



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

VALUE ADDED COURSE
TITLE: MOLECULAR & BIO-CHEMICAL PHARMACOLOGY
DEPARTMENT OF PHARMACOLOGY
ACEDAMIC YEAR: 2022-2023
(DATE: 06.02.2023 to 24.02.2023)
RESOURCE PERSONS:

1. Dr. V. Suresh M. PHARM, Ph.D.,
HEAD & PROFESSOR,
JKKMMRF'S ANNAI JKK SAMPOORANIAMMAL
COLLEGE OF PHARMACY, KOMARAPALAYAM.

2. Mr. N. Deepan M.PHARM.,
ASSISTANT PROFESSOR,
JKKMMRF'S ANNAI JKK SAMPOORANIAMMAL
COLLEGE OF PHARMACY, KOMARAPALAYAM.

No. of students enrolled: 70

No of Student Absent: 03

Objective:

No. of students certified: 67

The objective of this value-added Molecular & Bio-Chemical Pharmacology program provides the information about Molecular & Bio-Chemical Pharmacology in Pharmacological research. It provides vast knowledge on Molecular Pharmacology employed in Scientific Research. These value-added programs provide additional knowledge to the students other than their academic knowledge.

Note: Certificate will be issued only for the students attending more than 3 days.

Learning outcomes:

- Provides knowledge on Molecular Pharmacology.
- Develops practical skills on Bio-Chemical Pharmacology.
- The students were actively participated in these courses and gained knowledge on Molecular & Bio-Chemical Pharmacology.

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,



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

REF.NO: JKKM/PH-COLOGY /REQ/2023/012

Date: 01.02.2023

From,

Department of Pharmacology,
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.

Subject: Requesting Permission to conduct Value added course (Molecular & Bio-chemical Pharmacology)-regarding.

Respected Sir,

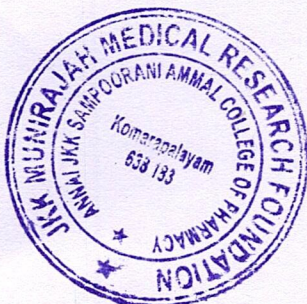
With due respect, we humbly request you to grand permission to conduct a seminar in the (Seminar Hall) during (06.02.2023 to 24.02.2023) on Molecular & Bio-chemical Pharmacology. It will be a very informative course for our students.

Kindly do the needful. We will be grateful to you sir.

Thank you

Yours sincerely,

HOD of Department.



Dr. N.SENTHILKUMAR,
PRINCIPAL

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CIRCULAR

This is inform to the **B.PHARM (SEM I & V), PHARM.D (I) and M. Pharm-IV SEM** Students that the following value added course can be conducted by the Department of Pharmacology, **JKKMMRF'S ANNAI JKK SAMPOORANIAMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM** and it will be commenced as per the schedule:

Course Name	Schedule	Duration	Venue	Resource Person
MOLECULAR & BIO-CHEMICAL PHARMACOLOGY	06.02.2023 to 24.02.2023	32 HRS	SEMINAR HALL	Dr. V. Suresh & Mr. N. Deepan

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.



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VALUE ADDED COURSE	MOLECULAR & BIO-CHEMICAL PHARMACOLOGY
DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2022-2023
DATE	06.02.2023 to 24.02.2023
VENUE	2ND- FLOOR (HALL NO: 3)

SYLLABUS

S.no	TOPIC	TIME	DURATION	RESOURCE PERSON
1.	Cellular metabolism	9.00 -10.30AM	1Hr & 30 mins	Dr. V. Suresh
		10.45-12.15 PM	1Hr & 30 mins	
	Cellular pathophysiology	1.30-3.00 PM	1Hr & 30 mins	
		3.15-4.45PM	1Hr & 30 mins	
2.	Enzymology	9.00 -10.30AM	1Hr & 30 mins	
		10.45-12.15 PM	1Hr & 30 mins	
	Ion-transport	1.30-3.00 PM	1Hr & 30 mins	
		3.15-4.45PM	1Hr & 30 mins	
3.	lipid bio chemistry	9.00 -10.30AM	1Hr & 30 mins	Mr. N. Deepan
		10.45-12.15 PM	1Hr & 30 mins	
	Membrane biochemistry	1.30-3.00 PM	1Hr & 30 mins	
		3.15-4.45PM	1Hr & 30 mins	
4.	Molecular biology	9.00 -10.30AM	1Hr & 30 mins	
		10.45-12.15 PM	1Hr & 30 mins	
	Nuclear structure and function	1.30-3.00 PM	1Hr & 30 mins	
		3.15-4.45PM	1Hr & 30 mins	
5.	Protein chemistry	9.00 -10.30AM	1Hr & 30 mins	
		10.45-12.15 PM	1Hr & 30 mins	
	Conclusion	1.30-3.00 PM	1Hr & 30 mins	
		3.15-4.45PM	1Hr & 30 mins	



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RESOURCE PERSON:

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HEAD & PROFESSOR,
DEPARTMENT OF PHARMACOLOGY



Mr. N. DEEPAN, M. Pharm.,
ASSISTANT PROFESSOR,
DEPARTMENT OF PHARMACOLOGY

ORGANIZING COMMITTEE MEMBERS

G. THAMOTHARAN
G. MUTHUKUMARAN

A. SRINIVAS

TOPICS:

1. Cellular metabolism
2. Cellular pathophysiology
3. Enzymology
4. Iontransport
5. lipid bio chemistry
6. Membrane biochemistry
7. Molecular biology
8. Nuclear structure and function
9. Protein chemistry
10. Conclusion



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VALUE ADDED COURSE
ORGANIZED BY
DEPARTMENT OF PHARMACOLOGY
(Year: 2022-2023)



(DATE: 06/02/23 TO 24/02/23)

TOPIC:

**MOLECULAR & BIOCHEMICAL
PHARMACOLOGY**


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ETHIRMEDU, KOMARAPALAYAM - 638 183,
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Venue: **Jkkn New Building (2nd Floor Hall No: 3)**



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VALUE ADDED COURSE

TITLE: MOLECULAR & BIO-CHEMICAL PHARMACOLOGY

Department of Pharmacology

RESOURCE PERSON

DATE: (06.02.2023 to 24.02.2023)

1. Staff Profile



Name: Dr.V. Suresh, M.Pharm., Ph.D.,
Professor & HEAD,
Department of Pharmacology,

JKKMMRF's – Annai JKK Sampoorni Ammal College Pharmacy, Komarapalayam.

