



# 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

VALUE ADDED COURSE	RESEARCH TYPES
DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2019-2020
DATE	02.03.2020 to 26.03.2020
VENUE	SEMINAR HALL

## REPORT

### VALUE ADDED COURSE - TYPES OF RESEARCH

VENUE: SEMINAR HALL

DATED: 02.03.2020-26.03.2020

#### RESOURCE PERSONS:

1. Dr. V. Suresh M.PHARM, Ph.D.,  
HEAD & PROFESSOR,

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

2. Mr.G.Thamotharan, M.PHARM, (Ph.D).,  
ASSOCIATE PROFESSOR,

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

No. of students enrolled: 65

No. of students certified: 62

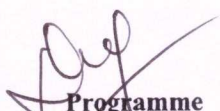
#### Objective:

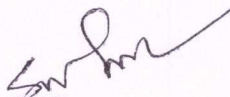
The objective of this value added Types Of Research program provides the information about Research Types in Pharmaceutical science. It provides vast knowledge on principle, procedure and clinical application of different research types. These value added program provides additional knowledge to the students other than their academic knowledge.

#### Learning outcomes:

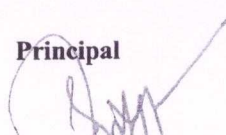
- Provides knowledge on different types of research in Pharmaceutical sciences
- Develops comprehensive knowledge on Research types

The students were actively participated in these course and gained knowledge on Research types.

  
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.

  
Dr. N.SENTHILKUMAR,  
PRINCIPAL

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

REF.NO: JKKM/PH-COLOGY /REQ/2020/006

Date: 28.02.2020

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 seminar (**RESEARCH TYPES**)-regarding.  
Respected Sir,

With due respect, we humbly request you to grand permission to conduct a seminar in the (Seminar Hall) during (02.03.2020 to 26.03.2020) on **RESEARCH TYPES**. 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

JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY  
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**Dr. N.SENTHILKUMAR,**  
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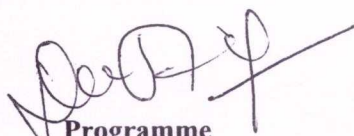
## CIRCULAR

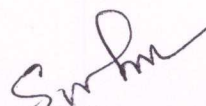
This is inform to the B.PHARM -IV year, PHARM.D (I,II,III,IV &V) and M.Pharm-III SEM Students that the following value added course can be conducted by the Department of Pharmacology, JKKMMRF'S ANNAI JKK SAMPOORANIAMMAL COLLEGE OF PHARMACY, KOMARAPALAYAM and it will be commenced as per the schedule:

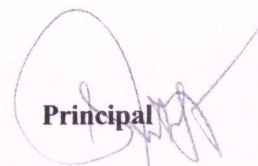
Course Name	Schedule	Duration	Venue	Resource Person
RESEARCH TYPES	02.03.2020 to 26.03.2020	32 HRS	SEMINAR HALL	Dr.V.Suresh & Mr.G.Thamotharan


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. SENTHIKUMAR,  
PRINCIPAL

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Dr. N. SENTHIKUMAR,  
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## SYLLABUS

S.no	TOPIC	TIME	DURATION	RESOURCE PERSON
1.	Introduction to Research	9.00 -10.30AM	1Hr & 30 mins	Dr.V.Suresh
		10.45-12.15 PM	1Hr & 30 mins	
	Basic research	1.30-3.00 PM	1Hr & 30 mins	
		3.15-4.45PM	1Hr & 30 mins	
2.	Applied research	9.00 -10.30AM	1Hr & 30 mins	
		10.45-12.15 PM	1Hr & 30 mins	
	Descriptive research	1.30-3.00 PM	1Hr & 30 mins	
		3.15-4.45PM	1Hr & 30 mins	
3.	Ethnographic research	9.00 -10.30AM	1Hr & 30 mins	Mr.G.Thamotharan
		10.45-12.15 PM	1Hr & 30 mins	
	Exploratory research	1.30-3.00 PM	1Hr & 30 mins	
		3.15-4.45PM	1Hr & 30 mins	
4.	Correlational research	9.00 -10.30AM	1Hr & 30 mins	
		10.45-12.15 PM	1Hr & 30 mins	
	Experimental research	1.30-3.00 PM	1Hr & 30 mins	
		3.15-4.45PM	1Hr & 30 mins	
5.	Quasi - experimental research	9.00 -10.30AM	1Hr & 30 mins	
		10.45-12.15 PM	1Hr & 30 mins	
	Problems faced by Researchers	1.30-3.00 PM	1Hr & 30 mins	
		3.15-4.45PM	1Hr & 30 mins	

