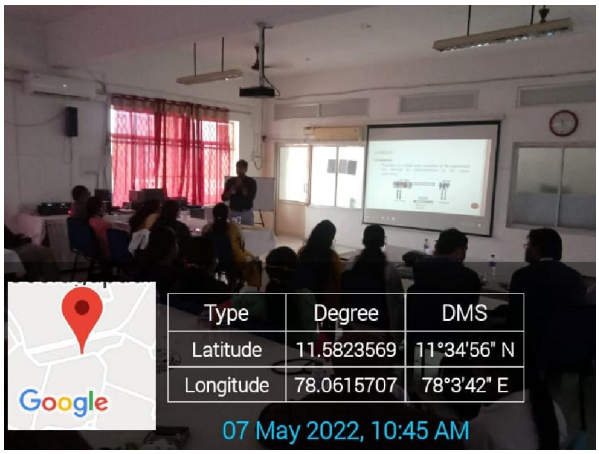
Qualification – M.D, (Community Medicine).

Designation – Assistant professor,
Department of Community Medicine
Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Session - 3

Topic: Basics of Statistical Analysis, Sampling framework and methods & Descriptive Statistics Table /Graphs /Charts.

Date: 07.05.2022 **Time:** 10:15-10:45AM



Resource Person

Dr. Madhu Balan V.G,
Qualification – M.B.B.S,
Designation – Senior Resident,
Department of Community Medicine
Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Session - 4

Topic: Research Protocol Writing / Dissertation Writing.

Date: 07.05.2022 **Time:** 10: 45-11:30AM

Resource Person

Dr. Seethalakshmi G.V,
Qualification –
Designation – Professor & HOD,
Department of Skin & STD,
Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Session - 5

Topic: Research Database – Literature search & Review.

Date: 07.05.2022 **Time:** 11:45AM to 12:15PM

Resource Person

Dr. Lovling Aarthy Maria,
Qualification – M.B.B.S, M.D,
Designation – Assistant professor,
Department of Community Medicine
Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Session - 6

Topic: Research Metrics.

Date07.05.2022 **Time:** 12:15 to 12:45PM

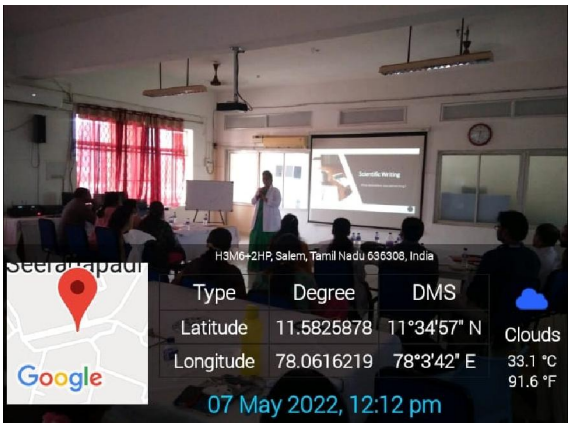
Resource Person

Dr. B. Senthil Kumar,
Qualification – Ph.D (Anatomy),
Designation – Head-CRL, Assistant professor,
Department of Anatomy,
Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Session - 7

Topic: Scientific Writing.

