



# J.K.K.MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedu. B.Komarapalayam – 638 183. Namakkal Dist. Tamilnadu. India

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

Website : [www.jkkmmrfpharmacy.edu.in](http://www.jkkmmrfpharmacy.edu.in) | E-Mail : [principal@jkkmmrfpharmacy.edu.in](mailto:principal@jkkmmrfpharmacy.edu.in)

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

DATE: 29/06/2017

## DEPARTMENT OF PHARMACEUTICS

### REPORT

#### RESOURCE PERSONS

1. Dr. N. Senthilkumar. M. Pharm, Ph.D.,

PRINCIPAL

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

2. Dr. S. Chandra, M. Pharm, Ph.D.,

PROFESSOR AND HOD

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

No. of students enrolled: 385

No. of students certified: 380

**No. of students certified in our institution : 31**

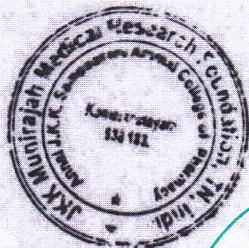
#### Objective:

The aim of OPTIMIZATION TECHNIQUES IN PHARMACEUTICAL FORMULATIONS is to design a quality product and its manufacturing process to consistently deliver the intended performance of the product and to achieve the "best" design relative to a set of prioritized criteria or constraints. These include maximizing factors such as productivity, strength, reliability, longevity, efficiency, and utilization.

#### Learning outcomes:

The term Optimize is defined as to make perfect, effective,  
It is the process of finding the best way of using the existing resources while.  
Traditionally, optimization in pharmaceuticals refer to changing one variable.

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.

Dr. N. Senthilkumar,  
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY  
ETHIRMEDU, KOMARAPALAYAM - 638 183,  
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Contact No. : +919789456750, +919943069944, +919943066944

REF.NO: JKKM/PHARM/CEU/REQ/2017/001

Date: 28/06/2017

**From**

Department of Pharmaceutics,  
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,**

Sub: **Letter for requesting Permission to Conduct an one day seminar regarding: -**

We Are writing this letter to request permission to conduct an one day seminar in the **SEMINAR HALL** on 29/06/2017. We wish to conduct seminar regarding the **OPTIMIZATION TECHNIQUES IN PHARMACEUTICAL FORMULATIONS** . We request you to kindly permit to conduct seminar program as this would be a great opportunity for Students to learn and that would help a great deal to shape the students.

Looking forward to hearing from you.

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.

Yours sincerely,



# J.K.K.MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

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## CIRCULAR

This is informed to the B. Pharm-I, II, III, IV Students that the following **SEMINAR** can be conducted by the Department of Pharmaceutics, JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM and it will be commenced as per the schedule:

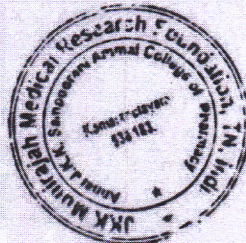
SEMINAR NAME	SCHEDULE	DURATION	VENUE	RESOURCE PERSON
OPTIMIZATION TECHNIQUES IN PHARMACEUTICAL FORMULATIONS	29/06/2017	3 HOURS	SEMINAR HALL	Dr.N.SENTHILKUMAR Dr.S.CHANDRA

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

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

  
Dr. N.SENTHILKUMAR,  
PRINCIPAL

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



  
PRINCIPAL

Dr. N. SENTHILKUMAR,  
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
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## SYLLABUS

DATE	HOURS	SEMINAR TOPIC	SUB TOPICS	RESOURCE PERSON
29/06/2017	3 HOURS	<b>OPTIMIZATION TECHNIQUES IN PHARMACEUTICAL FORMULATIONS</b>	Modern pharmaceutical optimization involves systematic design.	<b>Dr.N.SENTHILKUMAR</b>
			Traditionally, optimization in pharmaceuticals refer to changing one variable	<b>Dr.S.CHANDRA</b>

TOTAL HOURS=3 hours

Head Of the Department



Principal

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

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY  
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**JKKMMRF'S-ANNAI JKK  
SAMPOORANI AMMAL COLLEGE  
OF PHARMACY**

