



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAL J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedi, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944.

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,
Principal

DATE:12/12/2022

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

REPORT

SEMINAR TITLE - FUNDAMENTALS OF BIOSTATISTICS AND HYPOTHESIS TESTING

VENUE: SEMINAR HALL

DATED: 10/12/2022

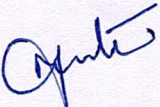
RESOURCE PERSON:

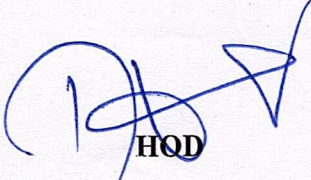
Dr. A. CHITRA., M. PHARM, Ph.D.
JKKMMRFS ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
KOMARAPALAYAM

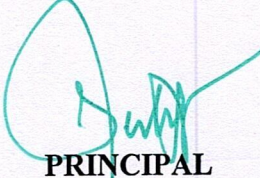
No. of students enrolled: 330

No. of students certified: 324

No. of students certified in our institution: 44


PROGRAMME
CO ORDINATOR


HOD


PRINCIPAL

Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.





J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmediu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944.

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,
Principal

Date: 06/12/2022

REF.NO: JKKM/PH/SEMINAR/REQ/2022/07

From

Department of Pharmaceutical Chemistry,
JKKMMRF'S Annai JKK Sampoorani Ammal College of Pharmacy,
Komarapalayam, Namakkal [Dist],
Tamil Nadu,
PIN:638183.

To

The Principal,
JKKMMRF'S Annai JKK Sampoorani Ammal College of Pharmacy.
Komarapalayam, Namakkal [Dist]
Tamil Nadu,
PIN:638183.

Respected Sir,

Subject: **Letter for requesting Permission to conduct seminar regarding:**

We are writing this letter to request permission to conduct a seminar in the Seminar Hall on 10/12/2022. We wish to conduct the seminar on **FUNDAMENTALS OF BIOSTATISTICS AND HYPOTHESIS TESTING**. We believe that this will be a very informative session that many students will wish to attend.

We request you to kindly permit to conduct training program as this would be a great opportunity for Students to learn all about **FUNDAMENTALS OF BIOSTATISTICS AND HYPOTHESIS TESTING** that would help to shape the students.

Looking forward for your approval.

Thank you


Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA,


Yours sincerely,





J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmediu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944.

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

CIRCULAR

This is to inform all the students of our college that the seminar on **Fundamentals of Biostatistics and Hypothesis Testing** for the academic year 2022-23 will be commenced on 10/12/2022 for all the batches. Hence request all the interested candidates to register for the seminar.

COURSE NAME	SCHEDULE	VENUE	RESOURCE PERSON
FUNDAMENTALS OF BIOSTATISTICS AND HYPOTHESIS TESTING	10/12/2022	SEMINAR HALL	DR.A.CHITRA

All the above-mentioned students must enrol and actively participate in the course without fail.

NOTE: Certificates should be issued to all the students after completion of the course and examination.

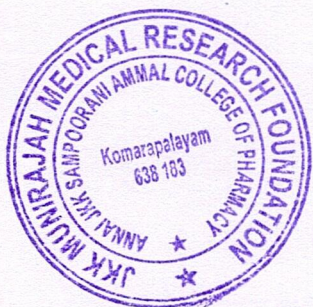
**PROGRAMME
CO-ORDINATOR**

HOD

PRINCIPAL

**Dr. N.SENTHILKUMAR,
PRINCIPAL**

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.





**JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL
COLLEGE OF PHARMACY, KOMARAPALAYAM**

**YOU ARE INVITED TO A
SEMINAR ON**

**FUNDAMENTALS OF BIostatISTICS AND
HYPOTHESIS TESTING**

Date: 12 DECEMBER 2022

VENUE: SEMINAR HALL

**RESOURCE PERSON: Dr. A. CHITRA, M. Pharm., Ph. D.,
Associate Professor**

**Department of Pharmaceutical Chemistry,
JKKMMRF's Annai JKK Sampoorani Ammal College of Pharmacy**



**Dr. N.SENTHILKUMAR,
PRINCIPAL,**

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,
ETHIRMEDU, KOMARAPALAYAM - 638 183,
NAMAKKAL DISTRICT, TAMILNADU.**



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAL J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmediu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu, India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944.