Date: 07.05.2022 **Time:** 12:45 to 1:15 PM



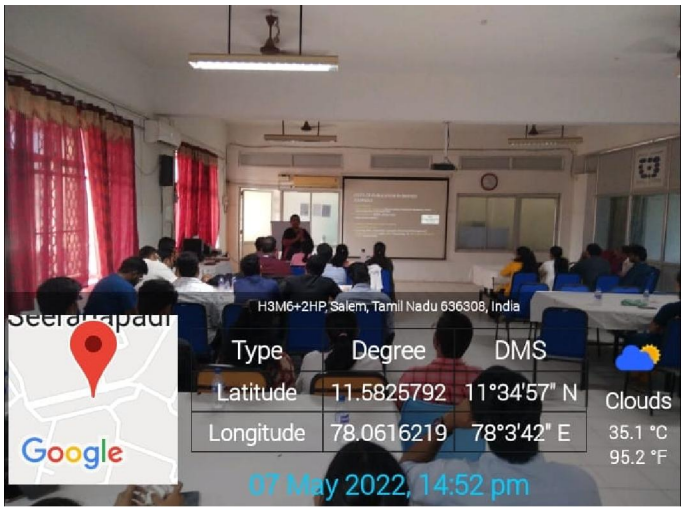
Resource Person

Dr. Sheela Joice P.P,
Qualification – PhD (Medical Physiology)
Designation – Associate Professor, Department of Physiology.
Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Session - 8

Topic: Article publications in indexed Journals / What does a reviewer look into manuscript.

Date: 07.05.2022 **Time:** 02:15-02:45PM



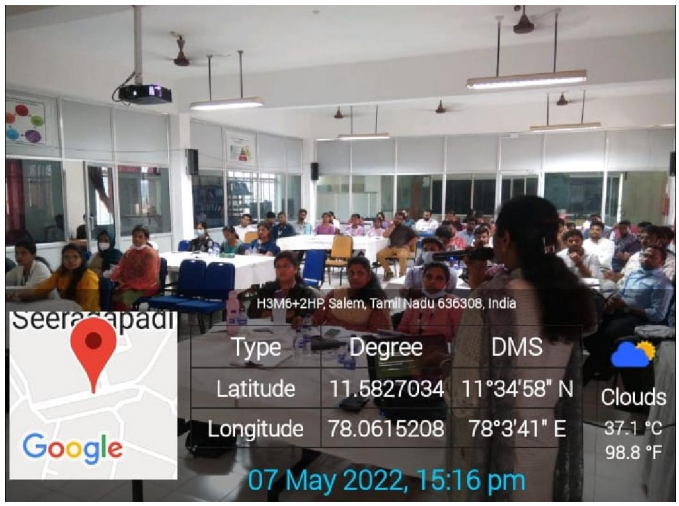
Resource Person

Dr. Dr. Prema Priya,
Qualification – MD (OBG)
Designation – Associate Professor, Dept of Obstetrics & Gynaecology.
Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Session - 9

Topic: Reference Management tools - Mendeley, Zotero & Endnote – Demonstration.

Date: 07.05.2022 **Time:** 02:45-03:15PM



Resource Person

Dr. Nirmal Sujitha I.J,

Qualification – M.D, (Community Medicine).

Designation – Assistant Professor, Dept of Community Medicine.

Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Session - 10

Topic: Creating Own Research Profile - Google Scholar, Research Gate, Orcid, Publons, Vidwan Portal, Google site etc., - Demonstration.

Date: 07.05.2022 **Time:** 03:15-03:45PM

Resource Person

Dr. B. Senthil Kumar,

Qualification – Ph.D (Anatomy),

Designation – Head-CRL, Assistant professor,

Department of Anatomy,

Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Session - 11

Topic: Application of MS Word & Excel sheet, Google Forms, Google Sheet, Google Slides, Gantt Chart for researchers – Demonstration.

Date: 07.05.2022 **Time:** 03:45-04:15PM

Resource Person

Dr. S. Arulprakash,

Qualification – M.D, (Community Medicine).

Designation – Assistant Professor, Department of Community Medicine.

Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

VINAYAKA MISSION'S
KIRUPANANDA VARIYAR
MEDICAL COLLEGE & HOSPITALS

VINAYAKA MISSION'S KIRUPANANDA VARIYAR MEDICAL COLLEGE & HOSPITAL, SALEM – 636308

CENTRAL RESEARCH LABORATORY FOR BIOMEDICAL RESEARCH

"Workshop on Basics of Medical Research" was organized by Institutional Research Committee (IRC) & Central Research Laboratory for Biomedical Research, VMKVMCH, Salem.