2. Staff Profile



Name: Mr.N. Deepan, M.Pharm.,
Assistant Professor,
Department of Pharmacology,

JKKMMRF's – Annai JKK Sampoorni Ammal College Pharmacy, Komarapalayam.



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NAME OF THE ORGANIZING DEPARTMENT: DEPARTMENT OF PHARMACOLOGY

VALUE ADD COURSE NAME : Molecular & Bio-chemical Pharmacology

ACADEMIC YEAR : 2022 - 2023

DATE : 06.02.2023 to 24.02.2023

FOLLOWING FACULTY MEMBERS ORGANIZING VALUE ADDED COURSE PROGRAM

S.NO	NAME OF THE FACUTLTIES	DESGINATION
1.	Mr. G. Thamodharan	Associate professor
2.	Mr. G. Muthukumaran	Associate professor
3.	Mr. A. Srinivas	Lecturer

HOD



PRINCIPAL

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DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2022-2023
DATE	06.02.2023to24.02.2023
VENUE	2ND-FLOOR(HALLNO:3)

STUDENT ENROLLMENT LIST

S.NO	REGISTER NO	STUDENTS NAME	YEAR	COURSE	SIGNATURE
1.	381910402	ALSHADA SHARF	IV	PHARM D	Alshada
2.	381910403	ANCYB	IV	PHARM D	Ancyb
3.	381910404	ARCHANAB	IV	PHARM D	Archana
4.	381910405	BALAJIS	IV	PHARM D	Balaji
5.	381910406	BHARATHM	IV	PHARM D	Bharathm
6.	381910407	DHILIPKUMARM	IV	PHARM D	Dhilipkumarm
7.	381910408	DONYD	IV	PHARM D	Donyd
8.	381910409	GODWINS	IV	PHARM D	Godwins
9.	381910410	JACKSONSELVINY	IV	PHARM D	Jack
10.	381910411	JAYAPRIYAN	IV	PHARM D	Jayapriyan
11.	381910413	JEEVITHAM	IV	PHARM D	Jeevitham
12.	381910414	JOSEPHCHINNAPPA RAJ J	IV	PHARM D	Joseph
13.	381910415	JOTHIMANIS	IV	PHARM D	Jothi
14.	381910416	KIRUTHIGA OB	IV	PHARM D	Kiruthi
15.	560021507542	JEEVADHARSHINIS	SEM-III	B.PHARM	Jeeva



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S.NO	REGISTER NO	STUDENTS NAME	YEAR	COURSE	SIGNATURE
16.	380020507527	SURYA S	III	PHARM D	Surya S
17.	380020507528	TAMILARASAN P	III	PHARM D	Tamilarasan
18.	380020507529	VASANTHKUMAR C	III	PHARM D	Vasanth
19.	380020507530	VINYABHAGATH B	III	PHARM D	Vinyabhagath
20.	BPY/1924/2022	SURESH C	SEM-I	B. PHARM	Suresh
21.	BPY/1925/2022	TAMILSELVAN M	SEM-I	B. PHARM	Tamil Selvan
22.	BPY/1926/2022	VAISHNAVI P	SEM-I	B. PHARM	P. Vaishnavi
23.	BPY/1927/2022	VASANTH R	SEM-I	B. PHARM	Vasanth R
24.	BPY/1928/2022	VENKATESHWARI K	SEM-I	B. PHARM	Venkatesh
25.	BPY/1929/2022	VIGNESHWARAN K	SEM-I	B. PHARM	Vignesh
26.	BPY/1930/2022	VIJAYANANTH A	SEM-I	B. PHARM	Vijayananth
27.	BPY/1931/2022	VISHNUKUMAR M	SEM-I	B. PHARM	Vishnu
28.	BPY/1932/2022	YESWANTH V	SEM-I	B. PHARM	Yes
29.	BPY/1933/2022	YUVARAJ C	SEM-I	B. PHARM	Gunabalan
30.	BPY/1934/2022	GUNABALAN R	SEM-I	B. PHARM	Gunde
31.	BPY/1935/2022	KAVINRAJA V	SEM-I	B. PHARM	Kavin Rajan
32.	BPY/1936/2022	SASINDRAN D	SEM-I	B. PHARM	Sasidran
33.	BPY/1937/2022	SANKAR S	SEM-I	B. PHARM	Sankar
34.	BPY/1938/2022	MOHAMMED AKRAM A	SEM-I	B. PHARM	Mohammed
35.	560020507524	DINESHKUMAR P	SEM-V	B. PHARM	Dinesh
36.	560020507525	DIVYA P	SEM-V	B. PHARM	Divya
37.	560020507526	GOKULRAJ M	SEM-V	B. PHARM	Gokul
38.	560020507527	GOKULAKANNAN P	SEM-V	B. PHARM	Gokulak
39.	560020507529	GOWTHAM J	SEM-V	B. PHARM	Gowtham
40.	560020507530	GOWTHAMAN K	SEM-V	B. PHARM	Gowtham K



