



# 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

ADD ON COURSE	NANO STRUCTURE
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2018-2019
DATE	09.07.2018-30.07.2018
VENUE	SEMINAR HALL

DATE: 30.07.2018

## REPORT

### RESOURCE PERSONS:

1.DR. N. SENTHIL KUMAR., M.PHARM, Ph.D.,

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

2.DR.T.VENKATACHALAM,,M.PHARM, Ph.D.,

PROFESSOR, JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL  
COLLEGE OF PHARMACY, KOMARAPALA YAM.

No. of students enrolled: 65

No.of students certified: 58

### Objective:

The objective of this value added water 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. Vignidhe*  
Programme

HOD



Principal Co-ordinator

*Dr. N. Senthil Kumar*  
Dr. N.SENTHILKUMAR,  
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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ETHIRMEDU, KOMARAPALAYAM - 638 183.  
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REF.NO:JKKM/PHARM.CHEM/REQ/2018/001

Date: 06.07.2018

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,

Sub: Letter for requesting Permission to Conduct an ADD ON COURSE Reg-

We Are writing this letter to request permission to conduct a seminar in the Seminar Hall on 09.07.2018 to 30.07.2018. We wish to conduct a seminar regarding the Nanostructure. 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 NANOSTRUCTURE 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,  
Dr. N.SENTHILKUMAR,  
Programme Co-ordinator

Dr. N.SENTHILKUMAR,  
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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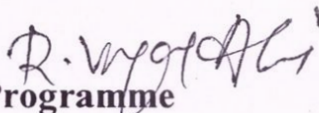
## CIRCULAR

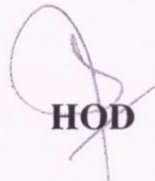
This is inform to the I, III, IV-B, PHARM Students that the following value added course can be conducted by the Department of Pharmaceutical Chemistry, JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM and it will be commenced as per the schedule:

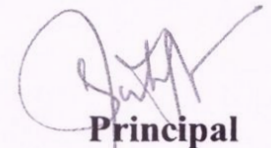
Course Name	Schedule	Duration	Venue	Resource Person
NANOSTRUCTURE	09.07.2018	32 HRS	SEMINAR HALL	Dr. N.Senthilkumar & Dr.T.Venkatachalam
	to 30.07.2018			

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.  
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Dr. N. SENTHILKUMAR,  
PRINCIPAL  
JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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<b>ADD ON COURSE</b>	<b>NANO STRUCTURE</b>
<b>DEPARTMENT</b>	<b>PHARMACEUTICAL CHEMISTRY</b>
<b>ACADEMIC YEAR</b>	<b>2018-2019</b>
<b>DATE</b>	<b>09.07.2018-30.07.2018</b>
<b>VENUE</b>	<b>SEMINAR HALL</b>

## SYLLABUS

DATE	HOURS	TOPIC	SUB TOPICS	RESOURCE PERSON
09.07.2018	6HRS	NANO STRUCTURE	INTRODUCION	Dr. N. Senthilkumar
12.07.2018	5HRS		LIST OF NANOSTRUCTU RE	
17.07.2018	5HRS		STRUCTURAL MATERIAL	
20.07.2018	5HRS		PREPARATION & APPLICATION	Dr. T. Venkatachalam
25.07.2018	6 HRS		ULTRAHIGH- RESOLUTION PROGRAMMABL E	
30.07.2018	5HRS		SORPTION PROCESS	



  
Dr. N.SENTHILKUMAR,  
PRINCIPAL

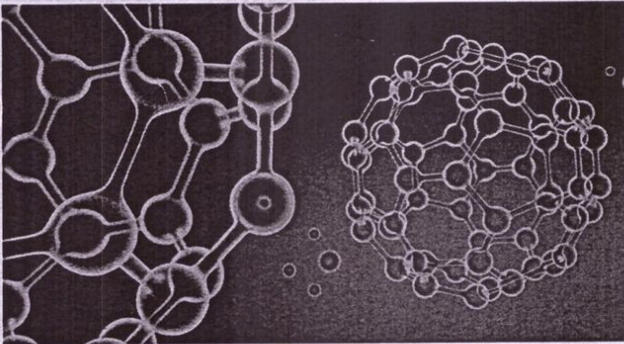
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## BROCHURE