Date – 07.05.2022

Venue – Medical Education Unit

Total no. of participants attended the workshop – 61

Resource Person - 1

Dr. Deepti Shastri, Deputy Dean, Professor, Department of Anatomy, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Resource Person – 2

Dr. M. Vijaya Karthikeyan, Assistant professor, Department of Community Medicine Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Resource Person - 3

Dr. Madhu Balan V.G, Senior Resident, Dept of Community Medicine. Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Resource Person – 4

Dr. Seethalakshmi G.V, Professor & HOD, Dept of Skin & STD. Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Resource Person – 5

Dr. Lovling Aarthy Maria, Assistant professor, Department of Community Medicine Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Resource Person – 6

Dr. B. Senthil Kumar, Head-CRL, Assistant professor, Department of Anatomy, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Resource Person – 7

Dr. Sheela Joice P.P, Associate Professor, Department of Physiology. Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Resource Person – 8

Dr. Prema Priya, Associate Professor, Department of Obstetrics & Gynaecology. Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Resource Person – 9

Dr. Nirmal Sujitha I.J, Assistant professor, Department of Community Medicine Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Resource Person – 10

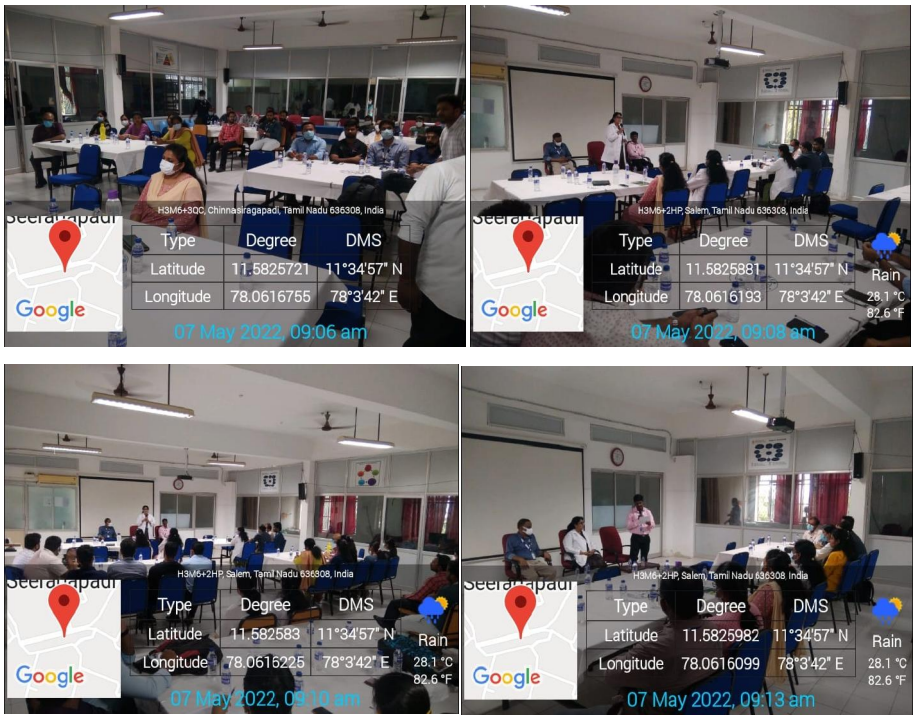
Dr. B. Senthil Kumar, Head-CRL, Assistant professor, Department of Anatomy, Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Resource Person – 11

Dr. Arulprakash S, Assistant Professor, Department of Community Medicine. Vinayaka Mission's Kirupananda Variyar Medical College & Hospitals, Salem.