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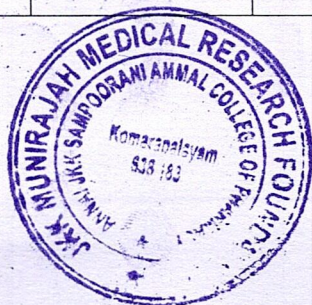
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S.NO	REGISTER NO	STUDENTS NAME	YEAR	COURSE	SIGNATURE
41.	560020507531	HARIHARAN K	SEM-V	B. PHARM	<i>[Signature]</i>
42.	560020507532	HARISHRAGUL G	SEM-V	B. PHARM	<i>[Signature]</i>
43.	560020507533	HARITHRAP S	SEM-V	B. PHARM	<i>[Signature]</i>
44.	560020507534	HARIVARMAN P	SEM-V	B. PHARM	<i>[Signature]</i>
45.	560020507535	HEMANATHN	SEM-V	B. PHARM	<i>[Signature]</i>
46.	560020507536	HEMANTHKUMAR. K	SEM-V	B. PHARM	<i>[Signature]</i>
47.	560020507537	JAGAN P	SEM-V	B. PHARM	<i>[Signature]</i>
48.	560020507538	JAGATHEEPP	SEM-V	B. PHARM	<i>[Signature]</i>
49.	560020507539	JEEVAE	SEM-V	B. PHARM	<i>[Signature]</i>
50.	560020507540	JEEVANANTHK	SEM-V	B. PHARM	<i>[Signature]</i>
51.	560020507541	JEYAPRAKASHS	SEM-V	B. PHARM	<i>[Signature]</i>
52.	560020507542	KAMALI A	SEM-V	B. PHARM	<i>[Signature]</i>
53.	261620507501	AJITHKUMAR B	SEM-IV	M.PHARM (PHARMACOLOGY)	<i>[Signature]</i>
54.	261620507502	AKASHRAJ K	SEM-IV	M.PHARM (PHARMACOLOGY)	<i>[Signature]</i>
55.	261620507503	DIVYASHALINIB	SEM-IV	M.PHARM (PHARMACOLOGY)	<i>[Signature]</i>
56.	261620507504	GANESHS	SEM-IV	M.PHARM (PHARMACOLOGY)	<i>[Signature]</i>
57.	261620507505	HEMAMALINIB	SEM-IV	M.PHARM (PHARMACOLOGY)	<i>[Signature]</i>
58.	261620507506	KAMALG	SEM-IV	M.PHARM (PHARMACOLOGY)	<i>[Signature]</i>
59.	261620507507	KAMALAKANNANM	SEM-IV	M.PHARM (PHARMACOLOGY)	<i>[Signature]</i>



[Signature]
Dr. N.SENTHILKUMAR,
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S.NO	REGISTER NO	STUDENT NAME	YEAR	COURSE	SIGNATURE
60.	261620507515	SREERAGVISWAM	SEM-IV	M.PHARM (PHARMACOLOGY)	
61.	261121507501	AMRITHAJ	SEM-II	M.PHARM (PHARMACEUTICS)	
62.	261121507502	ASHIKPM	SEM-II	M.PHARM (PHARMACEUTICS)	
63.	261121507503	AVINASH V	SEM-II	M.PHARM (PHARMACEUTICS)	
64.	MPY/945/2022	AMEERSUHAILAK	SEM-I	M.PHARM (PHARMACY PRACTICE)	
65.	MPY/946/2022	ASHROOKAHAMED	SEM-I	M.PHARM (PHARMACY PRACTICE)	
66.	MPY/947/2022	HEMAR	SEM-I	M.PHARM (PHARMACY PRACTICE)	
67.	MPY/948/2022	MOHAMMEDFAWAZ	SEM-I	M.PHARM (PHARMACY PRACTICE)	
68.	MPY/949/2022	MOHAMMEDSALE EK A K	SEM-I	M.PHARM (PHARMACY PRACTICE)	
69.	MPY/950/2022	SHAMEEMBABUM	SEM-I	M.PHARM (PHARMACY PRACTICE)	
70.	MPY/951/2022	NAINAMOHAMM ED V	SEM-I	M.PHARM (PHARMACY PRACTICE)	



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Principal	
VALUE ADDED COURSE	MOLECULAR & BIO-CHEMICAL PHARMACOLOGY
DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2022-2023
DATE	06.02.2023 to 24.02.2023
VENUE	2ND- FLOOR (HALL NO: 3)

STUDENT ATTENDANCE LIST

S.No	Register No	Students Name	Year	Course	DATE				
					06.02.23	10.02.23	17.02.23	20.02.23	24.02.23
1.	381910402	ALSHADA SHARF	IV	PHARM D	/	/	/	/	/
2.	381910403	ANCY B	IV	PHARM D	/	/	/	/	/
3.	381910404	ARCHANA B	IV	PHARM D	/	/	/	/	/
4.	381910405	BALAJI S	IV	PHARM D	/	/	/	/	/
5.	381910406	BHARATH M	IV	PHARM D	/	/	/	/	/
6.	381910407	DHILIP KUMAR M	IV	PHARM D	/	/	/	/	/
7.	381910408	DONY D	IV	PHARM D	/	/	/	/	/
8.	381910409	GODWIN S	IV	PHARM D	/	/	/	/	/
9.	381910410	JACKSON SELVIN Y*	IV	PHARM D	AB	AB	AB	AB	AB



Dr. N.SENTHILKUMAR,
PRINCIPAL

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY
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NAMAKKAL DISTRICT, TAMILNADU, INDIA.

