

DEPARTMENT OF BIO TECHNOLOGY

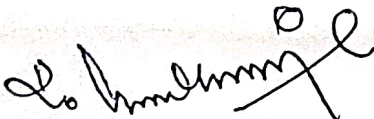
VALUE ADDED COURSE DETAILS

2023 - 2024

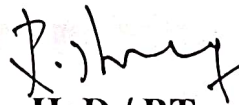
R 2021

**COMPREHENSIVE TRAIL IN
REVOLUTIONARY DRUG DESIGN: PRE-
CLINICAL RESEARCH METHODOLOGY**

31.07.2023 to 04.08.2023


VAC Coordinators

- 1) Dr.R.Baskaran
- 2) Dr.A. Ronaldo Anuf
- 3) Dr.D.Pradiba
- 4) Mrs.K.Chitradevi


HoD / BT



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF BIO TECHNOLOGY

VALUE ADDED COURSE DETAILS

2023 - 2024

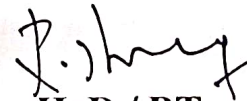
R 2021

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REVOLUTIONARY DRUG DESIGN: PRE-
CLINICAL RESEARCH METHODOLOGY

31.07.2023 to 04.08.2023

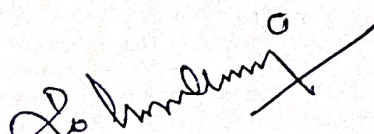

VAC Coordinators

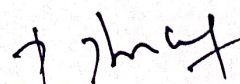
- 1) Dr.R.Baskaran
- 2) Dr.A. Ronaldo Anuf
- 3) Dr.D.Pradiba
- 4) Mrs.K.Chitradevi


HoD / BT

Value Added Course Details

1. Academic Year : 2023 - 2024
2. Regulation : R2021
3. Department Name : Bio Technology
4. Name of the Value Added Course : Comprehensive Trail in Revolutionary Drug Design: Pre-Clinical Research Methodology
5. Number of Credits : 2
6. Category : Theory / Lab / **Hands-on** / Skill Based
7. Details of the Joint Organization : GK Coco Coir & A-Cube Substrate, Dynamic Megaceutics, Chennai
8. Resource Person Details : 1. Mr.Kaviraj,
Trainer,
GK COCO COIR & A-CUBE SUBSTRATE,
Chennai.
a3coirproducts@gmail.com, 8098088093
2. Ms Ramya,
Trainer,
DYNAMIC MEGACEUTICS, Chennai.
9176861900
9. Three Member Committee Details : 1) Dr. R.ShyamKuamr, Professor & HEAD /BT
2) Dr.A. Ronaldo Anuf, AP/BT
3) Dr.R.Baskaran, ASP/BT
10. VAC Coordinator Details : 1) Dr.R.Baskaran
2) Dr.A. Ronaldo Anuf
3) Dr.D.Pradiba
4) Mrs.K.Chitradevi
11. Duration : 35 Hours
12. Period : 31.07.2023 to 04.08.2023
13. Venue : B2 Hall

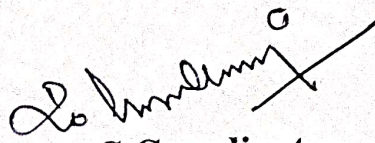

VAC Coordinators

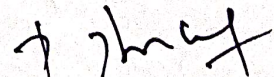

HoD / BT

Dean Academic Course

Value Added Course Details

1. Academic Year : 2023 - 2024
2. Regulation : R2021
3. Department Name : Bio Technology
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8. Resource Person Details : 1. Mr.Kaviraj,
Trainer,
GK COCO COIR & A-CUBE SUBSTRATE,
Chennai.
a3coirproducts@gmail.com, 8098088093
2. Ms Ramya,
Trainer,
DYNAMIC MEGACEUTICS, Chennai.
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4) Mrs.K.Chitradevi
11. Duration : 35 Hours
12. Period : 31.07.2023 to 04.08.2023
13. Venue : B2 Hall