Report on Basics of Medical Research Workshop:

- PG Co-ordinator, Dr. C. Rajasekaran, Professor, Department of Surgery, VMKVMCH had delivered the welcome address.
- Dr. Deepti Shastri, Deputy Dean, VMKVMCH, had delivered the inaugural address and inaugurated the workshop.
- Dr. B. Senthil Kumar, Research Co-ordinator, Head - Central Research Laboratory moderated the session for PGs, with an objective of giving an orientation about Basics of Medical Research.
- Total of 61 participants from VMKVMCH, Salem had participated in the workshop.
- e-certificates was given to all PGs who had attended all the sessions.



Workshop on "Basics of Medical Research"
Participants List

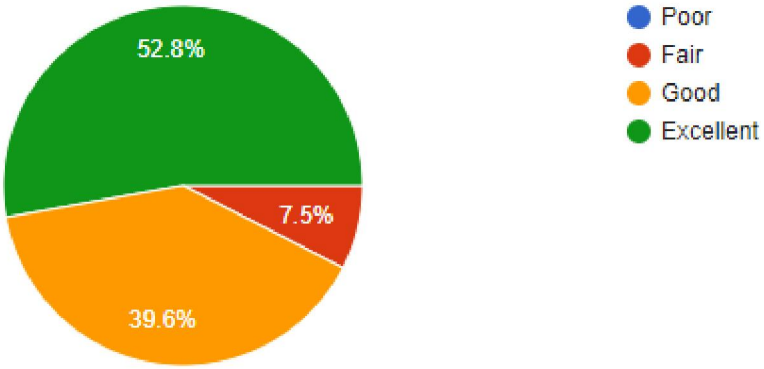
S. No.	Name of the Participants
1.	Dr. Jithesh Kumar S
2.	Dr. K. S. Nanthivarman
3.	Dr. Gokul. S
4.	Dr. Sagana
5.	Dr. Nithya Devi B
6.	Dr. Suraj Sasidharan
7.	Dr. Nivedha V
8.	Dr. Kiran K. Varghese
9.	Dr. R.Vinodini
10.	Dr. Lavanya S
11.	Dr. Devireddy Santosh Reddy
12.	Dr. Zulfath Moideen
13.	Dr. Bonala Rajesh
14.	Dr. Binayak Bibek Das
15.	Dr. Arun Joe Eldow
16.	Dr. Kanya S A
17.	Dr. Vandana Sanjoy Mishra
18.	Dr. Rishikesh Gowtham
19.	Dr. Anjana R
20.	Dr. Ayush Lall
21.	Dr. Delna Sunny
22.	Dr. Pranay Chittimalla
23.	Dr. G. Dalia
24.	Dr. Nivya M
25.	Dr. Vani
26.	Dr. S. Swathika
27.	Dr. Pillutla Sai Sareen Srivastav
28.	Dr. Anupritha
29.	Dr. Arvindh Krishnan E
30.	Dr. Aditya M
31.	Dr. C. Sahaya Jency
32.	Dr. Navya Sree Pothireddy
33.	Dr. Lavanya B
34.	Dr. K. Divya
35.	Dr. B. Sampath Kumar
36.	Dr. Arsi Remanan
37.	Dr. Raghavendra C R
38.	Dr. Subashini P
39.	Dr. Raja Ram Kommisetti
40.	Dr. Jashaswini Nanda
41.	Dr. Pranit Bikkad
42.	Dr. Bavisetti Srikar
43.	Dr. Shebin Christin I
44.	Dr. Nivethitha Senthilkumar
45.	Dr. G. Hamsini Devi
46.	Dr. Sindhujadevi
47.	Dr. Mahesh G. Patil
48.	Dr. A. Mukesh Raj
49.	Dr. Pateel Varun Kumar
50.	Dr. Chanjal K S
51.	Dr. Dinesh Babu S G
52.	Dr. Syed Abthahir S
53.	Dr. Swadika N
54.	Dr. Premnath R
55.	Dr. Divyasri T
56.	Dr. Dhaya Prasanth
57.	Dr. Adhithi Sugavanam
58.	Dr. Sheel Chhajed
59.	Dr. Somejoy Moitra
60.	Dr. Sampath Kumar
61.	Dr. Srinivasa Reddy