10.	381910411	JAYA PRIYA N	IV	PHARM D	/	/	/	/	/
11.	381910413	JEEVITHA M	IV	PHARM D	/	/	/	/	/
12.	381910414	JOSEPH CHINNAPPA RAJ J*	IV	PHARM D	AB	AB	AB	AB	AB
13.	381910415	JOTHIMANI S	IV	PHARM D	/	/	/	/	/
14.	381910416	KIRUTHIGA O B	IV	PHARM D	/	/	/	/	/
15.	560021507542	JEEVADHARSHINI S	SEM-III	B.PHARM	/	/	/	/	/
16.	560021507543	KALAISELVAN S	SEM-III	B.PHARM	/	/	/	/	/
17.	560021507544	KANISHKUMAR P	SEM-III	B.PHARM	/	/	/	/	/
18.	560021507545	KARTHICK RAJU S	SEM-III	B.PHARM	/	/	/	/	/
19.	560021507546	KAVINKUMAR G	SEM-III	B.PHARM	/	/	/	/	/
20.	560021507547	KAVISELVAN R	SEM-III	B.PHARM	/	/	/	/	/
21.	560021507548	KAVYASRI S	SEM-III	B.PHARM	/	/	/	/	/
22.	560021507549	KIRUTHIGA T	SEM-III	B.PHARM	/	/	/	/	/
23.	560021507550	KOWSIHA S	SEM-III	B.PHARM	/	/	/	/	/
24.	560021507551	MADHAN KUMAR G	SEM-III	B.PHARM	/	/	/	/	/
25.	560021507552	MADHUMITHA K	SEM-III	B.PHARM	/	/	/	/	/
26.	560021507553	MANOJKUMAR M*	SEM-III	B.PHARM	AB	AB	AB	AB	AB
27.	560021507554	MEIVEL P	SEM-III	B.PHARM	/	/	/	/	/
28.	560021507555	MOHAN R	SEM-III	B.PHARM	/	/	/	/	/
29.	560021507556	NADHISH R	SEM-III	B.PHARM	/	/	/	/	/
30.	560021507557	NANDHINI N M	SEM-III	B.PHARM	/	/	/	/	/
31.	560021507558	NANDHINI R	SEM-III	B.PHARM	/	/	/	/	/



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NAMAKKAL DISTRICT, TAMILNADU, INDIA.

32.	560021507559	NAVEEN S	SEM-III	B.PHARM	/	/	/	/	/
33.	560021507560	NAVEEN KUMAR M	SEM-III	B.PHARM	/	/	/	/	/
34.	560021507561	NAVEENA K	SEM-III	B.PHARM	/	/	/	/	/
35.	56002050754 3	KAMALI S D	SEM-V	B.PHARM	/	/	/	/	/
36.	56002050754 4	KANNAPRAN M	SEM-V	B.PHARM	/	/	/	/	/
37.	56002050754 5	KARTHICKRAJA S	SEM-V	B.PHARM	/	/	/	/	/
38.	56002050754 6	KARTHIKEYAN M	SEM-V	B.PHARM	/	/	/	/	/
39.	56002050754 7	KASSIPRASATH G*	SEM-V	B.PHARM	7/3	7/2	7/1	7/3	7/3
40.	56002050754 8	KESIYAMOL VARGEESH	SEM-V	B.PHARM	/	/	/	/	/
41.	56002050754 9	KISHOREKUMAR M	SEM-V	B.PHARM	/	/	/	/	/
42.	56002050755 0	KOUSALYA R	SEM-V	B.PHARM	/	/	/	/	/
43.	56002050755 1	KUPENDRAN S	SEM-V	B.PHARM	/	/	/	/	/
44.	56002050755 2	LINDA DINOLIN B A	SEM-V	B.PHARM	/	/	/	/	/
45.	561958025	GOWTHAM D	SEM-VII	B.PHARM	/	/	/	/	/
46.	561958026	GOWTHAMAN R	SEM-VII	B.PHARM	/	/	/	/	/
47.	561958028	GUNAL R	SEM-VII	B.PHARM	/	/	/	/	/
48.	561958029	GUNASEKAR K	SEM-VII	B.PHARM	/	/	/	/	/
49.	561958031	HARIKRISHNAN M	SEM-VII	B.PHARM	/	/	/	/	/
50.	561958032	JEEVANANTHAM S	SEM-VII	B.PHARM	/	/	/	/	/



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51.	561958033	JEGANPATHY S	SEM-VII	B.PHARM	/	/	/	/	/
52.	561958036	KARTHI V	SEM-VII	B.PHARM	/	/	/	/	/
53.	561958037	KARTHICK M	SEM-VII	B.PHARM	/	/	/	/	/
54.	561958038	KARTHIKA M	SEM-VII	B.PHARM	/	/	/	/	/
55.	561958039	KAVIN P	SEM-VII	B.PHARM	/	/	/	/	/
56.	26162050751 0	LATHA S	SEM-IV	M.PHARM (PHARMAC OLOGY)	/	/	/	/	/
57.	26162050751 1	MANIKANDAN K	SEM-IV	M.PHARM (PHARMAC OLOGY)	/	/	/	/	/
58.	26162050751 3	PAVITHRA D	SEM-IV	M.PHARM (PHARMAC OLOGY)	/	/	/	/	/
59.	26162050751 4	SANKAR N	SEM-IV	M.PHARM (PHARMAC OLOGY)	/	/	/	/	/
60.	26162050751 5	SREERAG VISWAM	SEM-IV	M.PHARM (PHARMAC OLOGY)	/	/	/	/	/
61.	26112150750 1	AMRITHA J	SEM-II	M.PHARM (PHARMAC EUTICS)	/	/	/	/	/
62.	26112150750 2	ASHIK P M	SEM-II	M.PHARM (PHARMAC EUTICS)	/	/	/	/	/
63.	26112150750 3	AVINASH V	SEM-II	M.PHARM (PHARMAC EUTICS)	/	/	/	/	/
64.	MPY/945/202 2	AMEER SUHAIL A K	SEM-I	M.PHARM (PHARMAC Y PRACTICE)	/	/	/	/	/