*Suresh*  
(HOD)

*[Signature]*  
Dr. N. Senthilkumar,  
PRINCIPAL

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*[Signature]*  
Dr. N. Senthilkumar,  
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## BROCHURE

**Resource person:**



**Dr. V. Suresh, M.PHARM, Ph.D.**  
Head & Professor  
Department of Pharmacology  
JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE  
OF PHARMACY, KOMARAPALAYAM




**Dr. P. Hanumantham, M.PHARM, Ph.D.**  
ASSOCIATE PROFESSOR  
Department of Pharmacology  
JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL COLLEGE  
OF PHARMACY, KOMARAPALAYAM

Topics:

1. Introduction to Research	6. Tables and figures
2. Basic research	7. Reference styles
3. Applied research	8. Strategy of project proposal
4. Descriptive research	9. Oral presentation
5. Ethnographic research	10. Poster presentation

**VENUE: JKKMMRF - COLLEGE OF PHARMACY SEMINAR**



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Tamilnadu Dr.M.G.R Medical University, Chennai

**VALUE ADDED COURSE**  
Organized by:

Year: 2018 - 2019  
**Department of Pharmacology,**  
J.K.K.MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S  
ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,  
ETHIRMEDU, KOMARAPALAYAM - 638 183,  
NAMAKKAL DISTRICT, TAMILNADU.

**DATE: 02.03.2020 to 26.03.2020**

**TITLE: RESEARCH TYPE**

*Senthil Kumar*  
(HOD)

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

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

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

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## STUDENTS ENROLLMENT LIST

S.NO	Register No	Students Name	Year	Course
1.	561658048	NIKAN KARIMZADEH	IV YR	B.PHARM
2.	561658049	NIRMALRAJ M	IV YR	B.PHARM
3.	561658050	NISANTHINI M	IV YR	B.PHARM
4.	561658051	PARTHASARATHY K	IV YR	B.PHARM
5.	561658052	PAVITHRA B	IV YR	B.PHARM
6.	561658053	POOVARASAN N	IV YR	B.PHARM
7.	561658054	PRABAHARAN B	IV YR	B.PHARM
8.	561658055	PRAKASH J	IV YR	B.PHARM
9.	561658056	PRAVEEN KUMAR M	IV YR	B.PHARM
10.	561658057	PRIYA DHARSHINI R	IV YR	B.PHARM
11.	561658058	RAGUL A	IV YR	B.PHARM
12.	561658059	RAHIMAN K	IV YR	B.PHARM
13.	561658060	RAHULANAND K	IV YR	B.PHARM
14.	561658061	RAMAKRISHNAN S	IV YR	B.PHARM
15.	561658062	RAMKUMAR R	IV YR	B.PHARM
16.	261910814	VIBIN BOSE R	SEM-I	M.PHARM (PHARMACEUTICS)
17.	261910815	VINOTHRAJ G	SEM-I	M.PHARM (PHARMACEUTICS)
18.	261930708	MANIMEGALAI A	SEM-I	M.PHARM (PHARMACEUTICAL ANALYSIS)
19.	261940562	REEMA M A	SEM-I	M.PHARM (PHARMACY PRACTICE)
20.	261940563	SHAHANASHERIN M	SEM-I	M.PHARM (PHARMACY PRACTICE)
21.	261940564	SREEHARI K	SEM-I	M.PHARM (PHARMACY PRACTICE)
22.	261940565	YUVARANI VENKATACHALAM	SEM-I	M.PHARM (PHARMACY PRACTICE)

