



J.K.K.MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S ANNAL 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 |E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

ADD ON COURSE	NANOMATERIALS
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.06.2019-22.06.2019
VENUE	SEMINAR HALL

REPORT

RESOURCE PERSONS:

- 1. DR. N. SENTHIL KUMAR M.PHARM, Ph.D.,**
PRINCIPAL, JKKMMRF'S ANNAL JKK SAMPOORANIAMMAL
COLLEGE OF PHARMACY, KOMARAPALAYAM.
- 2. DR.T.VENKATACHALAM M.PHARM, Ph.D.,**
PROFESSOR, JKKMMRF'S ANNAL JKK SAMPOORANIAMMAL
COLLEGE OF PHARMACY, KOMARAPALAYAM.

No. of students enrolled: 64

No.of students certified: 58

Objective:

The objective of this value added nano chemistry program provides the information about the water and its chemistry. It provides vast knowledge on the hardness of water, testing the hardness of water and water softening methods. These value added program provides additional knowledge to the students other than their academic knowledge.

Learning outcomes:

- Provides knowledge on potable water
- Develops industrial skills on water softening

The students were actively participated in these course and gained knowledge on water chemistry'

R. Vignesh
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.



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'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmediu, **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 |E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

REF.NO:JKKM/PHARM.CHEM/REQ/2019/001

Date: 01.06.2019

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.

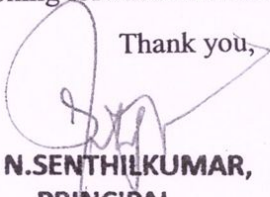
Respected Sir,

Subject:Letter for requesting Permission to Conduct an **ADD ON COURSE** regarding:-

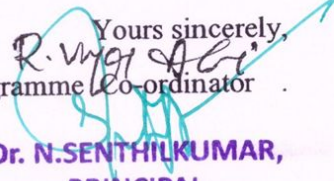
We Are writing this letter to request permission to conduct a seminar in the **Seminar Hall** on **03.06.2019 to 22.06.2019**. We wish to conduct a seminar regarding the **Nano materials**. We believe this will be a very informative session that many students will wish to attend. We request you to kindly permit to conduct training program as this would be a great opportunity for Students to learn all about **Nanomaterial** 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. INDIA.

Yours sincerely,

Programme Co-ordinator

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'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedi, 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 |E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

CIRCULAR

This is informto the I,III,IV-B,PHARM Students that the following value added course can be conducted by the Department of Pharmaceutical Chemistry, JKKMMRF'S Annai Jkk sampoorani ammal college of pharmacy, komarapalayam and it will be commenced as per the schedule:

Course Name	Schedule	Duration	Venue	Resource Person
NANOMATERIALS	03.06.2019 to 22.06.2019	32 HRS	SEMINAR HALL	Dr. N. Senthilkumar & Dr. T. Venkatachalam

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.

R. Vignideli
**Programme
Co-ordinator**

[Signature]
HOD
[Signature]
**Dr. N.SENTHILKUMAR,
PRINCIPAL**

[Signature]
Principal
**Dr. N. SENTHILKUMAR,
PRINCIPAL,**

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



**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'S ANNAL 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 |E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

ADD ON COURSE	NANOMATERIALS
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.06.2019-22.06.2019
VENUE	SEMINAR HALL

SYLLABUS

DATE	HOURS	TOPIC	SUB TOPICS	RESOURCE PERSON
03.06.2019	5HRS	NANOMATERIALS	Introduction	Dr.N.Senthilkumar
06.06.2019	5HRS		NANO TECHNOLOGY	
10.06.2019	6HRS		NANO DEVICE	
14.06.2019	5HRS		NANO FABRICATION	Dr.T.Venkatachalam
17.06.2019	5 HRS		NANO ELECTRONICS	
22.06.2019	6HRS		CONCLUSION	