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



**TOPIC: NANOSTRUCTURE**

**VENUE: SEMINAR HALL**

**DATE: 09.07.2018 TO 30.07.2018**

**TIME: 9.00 am to 6.00 pm**



### **COURSE SCHEDULE:**

- INTRODUCTION
- LIST OF NANOSTRUCTURES
- STRUCTURAL MATERIAL
- PREPARATION & APPLICATION
- ULTRAHIGH-RESOLUTION PROGRAMMABLE
- SORPTION PROCESSES

### **Resource person:**

**Dr.N. SENTHIL KUMAR, M.Pharm.,Ph.D.,  
PRINCIPAL,  
JKKMMRF'S Annai JKK Sampoorani Ammal  
College of Pharmacy,Komarapalayam.**



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



**Dr. N.SENTHILKUMAR,  
PRINCIPAL**

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<b>VENUE</b>	<b>SEMINAR HALL</b>

## LIST OF STUDENTS ENROLLED FOR THE COURSE

S.NO	REG.NO	NAME OF THE STUDENTS	COURSE
1	561558010	EZHUMALAI.E	IV.B.PHARM
2	561558011	GAYATHRI.M	IV.B.PHARM
3	561558012	GAYATHRI.S	IV.B.PHARM
4	561558013	GEETHAMALAR.R	IV.B.PHARM
5	561558014	GOKULAVASAN.S	IV.B.PHARM
6	561558015	GOVINDARAJ.M	IV.B.PHARM
7	561558017	JANARTHANAN.K	IV.B.PHARM
8	561558018	JAYASEELAN.M	IV.B.PHARM
9	561558019	KIRUBAKARAN.K	IV.B.PHARM
10	561558020	KOSHILA.K.S	IV.B.PHARM
11	561558021	LAVANYA.M8	IV.B.PHARM
12	561558022	MADESH.C.R	IV,B.PHARM
13	561558023	MAIYARASAN.P	IV.B.PHARM
14	561558024	MOHAMAD RAHEES.C	IV.B.PHARM
15	561558026	MOHANA.V	IV.B.PHARM
16	561558027	MOHANRAJ.M	IV.B.PHARM
17	561558028	MUNIRATHINAM.S	IV.B.PHARM
18	561558029	NASIF.K,P	IV.B.PHARM
19	561558030	NAVEEN PRABU.K	IV,B.PHARM
20	561558031	NITHYA,S	IV.B.PHARM
21	561658071	SARALA.R	III.B.PHARM



Dr. N.SENTHILKUMAR,  
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22	561658072	SARAN,K	III.B.PHARM
23	561658073	SATHEESH,P	III.B.PHARM
24	561658074	SATHEESH KUMAR.V	III.B.PHARM
25	561658075	SELVAGANAPATHI.I	III.B.PHARM
26	561658076	SHAIMASHERIN.P	III.B.PHARM
27	561658077	SHRIDHARAN. L.K	III.B.PHARM
28	561658078	SHRIRAM.E	III.B.PHARM
29	561658079	SOUDARA PANDIYAN.G	III.B.PHARM
30	561658080	SOUNDARRAJAN.S	III.B.PHARM
31	561658081	SOUDARA RAJA VEL.K	III.B.PHARM
32	561658082	SREEKANTH.P	III.B.PHARM
33	561658083	SRIRANGANATHAN RADHAKRISHNAN	III.B.PHARM
34	561658084	SUDHAKAR.K	III.B.PHARM
35	561658085	SURYA.S	III.B.PHARM
36	561658086	SYED ASIF.A	III.B.PHARM
37	561658087	SYED MOHAMED.S	III.B.PHARM
38	561658088	TAMILRASAN.M	III.B.PHARM
39	561658089	TAMILARASU.A	III.B.PHARM
40	561658090	VANITHA.M	III.B.PHARM
41	561658091	VENKATESH.S	III.B.PHARM
42	561658092	VENUGOPAL.R	III.B.PHARM
43	561658093	VIGNESH.B	III.B.PHARM
44	561658094	VIGNESH.R	III.B.PHARM
45	561658095	VIJAY.V	III.B.PHARM
46	561658096	VISHNU.M.S	III.B.PHARM
47	561658097	VISHNU PRIYA.S	III.B.PHARM
48	561658098	VIVEK.M	III.B.PHARM
49	561658099	YAZHLMOZHLI.S	III.B.PHARM
50	561758101	KARTHIKEYAN.R	III.B.PHARM
51	561858001	ACHUKA LORRAINE KWAMBOKA	I.B.PHARM
52	561858002	AKILESH.M	I.B.PHARM
53	561858003	ARCHANA.P	I.B.PHARM
54	561858004	BHARATH.M	I.B.PHARM
55	561858005	BERJIN KUMAR,B.R	I.B.PHARM
56	561858006	BHARATH.G	I.B.PHARM
57	561858007	BHAVADHARANI.G	I.B.PHARM