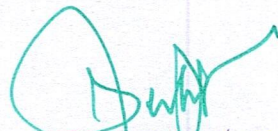


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65.	MPY/946/202 2	ASHROOK AHAMED E K	SEM-I	M.PHARM (PHARMAC Y PRACTICE)	/	/	/	/	/
66.	MPY/947/202 2	HEMA R	SEM-I	M.PHARM (PHARMAC Y PRACTICE)	/	/	/	/	/
67.	MPY/948/202 2	MOHAMMED FAWAZ	SEM-I	M.PHARM (PHARMAC Y PRACTICE)	/	/	/	/	/
68.	MPY/949/202 2	MOHAMMED SALEEK A K	SEM-I	M.PHARM (PHARMAC Y PRACTICE)	/	/	/	/	/
69.	MPY/950/202 2	SHAMEEM BABU M	SEM-I	M.PHARM (PHARMAC Y PRACTICE)	/	/	/	/	/
70.	MPY/951/202 2	NAINA MOHAMMED V	SEM-I	M.PHARM (PHARMAC Y PRACTICE)	/	/	/	/	/




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Principal

VALUE ADDED COURSE	MOLECULAR & BIO-CHEMICAL PHARMACOLOGY
DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2022-2023
DATE	06.02.2023 to 24.02.2023
VENUE	2ND- FLOOR (HALL NO: 3)

MULTIPLE CHOICE QUESTION

ANSWER ALL THE QUESTION

Date: 24.02.2023

S. LATHA

CHOOSE THE CORRECT ANSWERS:

Mark: 10x2=20

- Which of the following is false about glycogen molecules?
 - Glycogen is a polysaccharide
 - Glycogen is a polymer of beta-D-Glucose
 - Glycogen consists of $\alpha(1-4)$ and $\alpha(1-6)$ glycosidic linkage
 - Glycogen have are a helical structure with branching.
- Which of the following organs does not have glycogen storage?
 - Liver
 - Muscle
 - Intestine
 - Erythrocyte



[Signature]
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Principal

3. Which of the following enzyme is responsible for glycogen breakdown?

- a) Glycogen phosphorylase
- b) Glycogen phosphatase
- c) Glycogen hydrolase
- d) Glycogen phospho beta-glucosidase

4. Liver glycogen contributes to the maintenance of glucose but not muscle glycogen.

Which of the following enzyme is absent in muscle?

- a) Glycogen phosphorylase
- b) Hexokinase
- c) Glucose-6-phosphatase
- d) Debranching enzyme

5. Which of the enzyme is responsible for the hydrolysis of α (1-6) glycosidic bond present at a branching point of glycogen molecules?

- a) β -Glucosidase
- b) α - Glucosidase
- c) Glycosidase
- d) Phosphorylase



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6. Glycogen phosphorylase is responsible for the breakdown of glycogen to.....
- a) Glucose
 - b) Glucose-1-phosphate
 - c) Glucose-6-phosphate
 - d) Maltose
7. Which of the following is false about enzyme glycogen phosphorylase of glycogen breakdown?
- a) Glycogen phosphorylase possess high-affinity binding to glycogen in T conformational state
 - b) Glycogen phosphorylase is present in two conformation state
 - c) Glycogen phosphorylase is active as a homodimer
 - d) Glycogen phosphorylase high-affinity binding to glycogen in R conformation state
8. Which of the following is not the direct/ indirect activator of glycogen phosphorylase in muscle?
- a) AMP
 - b) Ca⁺⁺
 - c) Epinephrine
 - d) Insulin
9. Which of the following protein is required for de novo synthesis of glycogen?
- a) Glycoprotein
 - b) Glycogenin
 - c) Proteoglycan
 - d) Glucogenin




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10. All the following enzymes are involved in glycogen synthesis, **Except**

- a) Hexokinase
- b) Phosphoglucomutase
- c) Glucose-1-P uridylyltransferase
- d) Glycogen synthetas




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VALUE ADDED COURSE	MOLECULAR & BIO-CHEMICAL PHARMACOLOGY
DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2022-2023
DATE	06.02.2023 to 24.02.2023
VENUE	2ND- FLOOR (HALL NO: 3)

MULTIPLE CHOICE QUESTION

(ANSWERS)

Date: 29.07.2022

I. CHOOSE THE CORRECT ANSWERS:

Mark: 10x2=20

1. Which of the following is false about glycogen molecules?

- Glycogen is a polysaccharide
- Glycogen is a polymer of beta-D-Glucose**
- Glycogen consists of $\alpha(1-4)$ and $\alpha(1-6)$ glycosidic linkage
- Glycogen have are a helical structure with branching.

2. Which of the following organs does not have glycogen storage?

- Liver
- Muscle
- Intestine
- Erythrocyte**

3. Which of the following enzyme is responsible for glycogen breakdown?

- Glycogen phosphorylase**
- Glycogen phosphatase



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- c) Glycogen hydrolase
- d) Glycogen phospho beta-glucosidase

4. Liver glycogen contributes to the maintenance of glucose but not muscle glycogen.

Which of the following enzyme is absent in muscle?

- a) Glycogen phosphorylase
- b) Hexokinase
- c) **Glucose-6-phosphatase**
- d) Debranching enzyme

5. Which of the enzyme is responsible for the hydrolysis of α (1-6) glycosidic bond present at a branching point of glycogen molecules?