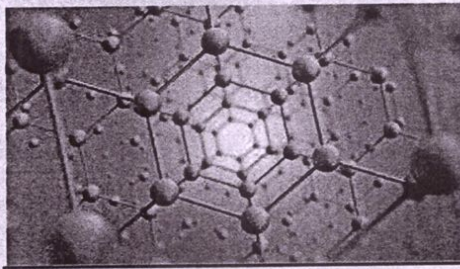

Dr. N.SENTHIKUMAR,
PRINCIPAL

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

BROCHURE



JKKMMRF'S ANNAI JKK
SAMPOORANIAMMAL COLLEGE OF
PHARMACY, KOMARAPALAYAM.
DEPARTMENT OF PHARMACEUTICAL
CHEMISTRY



TOPIC: NANOMATERIALS

VENUE: SEMINAR HALL

DATE: 03.06.2019 TO 22.06.2019

TIME: 9.00 am to 6.00 pm



COURSE SCHEDULE:

- INTRODUCTION AND RESOURCES
- NANOMATERIALS FOUND AND TYPES
- NIEHS IVOVES IN NANOTECHNOLOGY
- RESEARCH PROGRAM INVOKED IN
➤ NANOTECHNOLOGY
- NATIONAL TOXICOLOGY PROGRAM
- NANOTECHNOLOGY PROGRAM AT FDA

Resource person:

Dr.N.SENTHILKUMAR, M.Pharm.,PH.D.,
Principal,
JKKMMRF'S Annai JKK Sampoornani Ammal
College of Pharmacy, Komarapalayam.



Dr.T.VENKATACHALAM, M.Pharm.,PH.D.,
Associate Professor,
JKKMMRF'S Annai JKK Sampoornani Ammal
College of Pharmacy,
Komarapalayam.



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'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 |E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

ADD ON COURSE	NANOMATERIALS
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.06.2019-22.06.2019
VENUE	SEMINAR HALL

LIST OF STUDENTS ENROLLED FOR THE COURSE

S.NO	REG.NO	NAME OF THE STUDENTS	COURSE
1	261910801	ANZIL F	M.PHARM (PHARMACEUTICS) SEM-I
2	261910802	ELANGO VAN S	M.PHARM (PHARMACEUTICS) SEM-I
3	261910803	GOKUL S	M.PHARM (PHARMACEUTICS) SEM-I
4	261910804	KARTHICK V	M.PHARM (PHARMACEUTICS) SEM-I
5	261910805	KARTHIKEYAN R	M.PHARM (PHARMACEUTICS) SEM-I
6	261915606	PRABAVATHI C	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I
7	261915607	SANGEETHA M	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I
8	261915608	SASI P	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I
9	261915609	SHINU RAJAN	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I
10	261930701	BABU R	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I
11	261930702	BALAJI N	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I
12	261930703	BALAJI N	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I
13	261930704	GOBINATHI S	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I
14	261930705	KANNIYAPPAN C	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I
15	261940551	FOUZIYA	M.PHARM (PHARMACY PRACTICE)



Dr. N.SENTHILKUMAR,
PRINCIPAL

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

		VILAKATHIL	SEM-I
16	261940552	KRISHNA KUMAR A	M.PHARM (PHARMACY PRACTICE) SEM-I
17	261940553	KRISHNA PRIYA C S	M.PHARM (PHARMACY PRACTICE) SEM-I
18	261940554	LATHEESH G	M.PHARM (PHARMACY PRACTICE) SEM-I
19	261940555	MOHAMMED ASHFAKH P.K	M.PHARM (PHARMACY PRACTICE) SEM-I
20	261925701	ARUN PRASANTH S	M.PHARM (PHARMACOLOGY) SEM-I
21	261925702	ATHIRA A S	M.PHARM (PHARMACOLOGY) SEM-I
22	261925703	BABY R	M.PHARM (PHARMACOLOGY) SEM-I
23	261925704	BHAVADHARANI M	M.PHARM (PHARMACOLOGY) SEM-I
24	261925705	BINIL VARGHESE JOHN	M.PHARM (PHARMACOLOGY) SEM-I
25	561958086	SUDEEP CHANDRAN *	B.PHARM (SEM-I)
26	561958087	SUDHARSAN S	B.PHARM (SEM-I)
27	561958088	SUMITHA M *	B.PHARM (SEM-I)
28	561958090	SUSANTHKUMAR R *	B.PHARM (SEM-I)
29	561958091	TAMILSELVAN J	B.PHARM (SEM-I)
30	561958092	TAMILSELVAN M A	B.PHARM (SEM-I)
31	561958093	UMA MAHESWARI M *	B.PHARM (SEM-I)
32	561958094	UTHAYAKUMAR T *	B.PHARM (SEM-I)
33	561958095	VIDHYA DHARSHNI V *	B.PHARM (SEM-I)
34	561958096	VIGNESHWARAN B	B.PHARM (SEM-I)
35	561958097	VIJAYA DEVAN G *	B.PHARM (SEM-I)
36	561958098	VIJAYJEBASTIN T *	B.PHARM (SEM-I)
37	561958099	VIKNEESH R *	B.PHARM (SEM-I)
38	561958100	VISHNUPRIYAN R *	B.PHARM (SEM-I)
39	381410425	SOPHY S	VI.PHARM D
40	381410427	VIDHYALAKSHMI K B	VI.PHARM D
41	381410428	VIJAYARANGAN S	VI.PHARM D
42	381410429	VIMMY ANNA THOMAS	VI.PHARM D
43	381410430	VISHNU KUMAR V A	VI.PHARM D
44	381510417	REKHA.B	VI.PHARM D
45	381510418	RITHUVAREN M KRISHNAN	VIPHARM D
46	381510419	SANKARRAJA.A	VI.PHARM D
47	381510420	SARATHYVARMAN.A	VI.PHARM D
48	381510421	SARUKHAN.M	V.PHARM D
49	381610423	SHEEBA S KOSHY	V.PHARM D
50	381610424	SUBHASHINI A	V.PHARM D
51	381610426	TAMJID B	V.PHARM D
52	381610427	UDHAYAKUMAR P	V.PHARM D