VAC Coordinators


HoD / BT

Dean Academic Course

Department of Biotechnology

Checklist for File Contents

Value Added Course

Comprehensive Trail in Revolutionary Drug Design: Pre-Clinical Research

Methodology

S. No.	Items	Available [Yes / No]
1	Institution Approval Copy	Yes
2	Circular	Yes
3	Syllabus Copy with Course Outcomes	Yes
4	BoS Approval	Yes
5	Three Member Committee MoM	Yes
6	Geo-Tagged Photos	Yes
7	Certificate of all the Participants	Yes
8	Examination Schedule	Yes
9	Question and Answer Keys	Yes
10	Attendance Sheet	Yes
11	Evaluated Answer Script	Yes
12	Mark Statement	Yes
13	Feedback Form	Yes
14	Feedback Analysis & Report	Yes
15	Programme Summary / Report	Yes

Department of Biotechnology

Checklist for File Contents

Value Added Course

Comprehensive Trail in Revolutionary Drug Design: Pre-Clinical Research

Methodology

S. No.	Items	Available [Yes / No]
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13	Feedback Form	Yes
14	Feedback Analysis & Report	Yes
15	Programme Summary / Report	Yes

KAMARAJ

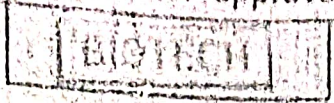
COLLEGE OF ENGINEERING & TECHNOLOGY

K.R.G. Chintamani Road - E. Nagamalai Campus,
P.O.C. Nagar, K. Vallaburam - 625 701, Near VIRUDHACHARI, Madhav District,
Accredited by NAAC with 'A' Grade

Submitted to the SECRETARY for approval through the PRINCIPAL

No.

76



Date 24/06/2023

Approval for value added program for III-BT
(2023-2024)

Approval may please be granted to conduct
the added program on 'comprehensive trail in
evolutionary drug design: preclinical research
methodology as a Industry Certified program
from 01st Aug to 05th Aug 2023. The proposal per
student and budget is attached for your perusal.
The budget is Rs. 36,950/- . We request you to
provide food, refreshment and accommodation
for two resource persons in the training period.
Kindly give us permission to conduct
the same.

Signature of Faculty

Signature of Faculty

HOD

Signature of Principal
26/6/23
PRINCIPAL

OFFICE USE

Budget allotted

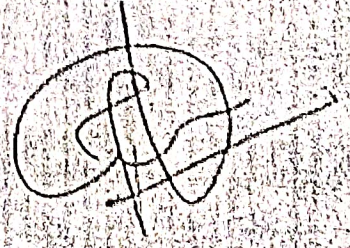
Amount committed / Spent so far

Balance available

Value Added Course Exp.

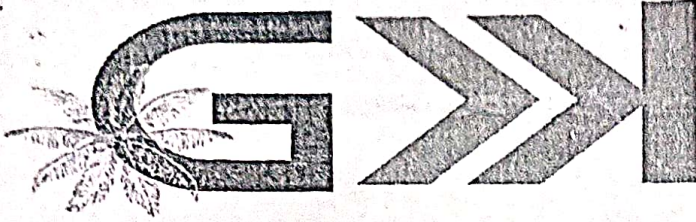
OM

Treasurer



Secretary

Plant Tissue
Division of Finura



G K FIBRE & A-CUBE SUBSTRATE

221/1B SIJOLAVANTILAN ROAD

MATTAPARAI VILLAGE

DINDIGUL 624201.