**Dr. N.SENTHILKUMAR,**  
PRINCIPAL

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23.	261925710	MAGESHWARI R	SEM-I	M.PHARM (PHARMACOLOGY)
24.	261925711	MANIMEGALAI A	SEM-I	M.PHARM (PHARMACOLOGY)
25.	261925712	MUTHU KUMAR S	SEM-I	M.PHARM (PHARMACOLOGY)
26.	261925713	NAVEELAN M	SEM-I	M.PHARM (PHARMACOLOGY)
27.	261925714	SRI INDU N	SEM-I	M.PHARM (PHARMACOLOGY)
28.	261925715	SUBALAKSHMI P	SEM-I	M.PHARM (PHARMACOLOGY)
29.	381410413	MARIA JOY	VI	PHARM D
30.	381410414	MEGHA K BAIJU	VI	PHARM D
31.	381410416	MOHAN K	VI	PHARM D
32.	381410417	NAVEENKUMAR D	VI	PHARM D
33.	381410419	REEMA K A	VI	PHARM D
34.	381510423	SHERIN ELZA JOHN	V	PHARM D
35.	381510424	SILPA GOPINATH.M	V	PHARM D
36.	381510407	JEBISHA.Y.J	V	PHARM D
37.	381610417	NEDA MEHRAFAR	IV	PHARM D
38.	381610418	NIKIN S	IV	PHARM D
39.	381610419	RAJARAJARATHINAM	IV	PHARM D
40.	381710401	ANDLY CHEDRICK C	III	PHARM D
41.	381710402	ASHA M	III	PHARM D
42.	381710403	ASHRITHA D N	III	PHARM D
43.	381710404	DEEPIKA K	III	PHARM D
44.	381810429	N THIRUMURUGAN	II	PHARM D
45.	381810430	VENKATESH A	II	PHARM D
46.	381910415	JOTHIMANI S	I	PHARM D
47.	381910416	KIRUTHIGA O B	I	PHARM D
48.	381910417	MAHALAKSHMI M	I	PHARM D
49.	381910418	NAVEENA S	I	PHARM D
50.	381910419	PRABHAT KUMAR GUPTA	I	PHARM D
51.	381910420	PRADESH C	I	PHARM D
52.	381910421	RAMYA G K	I	PHARM D
53.	381910422	SHANMUGAPRIYA D	I	PHARM D
54.	381910423	SILAMBARASAN M	I	PHARM D
55.	381910424	SOUNDHAR K	I	PHARM D
56.	561658063	RAMYA E	IV YR	B.PHARM
57.	561658064	RANJITH M	IV YR	B.PHARM
58.	561658065	RAVICHANDRAN K	IV YR	B.PHARM
59.	561658066	SALMANSHERIFF K	IV YR	B.PHARM
60.	561658067	SANGEETHA R	IV YR	B.PHARM
61.	561658068	SANTHIYA G	IV YR	B.PHARM
62.	561658069	SANTHOSH S	IV YR	B.PHARM
63.	561658070	SANTHOSH KUMAR P	IV YR	B.PHARM
64.	561658071	SARALA R	IV YR	B.PHARM
65.	561658072	SARAN K	IV YR	B.PHARM

Dr. N. SENTHILKUMAR,  
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*Senthil*

*Senthil*  
Dr. N. SENTHILKUMAR,  
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					02/03/2020	06/03/2020	08/03/2020	15/03/2020	26/03/2020		
1.	561658048	NIKAN KARIMZADEH	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present	
2.	561658049	NIRMALRAJ M	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present	
3.	561658050	NISANTHINI M	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present	
4.	561658051	PARTHASARATHY K	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present	
5.	561658052	PAVITHRA B	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present	
6.	561658053	POOVARASAN N	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present	Dr. N. Senthilkumar, Principal,



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7.	561658054	PRABAHARAN B	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
8.	561658055	PRAKASH J	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
9.	561658056	PRAVEEN KUMAR M	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
10.	561658057	PRIYA DHARSHINI R	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
11.	561658058	RAGUL A	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
12.	561658059	RAHIMAN K	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
13.	561658060	RAHULANAND K	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
14.	561658061	RAMAKRISHNAN S	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
15.	561658062	RAMKUMAR R	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
16.	261910814	VIBIN BOSE R	SEM- I	M.PHARM (PHARMACEUTICS)	Present	Present	Present	Present	Present	Present
17.	261910815	VINOTHAJ G	SEM- I	M.PHARM (PHARMACEUTICS)	Present	Present	Present	Present	Present	Present
18.	261930708	MANIMEGALAI A	SEM- I	M.PHARM (PHARMACEUTICAL ANALYSIS)	Present	Present	Present	Present	Present	Present
19.	261940562	REEMA M A	SEM- I	M.PHARM (PHARMACY PRACTICE)	Present	Present	Present	Present	Present	Present
20.	261940563	SHAHANASHERIN M	SEM- I	M.PHARM (PHARMACY PRACTICE)	Present	Present	Present	Present	Present	Present
21.	261940564	SREEHARI K	SEM- I	M.PHARM (PHARMACY PRACTICE)	Present	Present	Present	Present	Present	Present
22.	261940565	YUVARANI VENKATACHARI	SEM- I	M.PHARM (PHARMACY PRACTICE)	Present	Present	Present	Present	Present	Present
23.	261925710	MAGESHWARI	SEM- I	M.PHARM	Present	Present	Present	Present	Present	Present

**Dr. N. Senthilkumar,**  
Principal

**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION**  
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ETHIRMEDU, KOMARAPALAYAM - 638 183.  
NAMAKKAL DISTRICT, TAMILNADU, INDIA.