Program Evaluation Report / Feedback

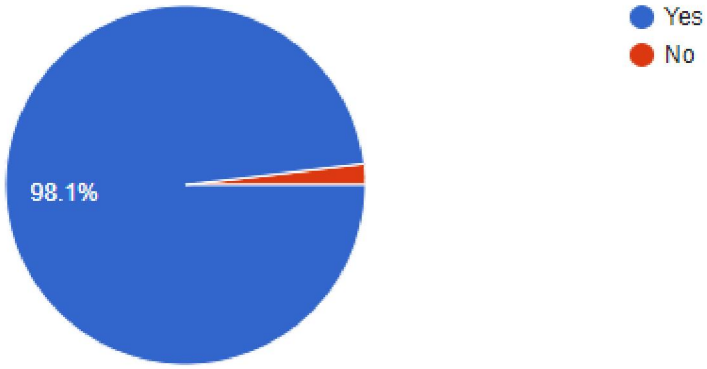
Workshop on "Basics of Medical Research"

Total Response: 61

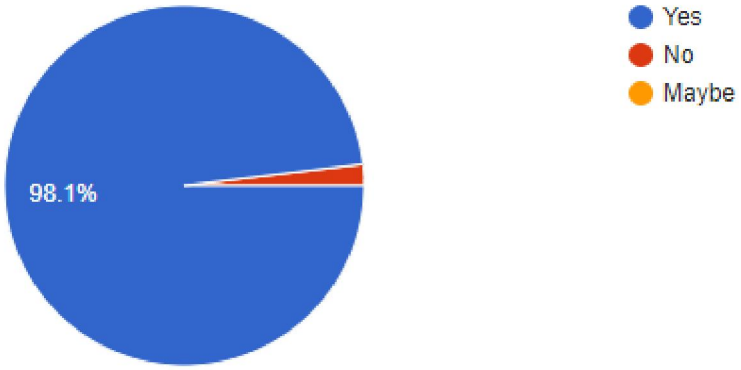
1. What is your overall assessment of the webinar?



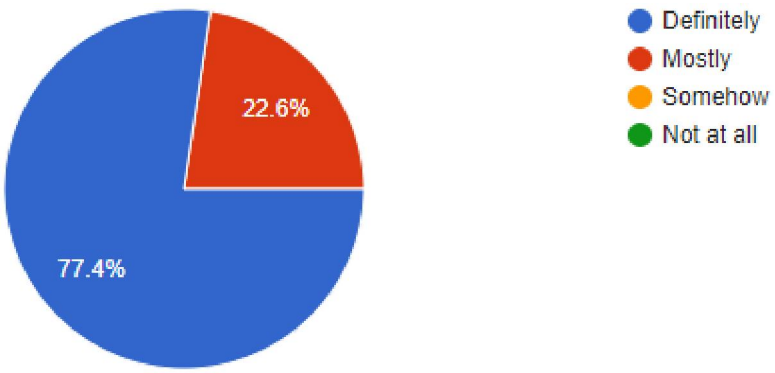
2. Did the webinar achieve its objectives?



3. Did the Knowledge and information gained from participation in this webinar had meet your expectations?



4. Will the knowledge and information gained from participation in this webinar be useful / applicable in your work in the future?



5. Which topics or aspects of the webinar did you find most interesting or useful?

- Scientific writing
- Indexing
- How to publish the dissertation
- Almost everything
- Making and Publishing journal
- regarding publication
- Class by Dr.Senthil
- Publication methods
- Literature search
- Research matrices
- Manuscript writing
- Journals
- Finding whether it's Scopus or WOS indexed
- publication
- Ethics
- Metrics for publication
- Impact factor and indexing
- Impact factor & plagiarism
- Research metrics, Article publication in indexed journal
- Metrics
- Article publication in indexed journals
- Senthi sir's talk on journals - web of science and scopus
- Research protocol and dissertation writing, research metrics, article publication in journal
- Dissertation writing and research ethics
- How to write a Paper
- Scientific writing
- Web of science ,ethics
- Publishing criteria
- Research article and journal publications
- All of them
- All the sessions were good