PH 8098088093 & 8098083311

INVOICE

DATE. 08.08.2023

INVOICE NO. 230808C

BILL TO

KAMARAJ COLLEGE OF
ENGINEERING & TECHNOLOGY
VIRUDHUNAGAR
CONTACT: 9629990536

SHIP TO

KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY
VIRUDHUNAGAR

CONTACT: 9629990536

DESCRIPTION	UNIT	UNIT PRICE	TOTAL
COMPREHENSIVE TRIAL IN REVOLUTIONARY DRUG DESING: PRE-CLINICAL RESEARCH METHODOLOGY	44	1,850	81,400

Remarks / Payment Instructions:

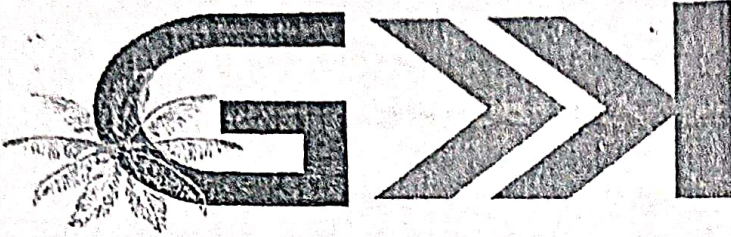
SUBTOTAL	0.00
DISCOUNT	0.00
SUBTOTAL LESS DISCOUNT	0.00
TAX RATE	0.00%
TOTAL TAX	0.00
SHIPPING/HANDLIN G	0.00
TOTAL	81400.00

For A CUBE

Devised

Proprietor

2/24



G K FIBRE & A-CUBE SUBSTRATE

221/1B SIIOLAVANTHAN ROAD

MATTAPARAI VILLAGE

DINDIGUL 624201.

PH 8098088093 & 8098083311

INVOICE

DATE: 08.08.2023

INVOICE NO. 230808C

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CONTACT: 9629990536

DESCRIPTION	UNIT	UNIT PRICE	TOTAL
COMPREHENSIVE TRAIL IN REVOLUTIONARY DRUG DESING: PRE-CLINICAL RESEARCH METHODOLGY	44	1,850	81,400

Remarks / Payment Instructions:

SUBTOTAL 0.00

DISCOUNT 0.00

SUBTOTAL LESS
DISCOUNT 0.00

TAX RATE 0.00%

TOTAL TAX 0.00

SHIPPING/HANDLIN
G 0.00

TOTAL 81400.00

For A CUBE

Proprietor

Reverse

DEPARTMENT OF BIOTECHNOLOGY

CIRCULAR

KAMARAJ/BT/2023-24/VAP-III-BT/

Date: 27-07-2023

The Department of Biotechnology is organizing an Industry Certified Value Added Program on “Comprehensive trail in revolutionary drug design: Pre-clinical research methodology” in association with GK COCO COIR & A-CUBE SUBSTRATE for III Year B. Tech Biotechnology Students. The 5 Days course is scheduled from 31.07.2023 to 04.08.2023.

Programme Schedule

Date	Forenoon	Afternoon
31.07.2023	Zebrafish: an emerging model in preclinical research 1. General introduction to zebrafish and its similarity to humans 2. Zebrafish in drug discovery 3. Zebrafish in anti-cancer drug discovery	Regular care & maintenance of zebrafish 1. System Maintenance 2. Water quality parameters 3. Feeding
01.08.2023	Demo on housing parameters with hands on 1. Water quality analysis 2. Fish analysis in system water 3. Feeding	Behavioral pattenen outline: 1. Various behavioral patterns of zebrafish 2. Sex identification
02.08.2023	Live demo on Behavioral pattern with hands on: 1. Various behavioral patterns of zebrafish 2. Behavioral changes in system and study tank analysis	
03.09.2023	Common infections in laboratory: 1. Protozoans 2. Fungal 3. Bacterial 4. Viral Control measures of infections in zebrafish in laboratory and its maintenance 5. Control measures of infections in zebrafish in laboratory and its maintenance	Dissection of zebrafish: 1. Demo on major oranges 2. Microscopic observation of organs 3. Toxicity study outline
04.08.2023	Mouse model in preclinical study: 1. General introduction to mouse model and its similarity to humans 2. Maintenance and care 3. Handling 4. Dosing & feeding	Dissection of mouse: 1. Demo on major oranges 2. Toxicity study outline