**Komarapalayam, Namakkal Dt-638183**

**DEPARTMENT OF PHARMACEUTICS**

**Seminar Topic**

**OPTIMIZATION TECHNIQUES IN PHARMACEUTICAL  
FORMULATIONS**

**held on 29.06.2017**



**Venue: SEMINAR HALL**



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

## **ABOUT US**

Dr.J.K.KMunirajah is a reputed industrialist technocrat and educational besides, being a social worker ,a person imbued in deep spritual values and philanthropist. At Present Annai J.K.K SampooraniAmmal Charitable Trust runs Paramedical Institutions offering Diploma, Graduate, Post Graduate &Ph.D, Courses and Research Scholarships in Pharmacy, nursing Physiotherapy and Occupational Therapy at Komarapalayam. The Trust has won many national and state awards. These renowned Educational Institutions spared education to promote knowledge, wisdom and service -Orientation.

## **RESOURCE PERSON**

**Dr.N.SENTHIL KUMAR.,M.PHARM., PH.D .,**

Principal and HOD,

JKKMMRF'S College of Pharmacy, Komarapalayam-638183

**Dr S.CHANDRA, M.PHARM., PH.D .,**

Professor and HOD ,

JKKMMRF'S College of Pharmacy, Komarapalayam-638183

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

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
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## DEPARTMENT OF PHARMACEUTICS

### STUDENT FEEDBACK FORM

NAME OF STUDENT:

REGISTRATION NO:

COURSE:

YEAR & SEMESTER:

SEMINAR TOPIC:

DATE & TIME:

1. Overall, how satisfied were you with this seminar?

- Very satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very dissatisfied

2. How clear were the ideas and concepts we presented?

- Extremely clear
- Very clear
- Moderately clear
- Not very clear
- Not at all clear

3. What percentage of the information was new to you?

- 100%
- 75%
- 50%
- 25%
- 0%

4. 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  
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ETHIRMEDU, KOMARAPALAYAM - 638 183,  
NAMAKKAL DISTRICT, TAMILNADU.

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

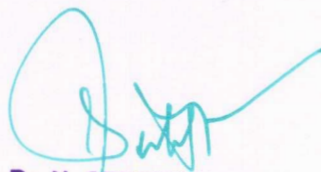
9. How did the session compare to your expectations?

- Excellent
- Good
- Fair
- Poor
- Not at all clear

10. How Would you rate the content of the seminar?

- 1
- 2
- 3
- 4
- 5





Dr. N. SENTHILKUMAR,  
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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Student Name With Signature





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## STUDENTS FEEDBACK ANALYSIS

DATE: 29/06/2017

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	

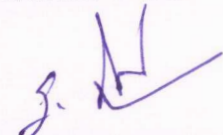


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**PRINCIPAL,**


**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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ETHIRMEDU, KOMARAPALAYAM - 638 183.  
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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	
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**  
**ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY**  
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## REPORT SUMMARY

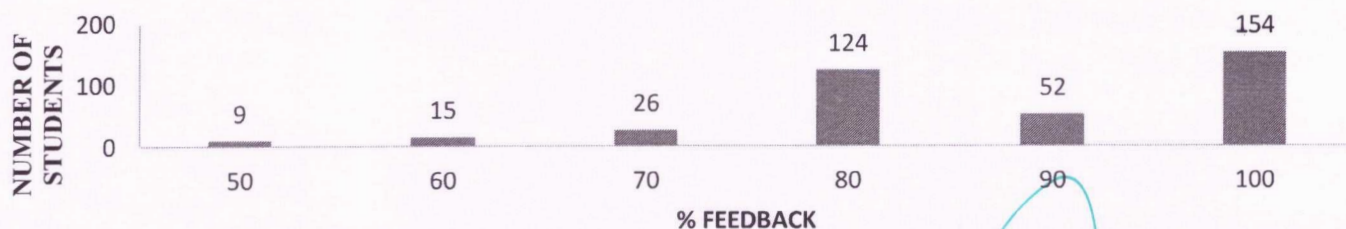
DATE: 29/06/2017

Duration of the Course	3 HOURS
Total participants Enrolled	385
Successfully Completed	380
Type of Feedback Assessment	Multiple Choice Questions (MCQ's)
Course Outcome	<ul style="list-style-type: none"><li>i. The term Optimize is defined as to make perfect , effective .</li><li>ii. It is the process of finding the best way of using the existing resources while.</li></ul>