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

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24.	261925711	MANIMEGALAI A	SEM-I	(PHARMACOLOGY)	M.PHARM (PHARMACOLOGY)	Present	Present	Present	Present	Present	Present	Present
25.	261925712	MUTHU KUMAR S	SEM-I	(PHARMACOLOGY)	M.PHARM (PHARMACOLOGY)	Present	Present	Present	Present	Present	Present	Present
26.	261925713	NAVEELAN M	SEM-I	(PHARMACOLOGY)	M.PHARM (PHARMACOLOGY)	Present	Present	Present	Present	Present	Present	Present
27.	261925714	SRI INDU N	SEM-I	(PHARMACOLOGY)	M.PHARM (PHARMACOLOGY)	Present	Present	Present	Present	Present	Present	Present
28.	261925715	SUBALAKSHMI P	SEM-I	(PHARMACOLOGY)	M.PHARM (PHARMACOLOGY)	Present	Present	Present	Present	Present	Present	Present
29.	381410413	MARIA JOY	VI		PHARM D	Present	Present	Present	Present	Present	Present	Present
30.	381410414	MEGHA K BAIJU	VI		PHARM D	Present	Present	Present	Present	Present	Present	Present
31.	381410416	MOHAN K	VI		PHARM D	Present	Present	Present	Present	Present	Present	Present
32.	381410417	NAVEENKUMAR D	VI		PHARM D	Present	Present	Present	Present	Present	Present	Present
33.	381410419	REEMA K A	VI		PHARM D	Present	Present	Present	Present	Present	Present	Present
34.	381510423	SHERIN ELZA JOHN	V		PHARM D	Present	Present	Present	Present	Present	Present	Present
35.	381510424	SILPA GOPINATH.M	V		PHARM D	Present	Present	Present	Present	Present	Present	Present
36.	381510407	JEBISHA.Y.J	V		PHARM D	Present	Present	Present	Present	Present	Present	Present
37.	381610417	NEDA MEHRAFAR	IV		PHARM D	Present	Present	Present	Present	Present	Present	Present
38.	381610418	NIKIN S	IV		PHARM D	Present	Present	Present	Present	Present	Present	Present
39.	381610419	RAJARAJARATHNAM	IV		PHARM D	Absent	Absent	Absent	Absent	Absent	Absent	Absent
40.	381710401	ANDLY CHEDRICK C	III		PHARM D	Present	Present	Present	Present	Present	Present	Present
41.	381710402	ASHA M	III		PHARM D	Present	Present	Present	Present	Present	Present	Present
42.	381710403	ASHRITHA D N	III		PHARM D	Present	Present	Present	Present	Present	Present	Present
43.	381710404	DEEPIKA K	III		PHARM D	Present	Present	Present	Present	Present	Present	Present
44.	381810429	N THIRUMURUGAN	II		PHARM D	Present	Present	Present	Present	Present	Present	Present
45.	381810430	VENKATESH A	II		PHARM D	Present	Present	Present	Present	Present	Present	Present
46.	381910415	JOTHIMANI S	I		PHARM D	Present	Present	Present	Present	Present	Present	Present
47.	381910416	KIRUTHIGA O B	I		PHARM D	Present	Present	Present	Present	Present	Present	Present
48.	381910417	MAHALAKSHMI M	I		PHARM D	Present	Present	Present	Present	Present	Present	Present
49.	381910418	NAVEENA S	I		PHARM D	Present	Present	Present	Present	Present	Present	Present
50.	381910419	PRABHAT KUMAR GUPTA	I		PHARM D	Present	Present	Present	Present	Present	Present	Present
51.	381910420	PRADESH C	I		PHARM D	Present	Present	Present	Present	Present	Present	Present
52.	381910421	RAMYA G K	I		PHARM D	Present	Present	Present	Present	Present	Present	Present
53.	381910422	SHANMUGAPRIYA D	I		PHARM D	Absent	Absent	Absent	Absent	Absent	Absent	Absent