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

ABOUT THE TOPIC

FUNDAMENTALS OF BIostatISTICS AND HYPOTHESIS TESTING

Hypothesis testing (or statistical inference) is one of the major applications of biostatistics. Much of medical research begins with a research question that can be framed as a hypothesis. Inferential statistics begins with a null hypothesis that reflects the conservative position of no change or no difference in comparison to baseline or between groups. Usually, the researcher has reason to believe that there is some effect or some difference which is the alternative hypothesis. The researcher therefore proceeds to study samples and measure outcomes in the hope of generating evidence strong enough for the statistician to be able to reject the null hypothesis. The concept of the P value is almost universally used in hypothesis testing.

Much of statistics involves collecting, describing, and analyzing data that are subject to random variation. Descriptive statistics presents and summarizes collected data to characterize features of their distribution. Inferential statistics analyzes sample data in order to estimate or predict characteristics of the larger population from which the sample is drawn.

Biological phenomena are inherently variable and in this age of “evidence-based medicine” an understanding of such variation through statistical approaches is essential not only for the medical researcher who intends to draw inferences from his sample, but also for the practicing clinician, and the medical teacher whose responsibility is to critically appraise the presented inferences before accepting them into practice or the curriculum. Development of new drugs, devices, and techniques is heavily dependent, nowadays, upon statistical analyses to prove their effectiveness. It is also frequently alleged that statistical analyses can be misused and misrepresented. This should be a further impetus for understanding inferential statistics.

Steps in hypothesis testing

Hypothesis testing, as it stands now, should proceed through the following five steps:

- Select a study design and sample size appropriate to the research question or hypothesis to be tested
- Decide upon the hypothesis test (i.e., test of statistical significance) that is to be applied for each outcome variable of interest
- Once the data have been collected, apply the test and determine the P value from the results observed
- Compare it with the critical value of P , say 0.05 or 0.01
- If the P value is less than the critical value, reject the null hypothesis (and rejoice) or otherwise accept the null hypothesis (and reflect on the reasons why no difference was detected).



Dr. N. SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedi, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu, India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944.

Dr.N. SETHILKUMAR, M.Pharm., Ph.D.,

Principal

STUDENTS FEEDBACK ANALYSIS

S.NO	QUESTION DESCRIPTION	ANSWERS	MARKS	TOTAL MARKS
1	Satisfaction	Very satisfied	5	5
		Satisfied	3	
		Neutral	2	
		Dissatisfied	1	
		Very dissatisfied	0	
2	Clarity	Extremely clear	5	5
		Very clear	4	
		Moderately clear	2	
		Not very clear	1	
		Not at all clear	0	
3	Percentage of the information was new	100%	5	5
		75%	4	
		50%	3	
		25%	2	
		0%	1	
4	Informative	Extremely Informative	5	5
		Very Informative	3	
		Moderately Informative	2	
		Not very informative	1	
		Not informative at all	0	
5	Technical issues	Yes	5	5
		No	0	
6	Like to learn more about this topic	Yes	5	5
		No	0	
7	Rate the content of the slides/virtual aid	Extremely clear	5	5
		Very clear	3	
		Moderately clear	2	
		Not very clear	1	
		Not at all clear	0	

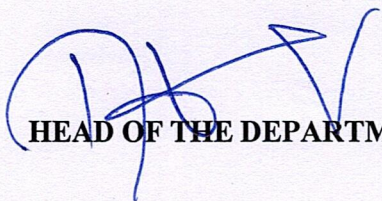


Dr. N. SETHILKUMAR,
PRINCIPAL

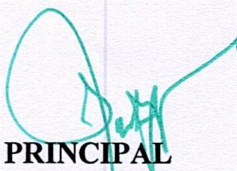
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