**Dr. N.SENATHILKUMAR,**  
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58	561858008	BOOPATHI.K	I.B.PHARM
59	561858009	CHANDRASEKAR.R	I.B.PHARM
60	561858010	DEEBAK.K.C	I.B.PHARM
61	561858011	DEEPIKA.P	I.B.PHARM
62	561858012	DHINA BAHRATHI.S	I.B.PHARM
63	561858013	DHINESH KARTHICK.P	I.B.PHARM
64	561858014	DINESH.B	I.B.PHARM
65	561858015	DINESH MOORTHY.M	I.B.PHARM



  
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1	561558010	EZHUMALAI.E	IV.B.PHARM	✓	✓	✓	✓	✓	✓
2	561558011	GAYATHRI.M	IV.B.PHARM	✓	✓	✓	✓	✓	✓
3	561558012	GAYATHRI.S	IV.B.PHARM	✓	✓	✓	✓	✓	✓
4	561558013	GEETHAMALAR.R	IV.B.PHARM	✓	✓	✓	✓	✓	✓
5	561558014	GOKULAVASAN.S	IV.B.PHARM	✓	✓	✓	✓	✓	✓
6	561558015	GOVINDARAJ.M	IV.B.PHARM	✓	✓	✓	✓	✓	✓
7	561558017	JANARTIHANAN.K	IV.B.PHARM	✓	✓	✓	✓	✓	✓
8	561558018	JAYASEELAN.M	IV.B.PHARM	✓	✓	✓	✓	✓	✓
9	561558019	KIRUBAKARAN.K	IV.B.PHARM	✓	✓	✓	✓	✓	✓
10	561558020	KOSHILA.K.S	IV.B.PHARM	✓	✓	✓	✓	✓	✓
11	561558021	LAVANYA.M8	IV.B.PHARM	✓	✓	✓	✓	✓	✓
12	561558022	MADESH.C.R	IV.B.PHARM	✓	✓	✓	✓	✓	✓
13	561558023	MAIYARASAN.P	IV.B.PHARM	✓	✓	✓	✓	✓	✓
14	561558024	MOHAMAD RAHEES.C	IV.B.PHARM	✓	✓	✓	✓	✓	✓
15	561558026	MOHANA.V	IV.B.PHARM	✓	✓	✓	✓	✓	✓
16	561558027	MOHANRAJ.M	IV.B.PHARM	✓	✓	✓	✓	✓	✓
17	561558028	MUNIRATHINAM.S	IV.B.PHARM	✓	✓	✓	✓	✓	✓
18	561558029	NASIF.K,P	IV.B.PHARM	✓	✓	✓	✓	✓	✓
19	561558030	NAVEEN PRABU.K	IV.B.PHARM	✓	✓	✓	✓	✓	✓
20	561558031	NITHIYA,S	IV.B.PHARM	✓	✓	✓	✓	✓	✓
21	561658071	SARALA.R	III.B.PHARM	✓	✓	✓	✓	✓	✓
22	561658072	SARAN,K	III.B.PHARM	✓	✓	✓	✓	✓	✓