**Dr. N. Senthilkumar,**  
Principal,

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Principal,



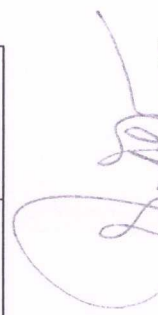
**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION**  
**ANNA JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY,**  
**ETHIRMEDU, KOMARAPALAYAM - 638 183.**  
**NAMAKKAL DISTRICT, TAMILNADU.**

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**ETHIRMEDU, KOMARAPALAYAM - 638 183.**  
**NAMAKKAL DISTRICT, TAMILNADU, INDIA.**

	SILAMBARASAN M	I	PHARM D	Present	Present	Present	Present	Present	Present
54.	381910423	I	PHARM D	Present	Present	Present	Present	Present	Present
55.	381910424	I	PHARM D	Present	Present	Present	Present	Present	Present
56.	561658063	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
57.	561658064	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
58.	561658065	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
59.	561658066	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
60.	561658067	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
61.	561658068	IV YR	B.PHARM	Absent	Absent	Absent	Absent	Absent	Absent
62.	561658069	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
63.	561658070	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
64.	561658071	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present
65.	561658072	IV YR	B.PHARM	Present	Present	Present	Present	Present	Present



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 MAMAKKAL DISTRICT, TAMILNADU.

VALUE ADDED COURSE	RESEARCH TYPES
DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2019-2020
DATE	02.03.2020 to 26.03.2020
VENUE	SEMINAR HALL

### MULTIPLE CHOICE QUESTION

ANSWER ALL THE QUESTION

Date: 26.03.2020

Choose the correct answers:

Total Marks: 10×2= 20

- Survey research studies B
  - Circumstances
  - Events
  - Populations
  - Processes
- Action research is a type of C
  - Applied research
  - Quantity research
  - Survey research
  - Population research
- Hypothesis relates A
  - Constant to variables
  - Constant to constant
  - Variables to constant
  - Variables to variables
- In the purposive method of sampling design, items are selected according to B
  - Law of certainty
  - Law of probability
  - Personal judgement
  - None of the above
- Primary data for the research process be collected through C
  - Experiment
  - Survey
  - Both (a) and (b)
  - None of the above
- A researcher wants to study the relationship of family size to income. He classifies his population into different income slabs and then takes a random sample from each slab in order. Which technique of

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NAMAKKAL DISTRICT. TAMILNADU.



sampling is he working with?

- a) Cluster sampling
- b) Random sampling
- c) Stratified random sampling
- d) Systematic sampling

7. Determining the relationship between two or more variables occurs in   D  .

- a) Correlational research
- b) Action research
- c) Naturalistic observation
- d) Survey research

8. 'Ethnography' describes   D  

- a) Culture
- b) Way of life
- c) Progeny
- d) Both (a) and (b)

9. A variable that is manipulated is known as:

- A. Confounding variable
- B. Control variable
- C. Dependent variable
- D. Independent variable

10. Which of the following research types focuses on ameliorating the prevailing situations?

- (1) Applied Research
- (2) Action Research
- (3) Experimental Research
- (4) Fundamental Research

11. Which of the following is susceptible to the issue of research ethics?

- (1) Faulty research design
- (2) Choice of sampling technique
- (3) Reporting of research findings
- (4) Inaccurate application of statistical techniques

12. A detailed description of methodology of research is required in

- (A) Thesis/Dissertation
- (B) Symposium/Workshop
- (C) Seminar paper/Articles
- (D) Conference and Seminar Papers

13. In qualitative research paradigm, which of the following features may be considered critical?

- (A) Data collection with standardized research tools.



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ETHIRMEDU, KOMARAPALAYAM - 638 183.  
NAMAKKAL DISTRICT, TAMILNADU

- (B) Sampling design with probability sample techniques.  
(C) Data collection with bottom-up empirical evidences.  
(D) Data gathering to take with top-down systematic evidences.
14. Which of the following is an initial mandatory requirement for pursuing research?  
(A) Developing a research design  
(B) Formulating a research question  
(C) Deciding about the data analysis procedure  
(D) Formulating a research hypothesis
15. Which of the following statements is true in the context of the testing of a hypothesis?  
(A) It is only the alternative hypothesis that can be tested.  
(B) It is only the null hypothesis that can be tested.  
(C) Both, the alternative and the null hypotheses can be tested.  
(D) Both, the alternative and the null hypotheses cannot be tested.