8	Accuracy of the sessions	Extremely clear	5	5
		Very clear	3	
		Moderately clear	2	
		Not very clear	1	
		Not at all clear	0	
9	Session expectations	Excellent	5	5
		Good	3	
		Fair	2	
		Poor	1	
		Not at all clear	0	
10	Rate the content of the seminar	1	1	5
		2	2	
		3	3	
		4	4	
		5	5	

Total marks = 50


HEAD OF THE DEPARTMENT




PRINCIPAL

**Dr. N.SENTHILKUMAR,
PRINCIPAL**

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.**



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmediu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944.

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

SEMINAR FEEDBACK FORM

STUDENT NAME:

DATE:

YEAR/ COURSE:

NAME OF THE SEMINAR:

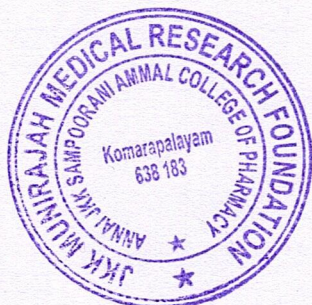
DURATION:

EVALUATE HONESTLY:

Questions	Excellent	Good	Fair	Poor
The objectives of the training were				
The instructor's contribution to the course was:				
The presentation materials were relevant				
The instructor's effectiveness in teaching the subject matter was:				
Answers to the students' questions by the instructor				
The venue was appropriate for the event				
Course organisation was:				
Level of course was				
Course content was:				

Student Participation

1. On average, how many hours a week did you spend on this course (in and out of class)?
A)0-2 B) 2-5 C)6-10 D)11-14 E)15UP
2. What grade do you expect in this course?
A) BELOW 50% B) 50-60% C) 60-70% D) 70-80% E) ABOVE 80%



SIGNATURE

Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu, India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944.

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

STUDENT FEEDBACK FORM

NAME OF STUDENT:

REGISTRATION NO:

COURSE:

YEAR & SEMESTER:

SEMINAR TOPIC:

DATE & TIME:

- Overall, how satisfied were you with this seminar?**
 - Very satisfied
 - Satisfied
 - Neutral
 - Dissatisfied
 - Very dissatisfied
- How clear were the ideas and concepts we presented?**
 - Extremely clear
 - Very clear
 - Moderately clear
 - Not very clear
 - Not at all clear
- What percentage of the information was new to you?**
 - 100%
 - 75%
 - 50%
 - 25%
- How informative did you find our seminar?**
 - Extremely Informative
 - Very Informative
 - Moderately Informative
 - Not very informative
 - Not informative at all



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.

5. **Were there any technical issues that prevented you from seeing or hearing the seminar?**
- Yes
 No
6. **Would you like to learn more about this topic?**
- Yes
 No
7. **Rate the content of the slides/virtual aid?**
- Extremely clear
 Very clear
 Moderately clear
 Not very clear
 Not at all clear
8. **How accurate was the session description?**
- Extremely clear
 Very clear
 Moderately clear
 Not very clear
 Not at all clear
9. **How did the session compare to your expectations?**
- Excellent
 Good
 Fair
 Poor
 Not at all clear
10. **How would you rate the content of the seminar?**
- 1
 2
 3
 4
 5



Student Name with Signature

**Dr. N.SENTHILKUMAR,
PRINCIPAL**

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944.