- a) β -Glucosidase
- b) **α - Glucosidase**
- c) Glycosidase
- d) Phosphorylase

6. Glycogen phosphorylase is responsible for the breakdown of glycogen to.....

- a) Glucose
- b) Glucose-1-phosphate
- c) **Glucose-6-phosphate**
- d) Maltose

7. Which of the following is false about enzyme glycogen phosphorylase of glycogen breakdown?

- a) **Glycogen phosphorylase possess high-affinity binding to glycogen in T conformational state**
- b) Glycogen phosphorylase is present in two conformation state
- c) Glycogen phosphorylase is active as a homodimer
- d) Glycogen phosphorylase high-affinity binding to glycogen in R conformation state

8. Which of the following is not the direct/ indirect activator of glycogen phosphorylase in muscle?




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- a) AMP
- b) Ca⁺⁺
- c) Epinephrine
- d) **Insulin**

9. Which of the following protein is required for de novo synthesis of glycogen?

- a) Glycoprotein
- b) **Glycogenin**
- c) Proteoglycan
- d) Glucogenin

10. All the following enzymes are involved in glycogen synthesis, **Except**

- a) Hexokinase
- b) Phosphoglucomutase
- c) Glucose-1-P uridylyltransferase
- d) **Glycogen synthetase**




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DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2022-2023
DATE	05.07.2022 to 29.07.2022
VENUE	2ND- FLOOR (HALL NO: 3)

STUDENT MARK LIST

S.NO	Register No	Students Name	Year	Course	Mark obtained	Mark %
1.	381910402	ALSHADA SHARF	IV	PHARM D	18	90
2.	381910403	ANCY B	IV	PHARM D	15	75
3.	381910404	ARCHANA B	IV	PHARM D	18	90
4.	381910405	BALAJI S	IV	PHARM D	14	70
5.	381910406	BHARATH M	IV	PHARM D	16	80
6.	381910407	DHILIP KUMAR M	IV	PHARM D	18	90
7.	381910408	DONY D	IV	PHARM D	17	85
8.	381910409	GODWIN S	IV	PHARM D	14	70
9.	381910410	JACKSON SELVIN Y	IV	PHARM D	AB	AB
10.	381910411	JAYA PRIYA N	IV	PHARM D	20	100
11.	381910413	JEEVITHA M	IV	PHARM D	20	100
12.	381910414	JOSEPH CHINNAPPA	IV	PHARM D	AB	AB



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NAMAKKAL DISTRICT, TAMILNADU, INDIA.

		RAJ J				
13.	381910415	JOTHIMANI S	IV	PHARM D	20	100
14.	381910416	KIRUTHIGA O B	IV	PHARM D	20	100
15.	560021507542	JEEVADHARSHINI S	SEM-III	B.PHARM	14	70
16.	560021507543	KALAISELVAN S	SEM-III	B.PHARM	16	80
17.	560021507544	KANISHKUMAR P	SEM-III	B.PHARM	18	90
18.	560021507545	KARTHICK RAJU S	SEM-III	B.PHARM	17	85
19.	560021507546	KAVINKUMAR G	SEM-III	B.PHARM	14	70
20.	560021507547	KAVISELVAN R	SEM-III	B.PHARM	18	90
21.	560021507548	KAVYASRI S	SEM-III	B.PHARM	19	95
22.	560021507549	KIRUTHIGA T	SEM-III	B.PHARM	20	100
23.	560021507550	KOWSIHA S	SEM-III	B.PHARM	20	100
24.	560021507551	MADHAN KUMAR G	SEM-III	B.PHARM	20	100
25.	560021507552	MADHUMITHA K	SEM-III	B.PHARM	20	100
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30.	560021507557	NANDHINI N M	SEM-III	B.PHARM	20	100
31.	560021507558	NANDHINI R	SEM-III	B.PHARM	20	100
32.	560021507559	NAVEEN S	SEM-III	B.PHARM	20	100
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37.	560020507545	KARTHICKRAJA S	SEM-V	B.PHARM	14	70



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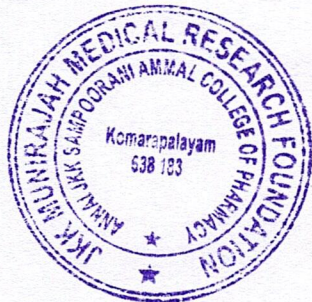
38.	560020507546	KARTHIKEYAN M	SEM-V	B.PHARM	16	80
39.	560020507547	KASSIPRASATH G	SEM-V	B.PHARM	19	95
40.	560020507548	KESIYAMOL VARGEESH	SEM-V	B.PHARM	17	85
41.	560020507549	KISHOREKUMAR M	SEM-V	B.PHARM	14	70
42.	560020507550	KOUSALYA R	SEM-V	B.PHARM	18	90
43.	560020507551	KUPENDRAN S	SEM-V	B.PHARM	19	95
44.	560020507552	LINDA DINOLIN B A	SEM-V	B.PHARM	20	100
45.	561958025	GOWTHAM D	SEM-VII	B.PHARM	20	100
46.	561958026	GOWTHAMAN R	SEM-VII	B.PHARM	20	100
47.	561958028	GUNAL R	SEM-VII	B.PHARM	20	100
48.	561958029	GUNASEKAR K	SEM-VII	B.PHARM	16	80
49.	561958031	HARIKRISHNAN M	SEM-VII	B.PHARM	18	90
50.	561958032	JEEVANANTHAM S	SEM-VII	B.PHARM	17	85
51.	561958033	JEGANPATHY S	SEM-VII	B.PHARM	14	70
52.	561958036	KARTHI V	SEM-VII	B.PHARM	18	90
53.	561958037	KARTHICK M	SEM-VII	B.PHARM	19	95
54.	561958038	KARTHIKA M	SEM-VII	B.PHARM		
55.	561958039	KAVIN P	SEM-VII	B.PHARM	16	80
56.	261620507510	LATHA S	SEM-IV	M.PHARM (PHARMACOLOGY)	18	90
57.	261620507511	MANIKANDAN K	SEM-IV	M.PHARM (PHARMACOLOGY)	17	85
58.	261620507513	PAVITHRA D	SEM-IV	M.PHARM (PHARMACOLOGY)	14	70
59.	261620507514	SANKAR N	SEM-IV	M.PHARM (PHARMACOLOGY)	18	90



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NAMAKKAL DISTRICT, TAMIL NADU, INDIA.