Dr. N.SENTHILKUMAR,
PRINCIPAL

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

53	381610428	VELSREEYA RAJ R	V.PHARM D
54	381710423	AMRUTHA M.K	III.PHARM D
55	381710424	CHANDNA THERASA MATHEW	III.PHARM D
56	381710425	DEBORAH ROSE	III.PHARM D
57	381710426	HELENN M	III.PHARM D
58	381710427	MUNEER T	III.PHARM D
59	381710428	NISSY ESTHER JOHN	III.PHARM D
60	381710429	SAMUEL BABU	III.PHARM D
61	381810427	RESHMA P VARGHESE	II.PHARM D
62	381810429	SHAFRIN FATHIMA A S	II.PHARM D
63	381910429	VIGNESHWAR R	I.PHARM D
64	381910430	VIMALRAJ G	I.PHARM D



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'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 |E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

ADD ON COURSE	NANOMATERIALS
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACEDAMIC YEAR	2019-2020
DATE	03.06.2019-22.06.2019
VENUE	SEMINAR HALL

LIST OF STUDENTS ATTENDENCE FOR THE COURSE

S.N	REG.NO	NAME OF THE STUDENT	COURSE	03/06	06/06	10/06	14/06	17/06	22/06
1	261910801	ANZIL F	M.PHARM (PHARMACEUTICS) SEM-I	✓	✓	✓	✓	✓	✓
2	261910802	ELANGO VAN S	M.PHARM (PHARMACEUTICS) SEM-I	✓	✓	✓	✓	✓	✓
3	261910803	GOKUL S	M.PHARM (PHARMACEUTICS) SEM-I	✓	✓	✓	✓	✓	✓
4	261910804	KARTHICK V	M.PHARM (PHARMACEUTICS) SEM-I	✓	✓	✓	✓	✓	✓
5	261910805	KARTHIKEYAN R	M.PHARM (PHARMACEUTICS) SEM-I	✓	✓	✓	✓	✓	✓
6	261915606	PRABAVATHI C	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I	✓	✓	✓	✓	✓	✓
7	261915607	SANGEETHA M	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I	✓	✓	✓	✓	✓	✓
8	261915608	SASI P	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I	✓	✓	✓	✓	✓	✓
9	261915609	SHINU RAJAN	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I	✓	✓	✓	✓	✓	✓
10	261930701	BABU R	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I	✓	✓	✓	✓	✓	✓