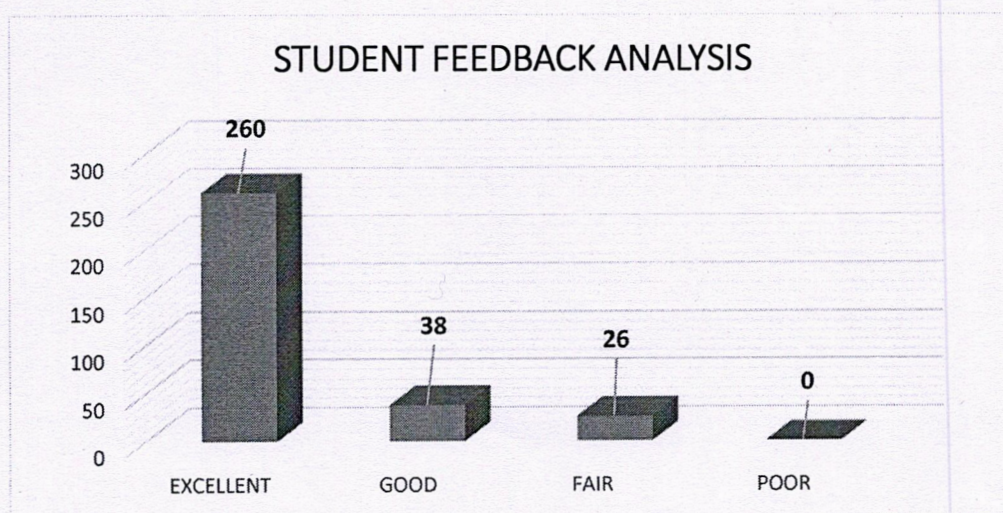
Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

REPORT SUMMARY

Feedback Question Analysis – Question Asked-Feedback Rating

1.Satisfaction	6.Like to learn more about this topic
2.Clarity	7.Rate the content of the slides/virtual aid
3. Percentage of the information was new	8.Accuracy of the sessions
4.Informative	9.Session expectations
5.Technical issues	10.Rate the content of the seminar



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu,India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

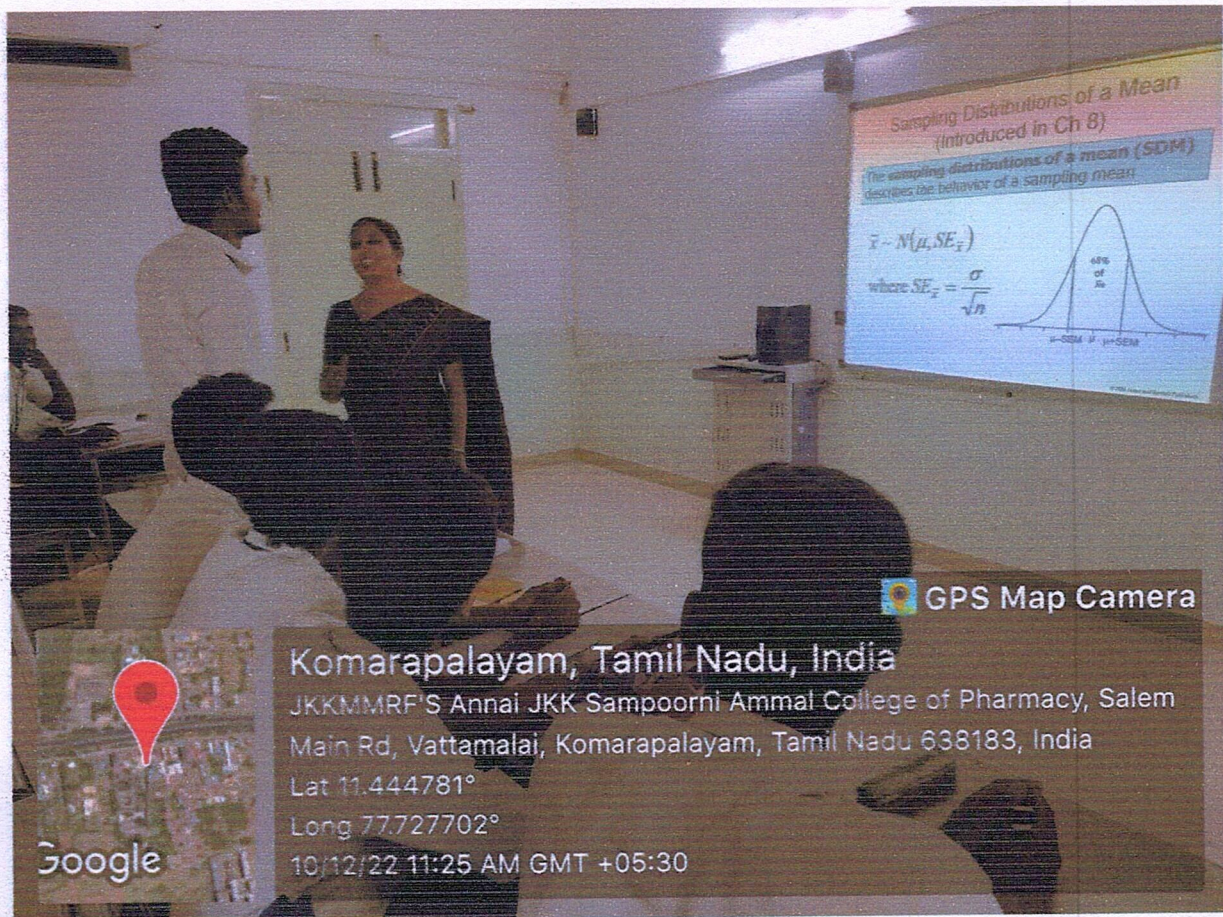
Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944.