- Research metrics
- Writing a manuscript
- Life cycle of publication
- About database
- Scientific writing, reference citing
- Journal metrics.
- Protocol writing
- Every topic which was taken served its purposes.
- Session by Dr. Senthil Kumar about Indexed Journals
- Information about journals

6. What were the biggest strengths of the webinar?
   - Everything
   - They interact with us that is biggest strength according to me..
   - In depth knowledge
   - Systematic approach
   - Gained knowledge
   - Interactive session
   - Eminent faculties
   - Explanation
   - Cleared most of my doubts
   - Resource person
   - Interactive session
   - Interacting section
   - Discussing about the indexed journals
   - Good faculty
   - Experienced professors
   - Conducted in our college
   - Research ethics
   - Concise presentation
   - Excellent faculties
   - Explanation with slide
   - We got to know many new things about research and publication
   - Topics and resource persons
   - Simplified and to the point
   - Covering all aspects of research
   - Simple language and live demonstration
   - Lectures
   - Understanding students mind
   - Trained faculty
   - Publication & reference, plagiarism

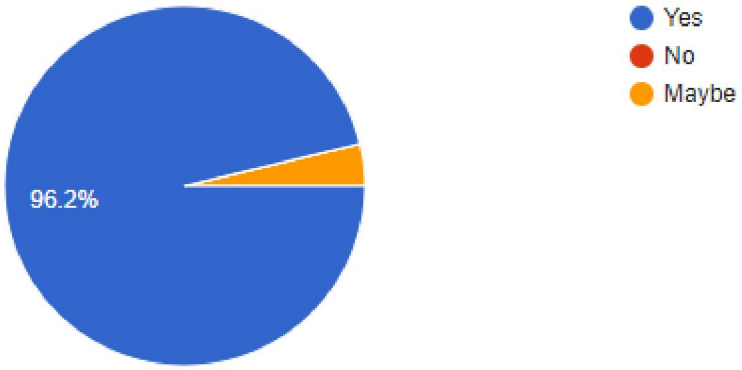
- The content of all presentations were apt to the need of the hour, guiding PGs to take up research and how to go about publications
- Well organized
- Presentation and demonstration
- The way faculty were teaching.
- Collective efforts from the staffs
- Covering overall view of publication in short time
- Gave nice information about writing a manuscript

7. What were the biggest weaknesses of the webinar?

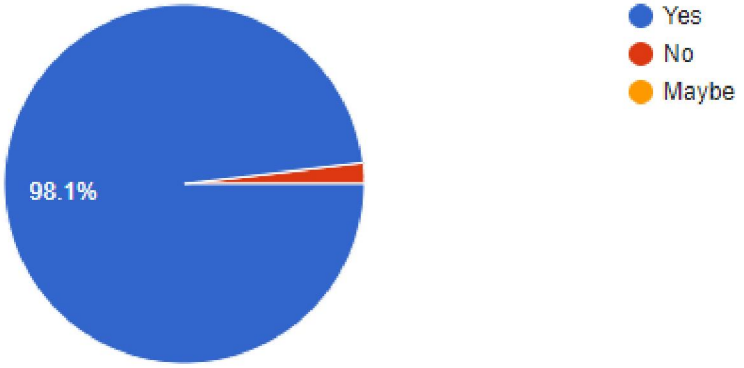
- Slides presentation is not visible for all the person because of small fronts...
- Too much information in a short duration
- Classes are overlapped on same day
- Continuous session.
- Time management
- Single day programme
- I didn't find any weakness
- Conducted throughout the day
- Too much content in limited time
- Long duration
- Short session
- Short span of time
- Time constraint
- Resource person - speaking in Tamil
- Continuous class
- Long hours
- Could have split into 2 days
- All sessions being held in a same day
- Too many sessions on same day
- All Versatile topics in a single day
- Short duration
- Time consuming and tiring
- Too much to take in a little time
- It is unfortunate that it got shrunk to a single a day program
- Short duration
- Time management
- Not adequate break
- Limitation of time
- Exhausting
- Less time, would have been better in 2,3 sessions
- Time duration