				Y)		
60.	261620507515	SREERAG VISWAM	SEM-IV	M.PHARM (PHARMACOLOG Y)	19	95
61.	261121507501	AMRITHA J	SEM-II	M.PHARM (PHARMACEUTIC S)	20	100
62.	261121507502	ASHIK P M	SEM-II	M.PHARM (PHARMACEUTIC S)	18	90
63.	261121507503	AVINASH V	SEM-II	M.PHARM (PHARMACEUTIC S)	15	75
64.	MPY/945/2022	AMEER SUHAIL A K	SEM-I	M.PHARM (PHARMACY PRACTICE)	18	90
65.	MPY/946/2022	ASHROOK AHAMED E K	SEM-I	M.PHARM (PHARMACY PRACTICE)	15	75
66.	MPY/947/2022	HEMA R	SEM-I	M.PHARM (PHARMACY PRACTICE)	18	90
67.	MPY/948/2022	MOHAMMED FAWAZ	SEM-I	M.PHARM (PHARMACY PRACTICE)	14	70
68.	MPY/949/2022	MOHAMMED SALEEK A K	SEM-I	M.PHARM (PHARMACY PRACTICE)	16	80
69.	MPY/950/2022	SHAMEEM BABU M	SEM-I	M.PHARM (PHARMACY PRACTICE)	18	90
70.	MPY/951/2022	NAINA MOHAMMED V	SEM-I	M.PHARM (PHARMACY PRACTICE)	18	90



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

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

Principal	
VALUE ADDED COURSE	MOLECULAR & BIO-CHEMICAL PHARMACOLOGY
DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2022-2023
DATE	06.02.2023 to 24.02.2023
VENUE	2ND- FLOOR (HALL NO: 3)

VALUE ADDED COURSE

FEEDBACK FORM

STUDENTNAME: *KAVYASRI.S*

YEAR/ COURSE: *II - B.Pharm*

NAME OF THE VALUE ADDED COURSE: *Molecular & Bio-Chemical Pharmacology*

COURSECODE: -

EVALUATE HONESTLY:

DATE: *24/02/23*

DURATION: *5days*

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

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%



Kavitha S
SIGNATURE

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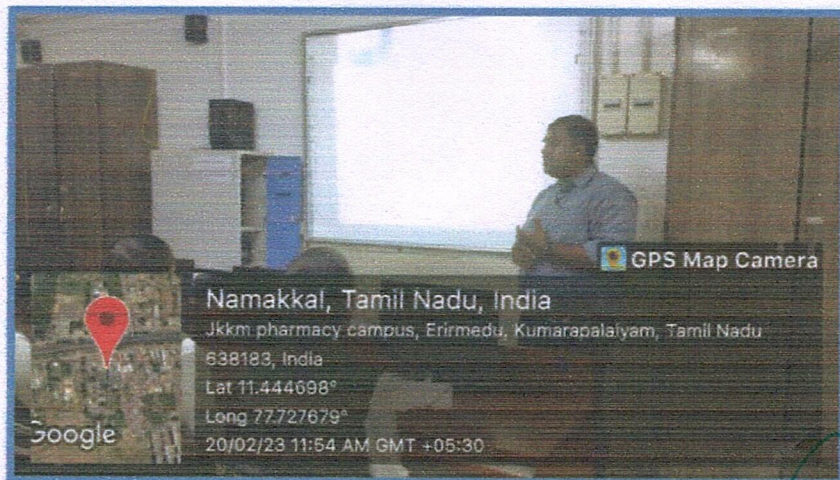
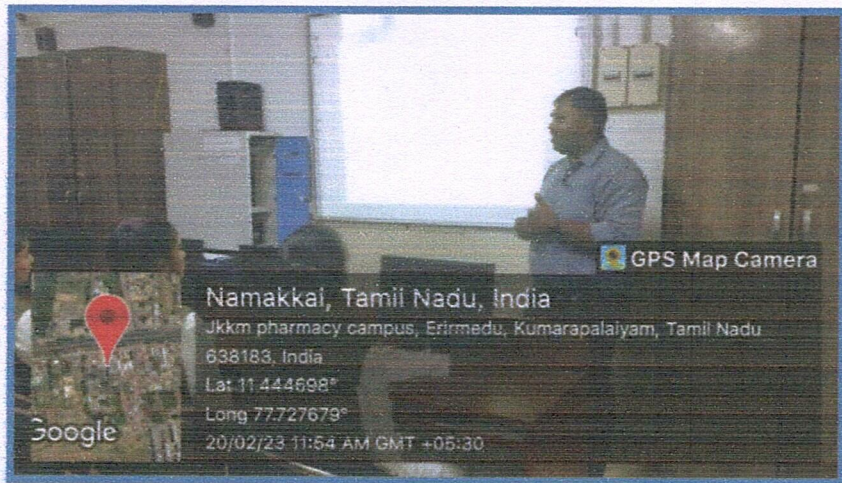
DEPARTMENT OF PHARMACOLOGY