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

FUNDAMENTALS OF BIOSTATISTICS AND HYPOTHESIS TESTING **SEMINAR PHOTO**



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.



J.K.K. MUNIRAJAH MEDICAL RESEARCH FOUNDATION

ANNAI J.K.K. SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedu, B. Komarapalayam-638 183, Namakkal Dist. Tamilnadu, India.

Approved by : Pharmacy Council of India. New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Website : www.jkkmmrfpharmacy.edu.in / E-Mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944.

Dr.N. SENTHILKUMAR, M.Pharm., Ph.D.,

Principal

LIST OF PARTICIPANTS

S.NO	NAME	YEAR	COURSE
1.	ABINAYA V	SEM-II	M.PHARM (PHARMACEUTICAL CHEMISTRY)
2.	ANITHA M	SEM-II	M.PHARM (PHARMACEUTICAL CHEMISTRY)
3.	DHIVYA K	SEM-II	M.PHARM (PHARMACEUTICAL CHEMISTRY)
4.	MANISHA M	SEM-II	M.PHARM (PHARMACEUTICAL CHEMISTRY)
5.	PAVITHRA K	SEM-II	M.PHARM (PHARMACEUTICAL CHEMISTRY)
6.	PRIYANKA V	SEM-II	M.PHARM (PHARMACEUTICAL CHEMISTRY)
7.	SANTHANAKRISH NAN K	SEM-II	M.PHARM (PHARMACEUTICAL CHEMISTRY)
8.	SOJARNA K	SEM-II	M.PHARM (PHARMACEUTICAL CHEMISTRY)
9.	SUBHASHINI D	SEM-II	M.PHARM (PHARMACEUTICAL CHEMISTRY)
10.	SURYAMATHI P	SEM-II	M.PHARM (PHARMACEUTICAL CHEMISTRY)
11.	AAKASH S	SEM-II	M.PHARM (PHARMACEUTICAL ANALYSIS)
12.	ARUNPRAKASH S	SEM-II	M.PHARM (PHARMACEUTICAL ANALYSIS)
13.	DEEPIKA R	SEM-II	M.PHARM (PHARMACEUTICAL ANALYSIS)




Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT. TAMILNADU. INDIA.