- Completed in short time

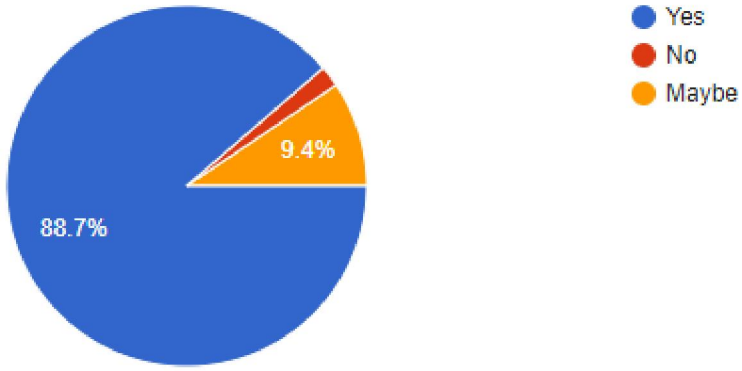
8. Did you like the presentation style of the resource persons?



9. Did the training session accommodate your personal learning style?



10. Were the training activities engaging?



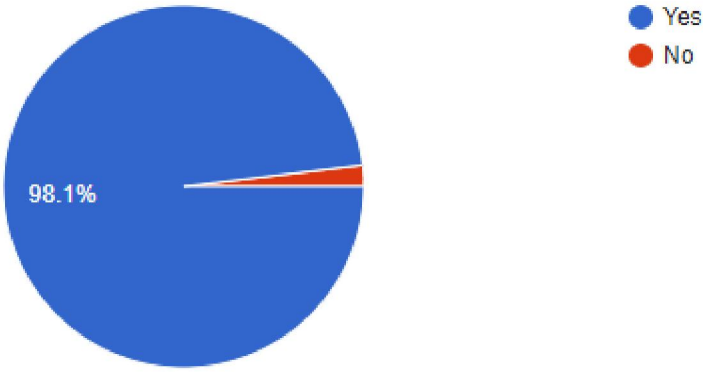
11. What are the three most important things that you learned from this webinar?

- Where to publish how to publish why to publish
- Statistics, misconducts, indexed journals
- Cite score, impact factor, journal types q1
- How to formulate , approach and prepare a paper
- How to publish, where to publish and how to avoid plagiarism
- Impact factor , choosing the journals , reference management
- Writing, compiling and publishing research papers
- Ethics, preparation of a publication, knowledge about different journals
- Dissertation publication references

- How to select a indexed journal, how to publish and to write discussion
- Regarding what journal to put 2.refrence ideas 3.manage money for publication
- Research protocol, excel, scientific writing
- Research matrix, reference management, statistical analytics, plagiarism
- How to publish a journal
- About publishing journals
- Publishing a paper
- What to do, how to do and what not do
- How to publish, why to publish, when to publish
- Difficulty of publication
- Need for index, index power, methodology
- Ethics rules of publication tips for hassle free publication
- Indexing impact factor and citation factor manuscript writing
- Research publication
- Citation index, how to write a journal, google sheets
- To select proper article , authorship , ethics
- Understood the various journals about impact factor and plagiarism
- Article making, publication details,presentation
- Research ethics dissertation writing publication work
- Indexed journals, google forms, how to write a paper
- Impact factor , reference citing ,sample selection
- Regarding publication in indexed journal, how to search journal in scopus and web of science,
- Principles and how to publish a paper.
- Finding an indexed journal reference management style finding the rating of a journal.
- Helpful for publication information about statistics
- 1)all should contribute to research, 2) publication can be made easy with the right guidance 3) make the methodology before introduction
- Ethics, conducting a research and it's usefulness
- Study methods, data analysis, literature search & review and most importantly where and how to publish our research articles
- How to write thesis, what to do to publish a paper, how to search for indexed journal
- Concepts ,steps to form protocols, writing paper
- Plagiarism, data collection, source
- Publish the journal write reference about database
- Softwares for references and how to use google forms n sheets in our research
- How to publish an article, in which journal to publish.what criteria to see in a journal to publish.
- How to write research paper,literature review and analysing the results
- Scientific research, references, methodology
- Scientific writing,index journal search, plagiarism check
- What are all the indexed journals how to write scientific paper reference apps like mendeley