Dr. N.SENTHIL KUMAR,  
PRINCIPAL

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24	561658074	SATHEESH KUMAR.V	III.B.PHARM	✓	✓	✓	✓	✓	✓
25	561658075	SELVAGANAPATHI.I	III.B.PHARM	✓	✓	✓	✓	✓	✓
26	561658076	SHAIMASHERIN.P	III.B.PHARM	✓	✓	✓	✓	✓	✓
27	561658077	SHRIDHARAN. L.K	III.B.PHARM	✓	✓	✓	✓	✓	✓
28	561658078	SHRIRAM.E	III.B.PHARM	✓	✓	✓	✓	✓	✓
29	561658079	SOUDARA PANDIYAN.G	III.B.PHARM	✓	✓	✓	✓	✓	✓
30	561658080	SOUNDARRAJAN.S	III.B.PHARM	✓	✓	✓	✓	✓	✓
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39	561658089	TAMILARASU.A	III.B.PHARM	✓	✓	✓	✓	✓	✓
40	561658090	VANITHA.M	III.B.PHARM	✓	✓	✓	✓	✓	✓
41	561658091	VENKATESH.S	III.B.PHARM	✓	✓	✓	✓	✓	✓
42	561658092	VENUGOPAL.R	III.B.PHARM	✓	✓	✓	✓	✓	✓
43	561658093	VIGNESH.B	III.B.PHARM	✓	✓	✓	✓	✓	✓
44	561658094	VIGNESH.R	III.B.PHARM	✓	✓	✓	✓	✓	✓
45	561658095	VIJAY.V	III.B.PHARM	✓	✓	✓	✓	✓	✓
46	561658096	VISHNU.M.S	III.B.PHARM	✓	✓	✓	✓	✓	✓
47	561658097	VISHNU PRIYA.S	III.B.PHARM	✓	✓	✓	✓	✓	✓
48	561658098	VIVEK.M	III.B.PHARM	✓	✓	✓	✓	✓	✓
49	561658099	YAZHLMOZHLS	III.B.PHARM	✓	✓	✓	✓	✓	✓
50	561758101	KARTHIKEYAN.R	III.B.PHARM	✓	✓	✓	✓	✓	✓
51	561858001	ACHUKA LORRAINE KWAMBOKA	I.B.PHARM	✓	✓	✓	✓	✓	✓
52	561858002	AKILESH.M	I.B.PHARM	✓	✓	✓	✓	✓	✓
53	561858003	ARCHANA.P	I.B.PHARM	✓	✓	✓	✓	✓	✓
54	561858004	BHARATH.M	I.B.PHARM	✓	✓	✓	✓	✓	✓
55	561858005	BERJIN KUMAR,B.R	I.B.PHARM	✓	✓	✓	✓	✓	✓
56	561858006	BHARATH.G	I.B.PHARM	✓	✓	✓	✓	✓	✓
57	561858007	BHAVADHARANIG	I.B.PHARM	✓	✓	✓	✓	✓	✓
58	561858008	BOOPATHI.K	I.B.PHARM	✓	✓	✓	✓	✓	✓



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# 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

ADD ON COURSE	NANOSTRUCTURE
DEPARTMENT	PHARMACEUTICAL CHEMISTRY
ACADEMIC YEAR	2018-2019
DATE	09.07.2018-30.07.2018
VENUE	SEMINAR HALL

STUDENT NAME : SARAN . K

COURSE : III - B. PHARM

ANSWER ALL THE QUESTION:

DATE: 30.07.2018

MULTIPLE CHOICE QUESTION

MARKS:20

1)The configuration of Buckminsterfullerene is

- a)12 Hexagons & 22 pentagons
- b)18 Hexagons & 15 pentagons
- c)20 Hexagons &12 pentagons
- d)15 Hexagon &15 pentagons

2)C60 is soluble in

- a) Water
- b) Ammonia
- c)HCL
- d) Benzene

3)CNTs stands for

- a) Carbon nanotubes
- b) Carbon nanotechnology
- c) Carbon nanoscience and technology
- d) Carbon nine technology

4)CNTs are capped on both ends with which carbon nanostructure?

- a) Graphite
- b) Diamond



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- c) C60
- d) Benzene

5) For the synthesis of CNTs, the quartz tube is heated upto

- a) 1000 °C
- b) 1200 °C
- c) 1400 °C

6) The metallic tubes have which kind of structure

- a) Armchair
- b) Chiral
- c) Boat
- d) Achiral

7) The carbon tubes have high conductivity.

- a) True
- b) False

8) Carbon nanotubes display magnetoresistance at low temperature

- a) True
- b) False

9) The main purpose of CNTs in fuel cells is

- a) Production of energy
- b) Active medium
- c) Catalyst
- d) Storage

10) Carbon nanotubes are poor transmitters of electromagnetic radiations due to their

- a) High conductivity
- b) Large surface area
- c) High porosity
- d) Chemical stability

11) Solution of pure buckminsterfullerene has a color of

- a) Green
- b) Purple
- c) Pink
- d) Yellow

12) HyFn stands for

- a) Hydrated fluorine



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- b) Hydrolysed fluorine
- c) Hydrolysed fullerene
- d) Hydrated fullerene

13) Nano sized polymers built from branched units are called

- a) Dendrimers
- b) Composites
- c) Carbon-based materials
- d) Metal-based materials

14) Which property of nanoparticles provides a driving force for diffusion?