Dr. N.SENTHILKUMAR,
PRINCIPAL

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

11	26193070 2	BALAJI N	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I	✓	✓	✓	✓	✓	✓
12	26193070 3	BALAJI N	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I	✓	✓	✓	✓	✓	✓
13	26193070 4	GOBINATH S	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I	✓	✓	✓	✓	✓	✓
14	26193070 5	KANNIYAPPAN C	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I	✓	✓	✓	✓	✓	✓
15	26194055 1	FOUZIYA VILAKATHIL	M.PHARM (PHARMACY PRACTICE) SEM-I	✓	✓	✓	✓	✓	✓
16	26194055 2	KRISHNA KUMAR A	M.PHARM (PHARMACY PRACTICE) SEM-I	✓	✓	✓	✓	✓	✓
17	26194055 3	KRISHNA PRIYA C S	M.PHARM (PHARMACY PRACTICE) SEM-I	✓	✓	✓	✓	✓	✓
18	26194055 4	LATHEESH G	M.PHARM (PHARMACY PRACTICE) SEM-I	✓	✓	✓	✓	✓	✓
19	26194055 5	MOHAMMED ASHFAKH P.K	M.PHARM (PHARMACY PRACTICE) SEM-I	✓	✓	✓	✓	✓	✓
20	26192570 1	ARUN PRASANTH S	M.PHARM (PHARMACOLOGY) SEM-I	✓	✓	✓	✓	✓	✓
21	26192570 2	ATHIRA A S	M.PHARM (PHARMACOLOGY) SEM-I	✓	✓	✓	✓	✓	✓
22	26192570 3	BABY R	M.PHARM (PHARMACOLOGY) SEM-I	✓	✓	✓	✓	✓	✓
23	26192570 4	BHAVADHARANI M	M.PHARM (PHARMACOLOGY) SEM-I	✓	✓	✓	✓	✓	✓
24	26192570 5	BINIL VARGHESE JOHN	M.PHARM (PHARMACOLOGY) SEM-I	✓	✓	✓	✓	✓	✓
25	56195808 6	SUDEEP CHANDRAN *	B.PHARM (SEM-I)	✓					
26	56195808	SUDHARSAN S	B.PHARM (SEM-I)	✓					



Dr. N.SENTHILKUMAR,
PRINCIPAL

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

	7								
27	56195808 8	SUMITHA M *	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
28	56195809 0	SUSANTHKUMAR R *	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
29	56195809 1	TAMILSELVAN J	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
30	56195809 2	TAMILSELVAN M A	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
31	56195809 3	UMA MAHESWARI M *	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
32	56195809 4	UTHAYAKUMAR T *	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
33	56195809 5	VIDHYA DHARSHNI V *	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
34	56195809 6	VIGNESHWARAN B	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
35	56195809 7	VIJAYA DEVAN G *	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
36	56195809 8	VIJAYJEBASTIN T *	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
37	56195809 9	VIKNESH R *	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
38	56195810 0	VISHNUPRIYAN R *	B.PHARM (SEM-I)	✓	✓	✓	✓	✓	✓
39	38141042 5	SOPHY S	VI.PHARM D	✓	✓	✓	✓	✓	✓
40	38141042 7	VIDHYALAKSHMI K B	VI.PHARM D	✓	✓	✓	✓	✓	✓
41	38141042 8	VIJAYARANGAN S	VI.PHARM D	✓	✓	✓	✓	✓	✓
42	38141042 9	VIMMY ANNA THOMAS	VI.PHARM D	✓	✓	✓	✓	✓	✓
43	38141043 0	VISHNU KUMAR V A	VI.PHARM D	✓	✓	✓	✓	✓	✓
44	38151041 7	REKHA.B	VI.PHARM D	✓	✓	✓	✓	✓	✓
45	38151041 8	RITHUVAREN M KRISHNAN	VI.PHARM D	✓	✓	✓	✓	✓	✓
46	38151041 9	SANKARRAJA.A	VI.PHARM D	✓	✓	✓	✓	✓	✓
47	38151042 0	SARATHYVARMAN. A	VI.PHARM D	✓	✓	✓	✓	✓	✓
48	38151042 1	SARUKHAN.M	V.PHARM D	✓	✓	✓	✓	✓	✓
49	38161042 3	SHEEBA S KOSHY	V.PHARM D	✓	✓	✓	✓	✓	✓
50	38161042 4	SUBHASHINI A	V,PHARM D	✓	✓	✓	✓	✓	✓
51	38161042 6	TAMJID B	V,PHARM D	✓	✓	✓	✓	✓	✓
52	38161042 7	UDHAYAKUMAR P	V,PHARM D	✓	✓	✓	✓	✓	✓
53	38161042 8	VELSREEYA RAJ R	V.PHARM D	✓	✓	✓	✓	✓	✓
54	38171042 3	AMRUTHA M.K	III.PHARM D	✓	✓	✓	✓	✓	✓
55	38171042 4	CHANDNA THERASA MATHEW	III.PHARM D	✓	✓	✓	✓	✓	✓