*Senthil Kumar*  
(HOD)

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

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# 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](http://www.jkkmmrfpharmacy.edu.in) |E-Mail : [principal@jkkmmrfpharmacy.edu.in](mailto:principal@jkkmmrfpharmacy.edu.in)  
Contact No. : +919789456750, +919943069944, +919943066944

VALUE ADDED COURSE	RESEARCH TYPES
DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2019-2020
DATE	02.03.2020 to 26.03.2020
VENUE	SEMINAR HALL

## MULTIPLE CHOICE QUESTION

### ANSWERS

Date: 26.03.2020

Choose the correct answers:

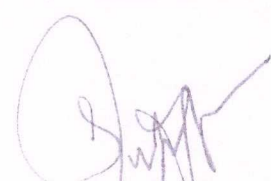
Total Marks: 15×2= 30

- Survey research studies \_\_\_\_\_
  - Circumstances
  - Events**
  - Populations
  - Processes
- Action research is a type of \_\_\_\_\_
  - Applied research
  - Quantity research
  - Survey research**
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  - Constant to variables**
  - Constant to constant
  - Variables to constant
  - Variables to variables
- In the purposive method of sampling design, items are selected according to \_\_\_\_\_
  - Law of certainty
  - Law of probability



  
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**NAMAKKAL DISTRICT, TAMILNADU, INDIA.**

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

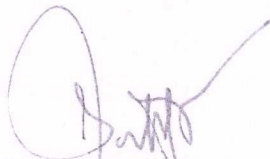
**JKK MUNIRAJAH MEDICAL RESEARCH FOUNDATION**  
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**NAMAKKAL DISTRICT, TAMILNADU.**

- c) Personal judgement  
d) **None of the above**
5. Primary data for the research process be collected through \_\_\_\_\_.
- a) Experiment  
b) Survey  
c) **Both (a) and (b)**  
d) None of the above
6. A researcher wants to study the relationship of family size to income. He classifies his population into different income slabs and then takes a random sample from each slab in order. Which technique of sampling is he working with?
- a) Cluster sampling  
b) Random sampling  
c) **Stratified random sampling**  
d) Systematic sampling
7. Determining the relationship between two or more variables occurs in \_\_\_\_\_.
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b) Action research  
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**ETHIRMEDU, KOMARAPALAYAM - 638 183.**  
**NAMAKKAL DISTRICT. TAMIL NADU. INDIA.**

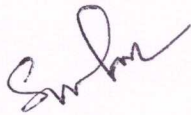
  
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**NAMAKKAL DISTRICT. TAMIL NADU.**



- (3) Reporting of research findings  
(4) Inaccurate application of statistical techniques

12. A detailed description of methodology of research is required in  
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(B) Symposium/Workshop  
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NAMAKKAL DISTRICT. TAMILNADU. INDIA.**



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

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

VALUE ADDED COURSE	RESEARCH TYPES
DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2019-2020
DATE	02.03.2020 to 26.03.2020
VENUE	SEMINAR HALL

## STUDENT MARK LIST

S.NO	Register No	Students Name	Year	Course	Mark obtained	Mark %
1.	561658048	NIKAN KARIMZADEH	IV YR	B.PHARM	26	86.66667
2.	561658049	NIRMALRAJ M	IV YR	B.PHARM	28	93.33333
3.	561658050	NISANTHINI M	IV YR	B.PHARM	29	96.66667
4.	561658051	PARTHASARATHY K	IV YR	B.PHARM	30	100
5.	561658052	PAVITHRA B	IV YR	B.PHARM	29	96.66667
6.	561658053	POOVARASAN N	IV YR	B.PHARM	28	93.33333
7.	561658054	PRABAHARAN B	IV YR	B.PHARM	27	90
8.	561658055	PRAKASH J	IV YR	B.PHARM	26	86.66667
9.	561658056	PRAVEEN KUMAR M	IV YR	B.PHARM	20	66.66667
10.	561658057	PRIYA DHARSHINI R	IV YR	B.PHARM	28	93.33333
11.	561658058	RAGUL A	IV YR	B.PHARM	16	53.33333
12.	561658059	RAHIMAN K	IV YR	B.PHARM	29	96.66667
13.	561658060	RAHULANAND K	IV YR	B.PHARM	28	93.33333
14.	561658061	RAMAKRISHNAN S	IV YR	B.PHARM	29	96.66667
15.	561658062	RAMKUMAR R	IV YR	B.PHARM	28	93.33333
16.	261910814	VIBIN BOSE R	SEM-I	M.PHARM (PHARMACEUTICS)	28	93.33333
17.	261910815	VINOTHRAJ G	SEM-I	M.PHARM (PHARMACEUTICS)	27	90
18.	261930708	MANIMEGALAI A	SEM-I	M.PHARM (PHARMACEUTICAL ANALYSIS)	26	86.66667
19.	261940562	REEMA M A	SEM-I	M.PHARM (PHARMACY PRACTICE)	20	66.66667
20.	261940563	SHAHANASHERIN M	SEM-I	M.PHARM (PHARMACY PRACTICE)	28	93.33333
21.	261940564	SREBHARI K	SEM-I	M.PHARM (PHARMACY PRACTICE)	16	53.33333
22.	261940565	YUVARANI	SEM-I	M.PHARM	29	96.66667