- a) Optical properties
- b) High surface area to volume ratio
- c) Sintering
- d) There is no such property

15) The color of gold nanoparticles is

- a) Yellow
- b) Orange
- c) Red
- d) Variable

16) Quantum dots can be used in

- a) Crystallography
- b) Optoelectronics
- c) Mechanics
- d) Quantum physics

17) Vesicle is a type of

- a) Nanostructure
- b) Nanoparticle
- c) Nano cryst
- d) Supramolecular system

18) Zirconia is a hard, brittle ....

- a) Metal
- b) Non-metal
- c) Composite
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19) Nanoscale aluminium oxide increases the

- a) Conductivity
- b) Resistance
- c) Ductility
- d) Stability



20) Which nanomaterial is used for cutting tools?

- a) Fullerene
- b) Aerogel
- c) Tungsten
- d) Gold



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<b>ADD ON COURSE</b>	<b>NANO STRUCTURE</b>
<b>DEPARTMENT</b>	<b>PHARMACEUTICAL CHEMISTRY</b>
<b>ACADEMIC YEAR</b>	<b>2018-2019</b>
<b>DATE</b>	<b>09.07.2018-30.07.2018</b>
<b>VENUE</b>	<b>SEMINAR HALL</b>

**ANSWER ALL THE QUESTION:**

**DATE: 30.07.2018**

**MULTIPLE CHOICE QUESTION**

**MARKS:20**

1) The configuration of Buckminsterfullerene is

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- b) 18 hexagons & 15 pentagons
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- 4) CNTs are capped on both ends with which carbon nanostructure?
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- b) Hydrolysed fluorine
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- b) Optoelectronics**
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<b>ADD ON COURSE</b>	<b>NANO STRUCTURE</b>
<b>DEPARTMENT</b>	<b>PHARMACEUTICAL CHEMISTRY</b>
<b>ACADEMIC YEAR</b>	<b>2018-2019</b>
<b>DATE</b>	<b>09.07.2018-30.07.2018</b>
<b>VENUE</b>	<b>SEMINAR HALL</b>

## STUDENTS MARKSHEET

S.NO	REG.NO	NAME OF THE STUDENTS	COURSE	MARKS SCORED	% MARKS
1	561558010	EZHUMALAI.E	IV.B.PHARM	17	85
2	561558011	GAYATHRI.M	IV.B.PHARM	17	85
3	561558012	GAYATHRI.S	IV.B.PHARM	18	90
4	561558013	GEETHAMALAR.R	IV.B.PHARM	18	90
5	561558014	GOKULAVASAN.S	IV.B.PHARM	18	90
6	561558015	GOVINDARAJ.M	IV.B.PHARM	18	90
7	561558017	JANARTHANAN.K	IV.B.PHARM	18	90
8	561558018	JAYASEELAN.M	IV.B.PHARM	19	95
9	561558019	KIRUBAKARAN.K	IV.B.PHARM	18	90
10	561558020	KOSHILA.K.S	IV.B.PHARM	19	95
11	561558021	LAVANYA.M8	IV.B.PHARM	19	95
12	561558022	MADESH.C.R	IV.B.PHARM	18	90
13	561558023	MAIYARASAN.P	IV.B.PHARM	20	100
14	561558024	MOHAMAD RAHEES.C	IV.B.PHARM	17	85
15	561558026	MOHANA.V	IV.B.PHARM	18	90
16	561558027	MOHANRAJ.M	IV.B.PHARM	18	90