Dr. N.SENTHILKUMAR,
PRINCIPAL

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

56	38171042 5	DEBORAH ROSE	III.PHARM D	✓	✓	✓	✓	✓	✓
57	38171042 6	HELENN M	III.PHARM D	✓	✓	✓	✓	✓	✓
58	38171042 7	MUNEER T	III.PHARM D	✓	✓	✓	✓	✓	✓



**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'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedi, 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 |E-Mail : principal@jkkmmrfpharmacy.edu.in

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

ADD ON COURSE	NANOMATERIALS
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.06.2019-22.06.2019
VENUE	SEMINAR HALL

NAME : CASI. P COURSE : M-PHARM

ANSWER ALL THE QUESTION:

DATE:22.06.2019

MULTIPLE CHOICE QUESTION

MARKS:20

1)The four types of artificial nanomaterials are

a) Carbon-based, non-metallic, composites and ceramics

b)Carbon-based , metallic , composites and ceramics

c)Carbon-based , non-metallic , composites and dendrimers

d)Carbon-based , metallic , composites and dendrimers

2)Which property of nanomaterials make them suitable for to be used for elimination of pollutants?

a) High purity

b)Better thermal conductivity

c)Enhanced chemical activity

d)Small size

3)Nano crystalline materials synthesized by sol-gel technique results in a foam like structures called

a)Gel

b)Foam

c)Aerosol

d)Aerogel

4)Which nanomaterial is used for cutting tools?

a)Fullerene

b)Aerogel

c)Tungsten carbide

d)Gold

5)Aerogels can hold more energy than the separators in batteries




Dr. N.SENTHILKUMAR,
PRINCIPAL

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

a) true

b) false

6) A carbon monoxide sensor made of zirconia uses which characteristic to detect the change?

a) Capacitance

b) Resistivity

c) Activity

d) Permeability

7) Which components of an automobile are envisioned to be coated with zirconia?

a) Spark plugs

b) Lines

c) Tyres

d) Brakes

8) The main purpose of CNTs in fuel cells is

a) Production of energy

b) Active medium

c) Catalyst

d) Storage

9) Zirconia is a hard brittle

a) Metal

b) Non metal

c) Composite

d) Ceramics

10) Nano scale aluminium oxide increases the

a) Conductivity

b) Resistance

c) Ductility

d) Stability

11) What is the procedure in top-down fabrication method?

a) Nano-particles → powder → bulk




Dr. N.SENTHILKUMAR,
PRINCIPAL

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

- b) Powder → bulk → nano-particles
- c) Bulk → powder → nano-particles
- d) Nano-particles → bulk → powder

12) Which of the following is an example of bottom up approach?

- a) Attrition
- b) Colloidal distribution
- c) Milling
- d) Etching

13) For milling operations what kind of environment is preferred?

- a) Acidic
- b) Basic
- c) Active
- d) Inert

14) What kind of metals are used for milling operations?

- a) Soft & brittle
- b) Soft & elastic
- c) Hard & brittle
- d) Hard & elastic

15) CVD stands for

- a) Carbon vapour density
- b) Chemical vapour density
- c) Chemical vapour deposition
- d) Carbon vapour deposition

16) Photolithography is a type of patterning technique

- a) True
- b) False

17) Chemical solution deposition is also known as

- a) Sol-gel
- b) CVD
- c) Plasma spraying



**Dr. N.SENTHILKUMAR,
PRINCIPAL**

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

d) Laser pyrolysis

18) Typical precursor used in sol-gel are

- a) Metal oxides
- b) Metal dioxide
- c) Metal alkoxides
- d) Metal fluorides

19) Particles of ZrO_2 , Y_2O_3 and nano whiskers have been produced by

- a) Sol-gel
- b) CVC
- c) Plasma spraying
- d) Laser pyrolysis

20) Which gas serves as buffer gas in laser ablation?