TOPIC: MOLECULAR & BIO-CHEMICAL PHARMACOLOGY

ACEDAMIC YEAR: 2022-2023

06.02.2023 to 24.02.2023

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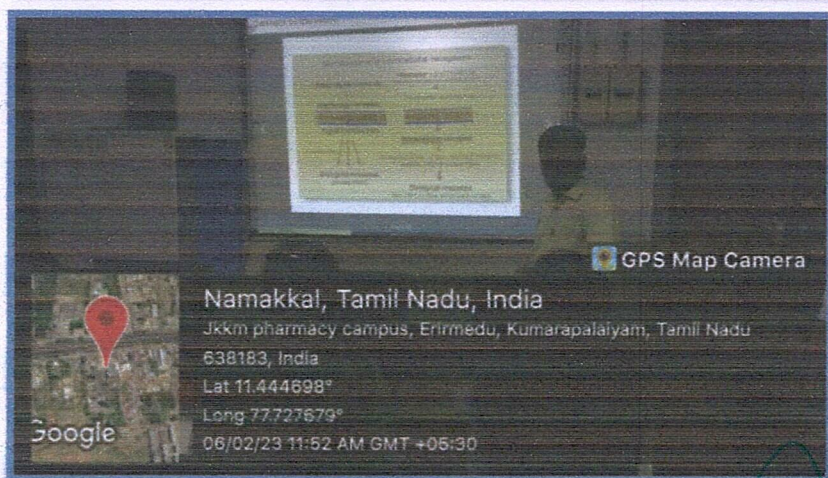
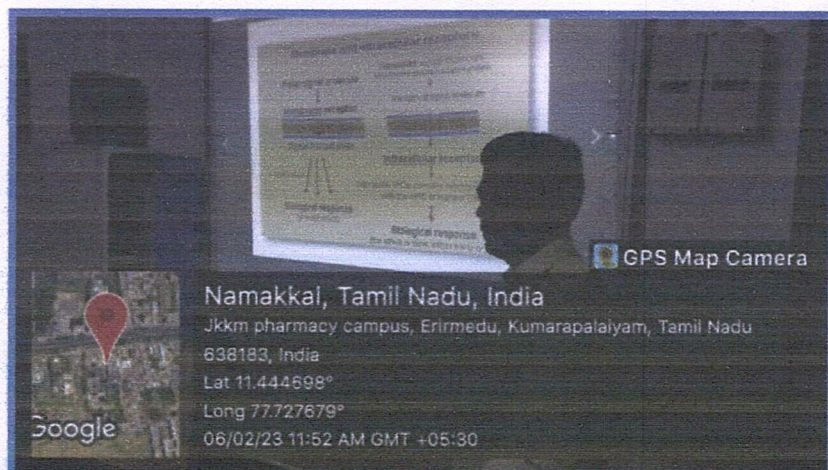
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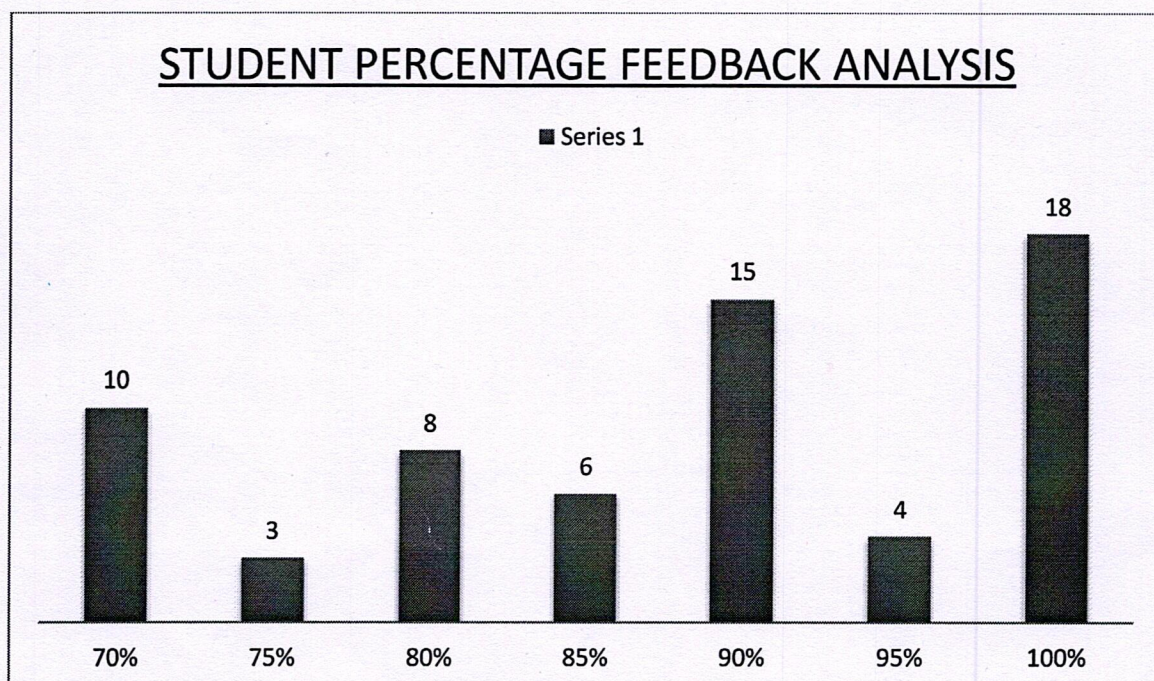
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DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2022-2023
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STUDENT FEEDBACK ANALYSIS



Dr. N.SENTHILKUMAR,
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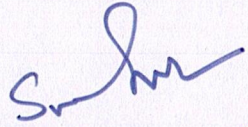
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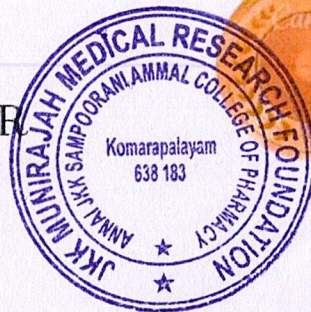
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OF PHARMACY
KOMARAPALAYAM
VALUE ADDED COURSE

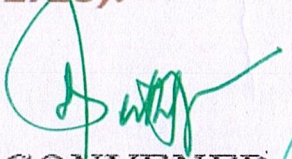
organized by
DEPARTMENT OF PHARMACOLOGY

KAVYASRI.S

*Has appreciated for his / her participation in the VALUE ADDED
COURSE on
MOLECULAR & BIOCHEMICAL PHARMACOLOGY organized by the Department of
Pharmacology on (06/02/23 TO 10/02/23).*


PROGRAM
COORDINATOR




CONVENER


Dr. N.SENTHILKUMAR,
PRINCIPAL,

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ETHIRMEDU, KOMARAPALAYAM - 638 183,
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