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

		VENKATACHALAM		(PHARMACY PRACTICE)		
23.	261925710	MAGESHWARI R	SEM-I	M.PHARM (PHARMACOLOGY)	28	93.33333
24.	261925711	MANIMEGALAI A	SEM-I	M.PHARM (PHARMACOLOGY)	29	96.66667
25.	261925712	MUTHU KUMAR S	SEM-I	M.PHARM (PHARMACOLOGY)	28	93.33333
26.	261925713	NAVEELAN M	SEM-I	M.PHARM (PHARMACOLOGY)	27	90
27.	261925714	SRI INDU N	SEM-I	M.PHARM (PHARMACOLOGY)	26	86.66667
28.	261925715	SUBALAKSHMI P	SEM-I	M.PHARM (PHARMACOLOGY)	20	66.66667
29.	381410413	MARIA JOY	VI	PHARM D	28	93.33333
30.	381410414	MEGHA K BAIJU	VI	PHARM D	16	53.33333
31.	381410416	MOHAN K	VI	PHARM D	29	96.66667
32.	381410417	NAVEENKUMAR D	VI	PHARM D	28	93.33333
33.	381410419	REEMA K A	VI	PHARM D	29	96.66667
34.	381510423	SHERIN ELZA JOHN	V	PHARM D	28	93.33333
35.	381510424	SILPA GOPINATH.M	V	PHARM D	27	90
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40.	381710401	ANDLY CHEDRICK C	III	PHARM D	26	86.66667
41.	381710402	ASHA M	III	PHARM D	20	66.66667
42.	381710403	ASHRITHA D N	III	PHARM D	28	93.33333
43.	381710404	DEEPIKA K	III	PHARM D	16	53.33333
44.	381810429	N THIRUMURUGAN	II	PHARM D	29	96.66667
45.	381810430	VENKATESH A	II	PHARM D	28	93.33333
46.	381910415	JOTHIMANI S	I	PHARM D	29	96.66667
47.	381910416	KIRUTHIGA O B	I	PHARM D	28	93.33333
48.	381910417	MAHALAKSHMI M	I	PHARM D	29	96.66667
49.	381910418	NAVEENA S	I	PHARM D	28	93.33333
50.	381910419	PRABHAT KUMAR GUPTA	I	PHARM D	29	96.66667
51.	381910420	PRADESH C	I	PHARM D	28	93.33333
52.	381910421	RAMYA G K	I	PHARM D	27	90
53.	381910422	SHANMUGAPRIYA D	I	PHARM D	26	86.66667
54.	381910423	SILAMBARASAN M	I	PHARM D	20	66.66667
55.	381910424	SOUNDHAR K	I	PHARM D	28	93.33333
56.	561658063	RAMYA E	IV YR	B.PHARM	27	90
57.	561658064	RANJITH M	IV YR	B.PHARM	26	86.66667
58.	561658065	RAVICHANDRAN K	IV YR	B.PHARM	20	66.66667
59.	561658066	SALMANSHERIFF K	IV YR	B.PHARM	28	93.33333
60.	561658067	SANGEETHA R	IV YR	B.PHARM	16	53.33333
61.	561658068	SANTHIYA G	IV YR	B.PHARM	29	96.66667

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**NAMAKKAL DISTRICT, TAMILNADU, INDIA.**