- a) Nitrogen
- b) Oxygen
- c) Helium
- d) Neon



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'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedi, **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 |E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

ADD ON COURSE	NANOMATERIALS
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.06.2019-22.06.2019
VENUE	SEMINAR HALL

ANSWER ALL THE QUESTION:

DATE:22.06.2019

MULTIPLE CHOICE QUESTION

MARKS:20

1)The four types of artificial nanomaterials are

- a) Carbon-based, non-metallic, composites and ceramics
- b)Carbon-based , metallic , composites and ceramics
- c)Carbon-based , non-metallic , composites and dendrimers
- d)Carbon-based , metallic , composites and dendrimers**

2)Which property of nanomaterials make them suitable for to be used for elimination of pollutants?

- a) High purity
- b)Better thermal conductivity
- c)Enhanced chemical activity**
- d)Small size

3)Nano crystalline materials synthesized by sol-gel technique results in a foam like structures called

- a)Gel
- b)Foam
- c)Aerosol
- d)Aerogel**

4)Which nanomaterial is used for cutting tools?

- a)Fullerene
- b)Aerogel**




Dr. N.SENTHILKUMAR,
PRINCIPAL

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

c) **Tungsten carbide**

d) Gold

5) Aerogels can hold more energy than the separators in batteries

a) **True**

b) False

6) A carbon monoxide Sensor made of zirconia uses which characteristic to detect the change?

a) Capacitance

b) Resistivity

c) **Activity**

d) Permeability

7) Which components of an automobile are envisioned to be coated with zirconia ?

a) Spark plugs

b) **Lines**

c) Tyres

d) Brakes

8) The main purpose of CNTs in fuel cells is

a) Production of energy

b) Active medium

c) Catalyst

d) **Storage**

9) Zirconia is a hard brittle

a) Metal

b) Non metal

c) Composite

d) **Ceramics**

10) Nano scale aluminium oxide increase the

a) Conductivity

b) **Resistance**

c) Ductility

d) Stability



Dr. N. SENTHILKUMAR,
PRINCIPAL

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

11) What is the procedure in top-down fabrication method?

- a) Nano-particles->powder->bulk
- b) Powder->bulk-> nano-particles
- c) Bulk->powder->nano-particles**
- d) Nano-particles->bulk->powder

12) Which of the following is an example of bottom up approach?

- a) Attrition
- b) Colloidal distribution**
- c) Milling
- d) Etching

13) For milling operations what kind of environment is preferred?

- a) Acidic
- b) Basic
- c) Active
- d) Inert**

14) What kind of metals are used for milling operations?

- a) Soft & brittle
- b) Soft & elastic
- c) Hard & brittle**
- d) Hard & elastic

15) CVD stands for

- a) Carbon vapour density
- b) Chemical vapour density
- c) Chemical vapour deposition**
- d) Carbon vapour deposition

16) Photolithography is a type of patterning technique

- a) True**
- b) False

17) Chemical solution deposition is also known as



Dr. N.SENTHILKUMAR,
PRINCIPAL

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

- a)Sol-gel
- b)CVD
- c)Plasma spraying
- d)Laser pyrolysis

18)Typical precursor used in sol-gel are

- a)Metal oxides
- b)Metal dioxide
- c)Metal alkoxides**
- d)Metal fluorides

19)Particles of ZrO_2 , Y_2O_3 and nano whiskers have been produced by

- a)Sol-gel
- b)CVC**
- c)Plasma spraying
- d)Laser pyrolysis

20)Which gas serves as buffer gas in laser ablation?

- a)Nitrogen
- b>Oxygen
- c)Helium**
- d)Neon




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'S ANNAI J.K.K. SAMPOORNI AMMAL COLLEGE OF PHARMACY

Ethirmedi, 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 |E-Mail : principal@jkkmmrfpharmacy.edu.in

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

ADD ON COURSE	NANOMATERIALS
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2019-2020
DATE	03.06.2019-22.06.2019
VENUE	SEMINAR HALL