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17	561558028	MUNIRATHINAM.S	IV.B.PHARM	19	95
18	561558029	NASIF.K,P	IV.B.PHARM	16	80
19	561558030	NAVEEN PRABU.K	IV,B.PHARM	17	85
20	561558031	NITHYA,S	IV.B.PHARM	17	85
21	561658071	SARALA.R	III.B.PHARM	18	90
22	561658072	SARAN,K	III.B.PHARM	18	90
23	561658073	SATHEESH,P	III.B.PHARM	18	90
24	561658074	SATHEESH KUMAR.V	III.B.PHARM	19	95
25	561658075	SELVAGANAPATHI.I	III.B.PHARM	16	80
26	561658076	SHAIMASHERIN.P	III.B.PHARM	16	80
27	561658077	SHRIDHARAN. L.K	III.B.PHARM	17	85
28	561658078	SHRIRAM.E	III.B.PHARM	19	95
29	561658079	SOUDARA PANDIYAN.G	III.B.PHARM	19	95
30	561658080	SOUNDARRAJAN.S	III.B.PHARM	18	90
31	561658081	SOUDARA RAJA VEL.K	III.B.PHARM	20	100
32	561658082	SREEKANTH.P	III.B.PHARM	16	80
33	561658083	SRIRANGANATHAN RADHAKRISHNAN	III.B.PHARM	18	90
34	561658084	SUDHAKAR.K	III.B.PHARM	18	90
35	561658085	SURYA.S	III.B.PHARM	18	90
36	561658086	SYED ASIF.A	III.B.PHARM	19	95
37	561658087	SYED MOHAMED.S	III.B.PHARM	19	95
38	561658088	TAMILRASAN.M	III.B.PHARM	19	95
39	561658089	TAMILARASU.A	III.B.PHARM	19	95
40	561658090	VANITHA.M	III.B.PHARM	18	90
41	561658091	VENKATESH.S	III.B.PHARM	18	90
42	561658092	VENUGOPAL.R	III.B.PHARM	16	80
43	561658093	VIGNESH.B	III.B.PHARM	17	85
44	561658094	VIGNESH.R	III.B.PHARM	16	80



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45	561658095	VIJAY.V	III.B.PHARM	17	85
46	561658096	VISHNU.M.S	III.B.PHARM	16	80
47	561658097	VISHNU PRIYA.S	III.B.PHARM	18	90
48	561658098	VIVEK.M	III.B.PHARM	18	90
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58	561858008	BOOPATHI.K	I.B.PHARM	18	90



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## ADD ON COURSE FEEDBACK FORM

STUDENT NAME: SARAN K

DATE: 9/7/2018 - 30/7/2018

YEAR/ COURSE: III B.PHARM

NAME OF THE ADD ON COURSE: NANOSTRUCTURE

COURSE CODE: 18VA002

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 student's 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) 15+
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

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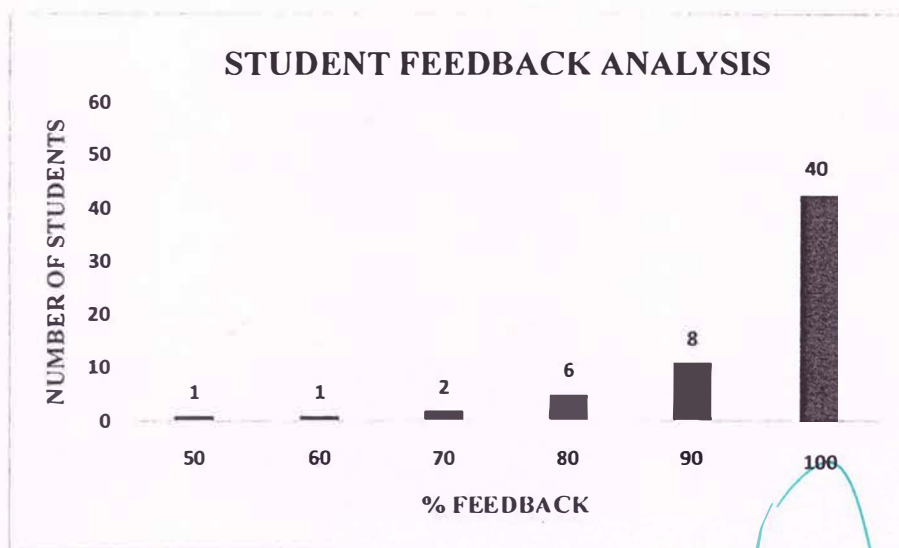


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## ADD ON COURSE FEEDBACK FORM ANALYSIS



**Dr. N.SENTHILKUMAR,**  
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# JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY CERTIFICATE OF PARTICIPATION

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

SARAN . K

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

NANO STRUCTURE

Organised by the Department of Pharmaceutical Chemistry

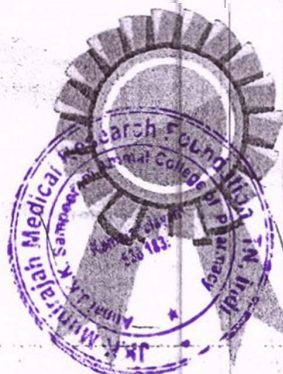
on

30/07/2018

  
Dr. N. SENTHILKUMAR,  
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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NAMAKKAL DISTRICT, TAMILNADU, INDIA.

  
COORDINATOR



  
Dr. N. SENTHILKUMAR,  
CONVENOR

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
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