### 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

### STUDENT FEEDBACK ANALYSIS



*(Signature)*  
**Dr. N. SENTHILKUMAR,**  
**PRINCIPAL,**

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
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## LIST OF PARTICIPANTS

S.NO	REGNo	NAME OF STUDENT	YEAR/SEM
1	381710401	ANDLYCHEDRICKC	I
2	381710402	ASHAM	I
3	381710403	ASHRITHADN	I
4	381710404	DEEPIKAK	I
5	381710405	HARINIR	I
6	381710406	JAYAPRAKASHU	I
7	381710407	JEBISHGS	I
8	381710408	JEMISHAJ	I
9	381710409	KAVINKISHORES	I
10	381710410	MUGILARASANS	I
11	381710411	MUKILANM	I
12	381710412	NATHIYAA	I
13	381710413	PREETHIT	I
14	381710414	PUSHPARAJA	I
15	381710415	RAGHULG	I
16	381710416	SHANGEETHAS	I
17	381710417	SUDHARSANV	I
18	381710418	SULIMANB	I
19	381710419	TAMILSELVANS	I
20	381710420	VEDIYAPPANV	I
21	381710421	YOGAVARSHINIKS	I
22	381710422	AHAMMEDKABEER	I
23	381710423	AMRUTHAM.K	I
24	381710424	CHANDNATHERASAMATHEW	I
25	381710425	DEBORAHROSE	I
26	381710426	HELANNAM	I
27	381710427	MUNEERT	I
28	381710428	NISSYESTHERJOHN	I
29	381710429	SAMUELBABU	I
30	381710430	NAIVINDALMEDA	I
31	381610401	AARTHYP	II



  
Dr. N. SENTHILKUMAR,  
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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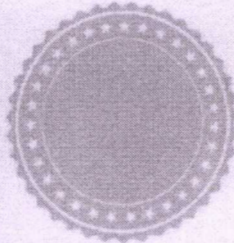
# Certificate of Appreciation

DEPARTMENT OF PHARMACEUTICS

ONE DAY SEMINAR

Mr/Ms.....has participate in one day seminar about OPTIMIZATION TECHNIQUES IN PHARMACEUTICAL FORMULATIONS was organized by department of pharmaceutics held on 29 june 2017

convenor



co- convenor



Dr. N. SENTHILKUMAR,  
PRINCIPAL,

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
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COLLEGE OF PHARMACY



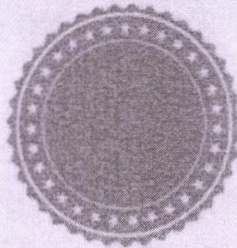
# Certificate of Appreciation

DEPARTMENT OF PHARMACEUTICS

ONE DAY SEMINAR

Mr/Ms. TAMIL SELVAN : S has participate in one day seminar about **OPTIMIZATION TECHNIQUES IN PHARMACEUTICAL FORMULATIONS** was organized by department of pharmaceutics held on 29 june 2017

convenor



co- convenor



**Dr. N. SENTHILKUMAR,**  
PRINCIPAL,  
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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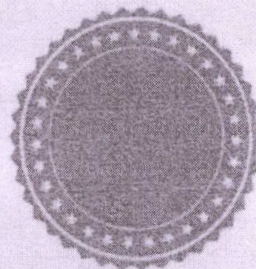
# Certificate of Appreciation

DEPARTMENT OF PHARMACEUTICS

ONE DAY SEMINAR

Mr/Ms. RAGHUL G .....has participate in one day seminar about **OPTIMIZATION TECHNIQUES IN PHARMACEUTICAL FORMULATIONS** was organized by department of pharmaceutics held on 29 june 2017

convenor



co- convenor

Dr. N. SENTHILKUMAR,  
PRINCIPAL,

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