- Writing of manuscript, publication in indexed journals, information about journals.

12. Do you think that the webinar is successful?



13. How do you think the webinar could have been made more effective?

- Webinar is more effective.. according to me the room was filled with 60-70 PPL... AC cooling was not that much...
- Sessions could have conducted in multiple days
- This session is more informative
- Should have take at least in 2 days
- Pictorial representation
- If it was done in 2-3 days
- Multiple day session
- multiple sessions would have been more better
- Split timetable and class in first year
- By including suggestions of some journals with reasonable acceptance rate...speciality wise if possible
- Excellent
- Could have been Split into 2 day workshop
- By speaking only in English as other state students are also attended session
- More short breaks
- Could have been kept in our first yr/earlier as possible...
- It would have been better if it was conducted when we were in 1st year
- With hands on session
- One topic for a day . Even through online
- Could have been short
- Spread out classes, with time for small individual projects
- can be for 3 days
- 2 days session
- If only we had more time to have hands on sessions it would have great
- More depth of the topics
- Split in to two days session
- By making us to do few activities in live(usage of Word,Excel..)
- By elaborating the time
- By increasing the number of days

- More time for hands on training
- Can be divided into 2 days

14. Comments and suggestions (including activities or initiatives you think would be useful, for the future)
    - It was nice and good
    - More breaks
    - PPT of each presentation
    - Conduct for webinar like this
    - Great informative session
    - Time organization
    - Expecting more classes
    - Interactive sessions
    - Make more interactive with questions and answer section
    - General suggestions on feasible research topics to select...taking into consideration the competition for publishing in Scopus, pub med and web of science indexed journals
    - Class can be divided
    - More activities in-between
    - Made it easy and understandable for future use
    - Organizing workshop in 2 days
    - To split up sessions
    - Some lectures are vague about community medicine rather than how to applying in research
    - Interaction session by deputy dean mam was good
    - Plan for small group projects over weekly classes, maybe 4
    - Hands on training
    - Once in a yr session
    - Please conduct frequent sessions including all pgs
    - Better to do little more interactive..,with some previous reference and research
    - Hands on activity with ssps
    - Can be taken in 3 sessions.otherwise workshop is very useful.
    - Hands on training
    - It was an very informative and engaging sessions,
    - Could have been conducted early in first year
    - Wonderful presentation in a single day with more of information
    - Conduct one more session

15. Further comments and suggestions
    - We are looking forward for future workshop
    - It was innovative
    - Little short session
    - Resourceful

- This session is excellent
- Thanks for organising
- Various topics in various days will be much helpful..
- Very informative sessions
- Short sessions for better convenience
- Would have been more useful if the same session was taken by faculty one year back.
- It could have been conducted during the first year of our post graduation.
- Try to stick to English language
- Over all its good
- Kudos to the entire team for sharing their valuable knowledge with all of us .Thank you
- Could have been little short
- Thanks for the wonderful session
- More usage of white board can understand better
- Thanks for your efforts sir
- For coming postgraduates to conduct this type of sessions before selection of thesis topics
- Expecting your guidance for our paper and journal publication
- Conduct one more session