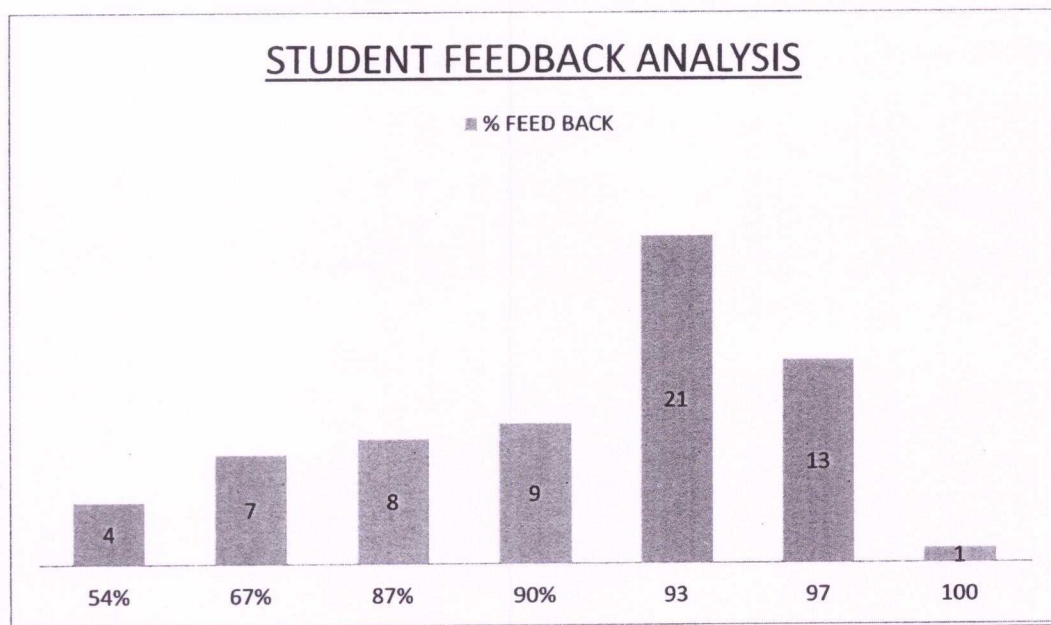


# J.K.K.MUNIRAJAH MEDICAL RESEARCH FOUNDATION'S ANNAL JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY

Ethirmedu, B.Komarapalayam – 638 183, Namakkal Dist. Tamilnadu. India  
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VALUE ADDED COURSE	RESEARCH TYPES
DEPARTMENT	PHARMACOLOGY
ACEDAMIC YEAR	2019-2020
DATE	02.03.2020 to 26.03.2020
VENUE	SEMINAR HALL

## STUDENT FEEDBACK ANALYSIS



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VALUE ADDED COURSE	RESEARCH TYPES
DEPARTMENT	PHARMACOLOGY
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**VALUE ADDED COURSE**

**FEEDBACK FORM**

STUDENTNAME: *Nandhini - N* DATE: *26.3.2020*  
YEAR/ COURSE: *B.Pharm - IV - year*  
NAME OF THE VALUE ADDED COURSE: *Redsearch type*  
COURSECODE:  
EVALUATE HONESTLY: DURATION: *4 years*

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%

*N. Nandhini*  
SIGNATURE

*[Signature]*

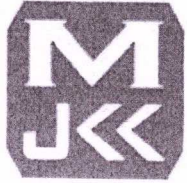
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NAMAKKAL DISTRICT, TAMILNADU.**





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

VALUE ADDED COURSE

**Organized by,  
Department of Pharmacology,**



**CERTIFICATE OF PARTICIPANT  
SILPA GOPINATH.M**

Has appreciated for his / her participation in the VALUE ADDED COURSE on  
RESEARCH TYPES organized by the department of Pharmacology on  
(02.03.2020 to 26.03.2020).

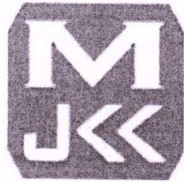
**Organizing  
Secretary**

**convener**



**Dr. N.SENTHILKUMAR,  
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**JKKMMRF'S - ANNAI JKK SAMPOORANI  
AMMAL COLLEGE OF PHARMACY,  
KOMARAPALAYAM.**

VALUE ADDED COURSE

**Organized by,  
Department of Pharmacology,**



**CERTIFICATE OF PARTICIPANT  
PRAKASH J**

Has appreciated for his / her participation in the VALUE ADDED COURSE on  
RESEARCH TYPES organized by the department of Pharmacology on  
(02.03.2020 to 26.03.2020).

**Organizing  
Secretary**

**convener**



**Dr. N.SENTHILKUMAR,  
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ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY  
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