'STUDENTS MARKSHEET

S.NO	REG.NO	NAME OF THE STUDENTS	COURSE	MARKS SCORED	% MARKS
1	261910801	ANZIL F	M.PHARM (PHARMACEUTICS) SEM-I	19	95%
2	261910802	ELANGO VAN S	M.PHARM (PHARMACEUTICS) SEM-I	18	90%
3	261910803	GOKUL S	M.PHARM (PHARMACEUTICS) SEM-I	17	85%
4	261910804	KARTHICK V	M.PHARM (PHARMACEUTICS) SEM-I	17	85%
5	261910805	KARTHIKEYAN R	M.PHARM (PHARMACEUTICS) SEM-I	17	85%
6	261915606	PRABAVATHI C	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I	17	85%
7	261915607	SANGEETHA M	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I	18	90%
8	261915608	SASI P	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I	19	95%
9	261915609	SHINU RAJAN	M.PHARM (PHARMACEUTICAL CHEMISTRY) SEM-I	20	100%
10	261930701	BABU R	M.PHARM	17	85%



Dr. N.SENTHILKUMAR,
PRINCIPAL

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

11	261930702	BALAJI N	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I	18	90%
12	261930703	BALAJI N	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I	16	80%
13	261930704	GOBINATH S	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I	19	95%
14	261930705	KANNIYAPPAN C	M.PHARM (PHARMACEUTICAL ANALYSIS) SEM-I	16	80%
15	261940551	FOUZIYA VILAKATHIL	M.PHARM (PHARMACY PRACTICE) SEM-I	16	80%
16	261940552	KRISHNA KUMAR A	M.PHARM (PHARMACY PRACTICE) SEM-I	17	85%
17	261940553	KRISHNA PRIYA C S	M.PHARM (PHARMACY PRACTICE) SEM-I	18	90%
18	261940554	LATHEESH G	M.PHARM (PHARMACY PRACTICE) SEM-I	19	95%
19	261940555	MOHAMMED ASHFAKH P.K	M.PHARM (PHARMACY PRACTICE) SEM-I	18	90%
20	261925701	ARUN PRASANTH S	M.PHARM (PHARMACOLOGY) SEM-I	19	95%
21	261925702	ATHIRA A S	M.PHARM (PHARMACOLOGY) SEM-I	18	90%
22	261925703	BABY R	M.PHARM (PHARMACOLOGY) SEM-I	19	95%
23	261925704	BHAVADHARANI M	M.PHARM (PHARMACOLOGY) SEM-I	17	85%
24	261925705	BINIL VARGHESE JOHN	M.PHARM (PHARMACOLOGY) SEM-I	17	85%
25	561958086	SUDEEP CHANDRAN *	B.PHARM (SEM-I)	17	85%
26	561958087	SUDHARSAN S	B.PHARM (SEM-I)	19	95%
27	561958088	SUMITHA M *	B.PHARM (SEM-I)	19	95%
28	561958090	SUSANTHKUMAR R *	B.PHARM (SEM-I)	18	90%
29	561958091	TAMILSELVAN J	B.PHARM (SEM-I)	19	95%
30	561958092	TAMILSELVAN M A	B.PHARM (SEM-I)	16	80%
31	561958093	UMA MAHESWARIM	B.PHARM (SEM-I)	17	85%



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
ETHIRMEDU, KOMARAPALAYAM - 638 853,
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

		*			
32	561958094	UTHAYAKUMAR T *	B.PHARM (SEM-I)	18	90%
33	561958095	VIDHYA DHARSHNI V *	B.PHARM (SEM-I)	19	95%
34	561958096	VIGNESHWARAN B	B.PHARM (SEM-I)	18	90%
J35	561958097	VIJAYA DEVAN G *	B.PHARM (SEM-I)	19	95%
36	561958098	VIJAYJEBASTIN T *	B.PHARM (SEM-I)	18	90%
37	561958099	VIKNEESH R *	B.PHARM (SEM-I)	17	85%
38	561958100	VISHNUPRIYAN R *	B.PHARM (SEM-I)	17	85%
39	381410425	SOPHY S	VI.PHARM D	18	90%
40	381410427	VIDHYALAKSHMI K B	VI.PHARM D	18	90%
41	381410428	VIJAYARANGAN S	VI.PHARM D	18	90%
42	381410429	VIMMY ANNA THOMAS	VI.PHARM D	19	95%
43	381410430	VISHNU KUMAR V A	VI.PHARM D	16	80%
44	381510417	REKHA.B	VI.PHARM D	17	85%
45	381510418	RITHUVAREN M KRISHNAN	VIPHARM D	18	90%
46	381510419	SANKARRAJA.A	VI.PHARM D	19	95%
47	381510420	SARATHYVARMAN.A	VI.PHARM D	17	85%
48	381510421	SARUKHAN.M	V.PHARM D	19	95%
49	381610423	SHEEBA S KOSHY	V.PHARM D	19	95%
50	381610424	SUBHASHINI A	V.PHARM D	17	85%
51	381610426	TAMJID B	V.PHARM D	18	90%
52	381610427	UDHAYAKUMAR P	V.PHARM D	17	85%
53	381610428	VELSREEYA RAJ R	V.PHARM D	17	85%
54	381710423	AMRUTHA M.K	III.PHARM D	18	90%
55	381710424	CHANDNA THERASA MATHEW	III.PHARM D	19	95%
56	381710425	DEBORAH ROSE	III.PHARM D	19	95%
57	381710426	HELENN M	III.PHARM D	19	95%
58	381710427	MUNEER T	III.PHARM D	18	90%