14.	GOKULAKANNAN M	SEM-II	M.PHARM (PHARMACEUTICAL ANALYSIS)
15.	HARSHA VARDHINEE K	SEM-II	M.PHARM (PHARMACEUTICAL ANALYSIS)
16.	JAGADESWARAN C	SEM-II	M.PHARM (PHARMACEUTICAL ANALYSIS)
17.	MARIMUTHU P	SEM-II	M.PHARM (PHARMACEUTICAL ANALYSIS)
18.	RAGUNATH S	SEM-II	M.PHARM (PHARMACEUTICAL ANALYSIS)
19.	SATHISH KUMAR V	SEM-II	M.PHARM (PHARMACEUTICAL ANALYSIS)
20.	VISHNU M S	SEM-II	M.PHARM (PHARMACEUTICAL ANALYSIS)
21.	NANDHINI.S	SEM-I	M.PHARM (PHARMACEUTICAL CHEMISTRY)
22.	RAJESH KUMAR S	SEM-I	M.PHARM (PHARMACEUTICAL CHEMISTRY)
23.	CHERAN K	SEM-I	M.PHARM (PHARMACEUTICAL ANALYSIS)
24.	PRAVEEN RAJ K	SEM-I	M.PHARM (PHARMACEUTICAL ANALYSIS)
25.	PRIYADHARSHINI. B	SEM-I	M.PHARM (PHARMACEUTICAL ANALYSIS)
26.	SUBASH.V	SEM-I	M.PHARM (PHARMACEUTICAL ANALYSIS)
27.	VAHITH E	SEM-I	M.PHARM (PHARMACEUTICAL ANALYSIS)
28.	ARATHY P NAIR	SEM-IV	M.PHARM (PHARMACEUTICAL CHEMISTRY)
29.	EZHILARASAN S	SEM-IV	M.PHARM (PHARMACEUTICAL CHEMISTRY)
30.	GOKUL T	SEM-IV	M.PHARM (PHARMACEUTICAL CHEMISTRY)
31.	RAGAVI P	SEM-IV	M.PHARM (PHARMACEUTICAL CHEMISTRY)
32.	REVATHI J	SEM-IV	M.PHARM (PHARMACEUTICAL CHEMISTRY)
33.	SOMASUNDARAM P	SEM-IV	M.PHARM (PHARMACEUTICAL CHEMISTRY)
34.	STELLAMARY D	SEM-IV	M.PHARM (PHARMACEUTICAL CHEMISTRY)
35.	SUGANTHI P	SEM-IV	M.PHARM (PHARMACEUTICAL CHEMISTRY)
36.	ASARUDEEN A	SEM-IV	M.PHARM (PHARMACEUTICAL ANALYSIS)

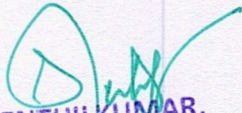


Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 183.
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

37.	ASWIN KUMAR N	SEM-IV	M.PHARM (PHARMACEUTICAL ANALYSIS)
38.	HARIPRAKASH K	SEM-IV	M.PHARM (PHARMACEUTICAL ANALYSIS)
39.	KARTHICK S	SEM-IV	M.PHARM (PHARMACEUTICAL ANALYSIS)
40.	KATHIRAVAN K N	SEM-IV	M.PHARM (PHARMACEUTICAL ANALYSIS)
41.	RAMKUMAR K	SEM-IV	M.PHARM (PHARMACEUTICAL ANALYSIS)
42.	SATHISH KUMAR G	SEM-IV	M.PHARM (PHARMACEUTICAL ANALYSIS)
43.	SRIVIJAY R	SEM-IV	M.PHARM (PHARMACEUTICAL ANALYSIS)
44.	VIGNESH S	SEM-IV	M.PHARM (PHARMACEUTICAL ANALYSIS)




 Dr. N.SENTHILKUMAR,
 PRINCIPAL
 JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
 ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
 ETHIRMEDU, KOMARAPALAYAM - 638 183.
 NAMAKKAL DISTRICT. TAMILNADU. INDIA.



JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM.

Certificate of Participation

This certificate is proudly awarded to

**HAS PARTICIPATED AS A DELEGATE IN THE SEMINAR TITLED ON
"FUNDAMENTALS OF BIostatISTICS AND HYPOTHESIS TESTING" IN THE
JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,
KOMARAPALAYAM ON 12.12.2022.**

COORDINATOR

**Dr. N. Senthilkumar,
PRINCIPAL,**

PRINCIPAL



**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,
ETHIRMEDU, KOMARAPALAYAM - 638 183,
NAMAKKAL DISTRICT, TAMILNADU.**