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'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 |E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

ADD ON COURSE FEEDBACK FORM

STUDENT NAME: SASI. P

DATE: 3/6/2019 - 28/6/2019

YEAR/ COURSE : M. PHARM

NAME OF THE ADD ON COURSE: NANOMATERIALS

COURSE CODE: 19VAC002

DURATION: 32 hrs

EVALUATE HONESTLY:

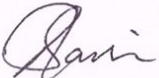
Questions	Excellent	Good	Fair	Poor
The objectives of the training were	✓			
The instructor's contribution to the course was:		✓		
The presentation materials were relevant	✓			
The instructor's effectiveness in teaching the subject matter was:		✓		
Answers to the students questions by the instructor			✓	
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%




Dr. N.SENTHILKUMAR,
PRINCIPAL


SIGNATURE

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

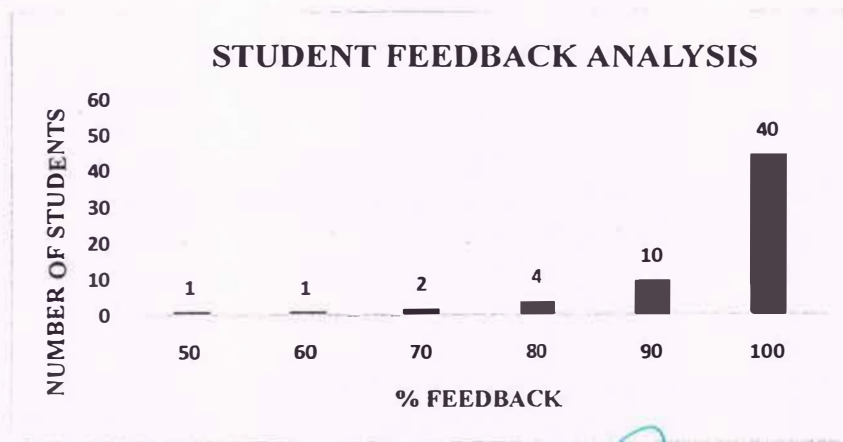


J.K.K.MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedi, **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 |E-Mail : principal@jkkmmrfpharmacy.edu.in
Contact No. : +919789456750, +919943069944, +919943066944

ADD ON COURSE	NANOMATERIALS
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACEDAMIC YEAR	2019-2020
DATE	03.06.2019-22.06.2019
VENUE	SEMINAR HALL

STUDENTS FEEDBACK ANALYSIS



(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.**



JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY CERTIFICATE OF PARTICIPATION

This is to certify that MR./MS./MRS.

SASL. P

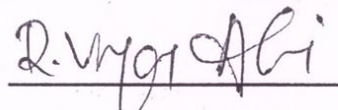
Has appreciated for his/ her participation in Value Added Course-

NANOMATERIALS

Organised by the Department of Pharmaceutical Chemistry

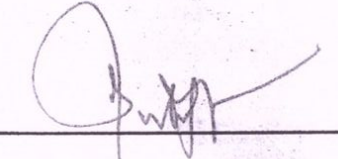
on 22/06/2019


Dr. N. SENTHILKUMAR,
PRINCIPAL


R. VIJAYALBI
COORDINATOR

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




Dr. N. SENTHILKUMAR,
PRINCIPAL

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