Program Coordinators

HoD/BT

Principal

Copy to:

1. B. Tech Biotechnology III Year Class
2. BT Faculty Members
3. Office Superintendent
4. To File

DEPARTMENT OF BIOTECHNOLOGY

CIRCULAR

KAMARAJ/BT/2023-24/VAP-III-BT/

Date: 27-07-2023

The Department of Biotechnology is organizing an Industry Certified Value Added Program on “Comprehensive trail in revolutionary drug design: Pre-clinical research methodology” in association with GK COCO COIR & A-CUBE SUBSTRATE for III Year B. Tech Biotechnology Students. The 5 Days course is scheduled from 31.07.2023 to 04.08.2023.

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31.07.2023	Zebrafish: an emerging model in preclinical research 1. General introduction to zebrafish and its similarity to humans 2. Zebrafish in drug discovery 3. Zebrafish in anti-cancer drug discovery	Regular care & maintenance of zebrafish 1. System Maintenance 2. Water quality parameters 3. Feeding
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03.09.2023	Common infections in laboratory: 1. Protozoans 2. Fungal 3. Bacterial 4. Viral Control measures of infections in zebrafish in laboratory and its maintenance 5. Control measures of infections in zebrafish in laboratory and its maintenance	Dissection of zebrafish: 1. Demo on major organs 2. Microscopic observation of organs 3. Toxicity study outline
04.08.2023	Mouse model in preclinical study: 1. General introduction to mouse model and its similarity to humans 2. Maintenance and care 3. Handling 4. Dosing & feeding	Dissection of mouse: 1. Demo on major organs 2. Toxicity study outline

Program Coordinators

HoD/BT

Principal

Copy to:

1. B. Tech Biotechnology III Year Class
2. BT Faculty Members
3. Office Superintendent
4. To File

Course Code	Course Name	Credits
	COMPREHENSIVE TRAIL IN REVOLUTIONARY DRUG DESIGN: PRE-CLINICAL RESEARCH METHODOLOGY	2

Category: Value added Course

ZEBRAFISH: AN EMERGING MODEL IN PRECLINICAL RESEARCH	4
1. General introduction to zebrafish and its similarity to humans 2. Zebrafish in drug discovery 3. Zebrafish in anti-cancer drug discovery	
REGULAR CARE & MAINTENANCE OF ZEBRAFISH	3
1. System Maintenance 2. Water quality parameters 3. Feeding	
HOUSING PARAMETERS & BEHAVIORAL PATTERN	14
1. Water quality analysis 2. Fish analysis in system water 3. Feeding 4. Various behavioural patterns of zebrafish 5. Sex identification 6. Various behavioural patterns of zebrafish 7. Behavioural changes in system and study tank analysis	
COMMON INFECTIONS IN LABORATORY	4
1. Protozoans 2. Fungal 3. Bacterial 4. Viral Control measures of infections in zebrafish in laboratory and its maintenance 5. Control measures of infections in zebrafish in laboratory and its maintenance	
DISSECTION OF ZEBRAFISH & MOUSE	6
1. Demo on major organs 2. Microscopic observation of organs 3. Toxicity study outline	
MOUSE MODEL IN PRECLINICAL STUDY	4
1. General introduction to mouse model and its similarity to humans 2. Maintenance and care 3. Handling 4. Dosing & feeding	
Total Hours : 35	

Program Coordinators

UG Coordinator

HOD/BT

Course Code	Course Name	Credits
	COMPREHENSIVE TRAIL IN REVOLUTIONARY DRUG DESIGN: PRE-CLINICAL RESEARCH METHODOLOGY	2

Category: Value added Course

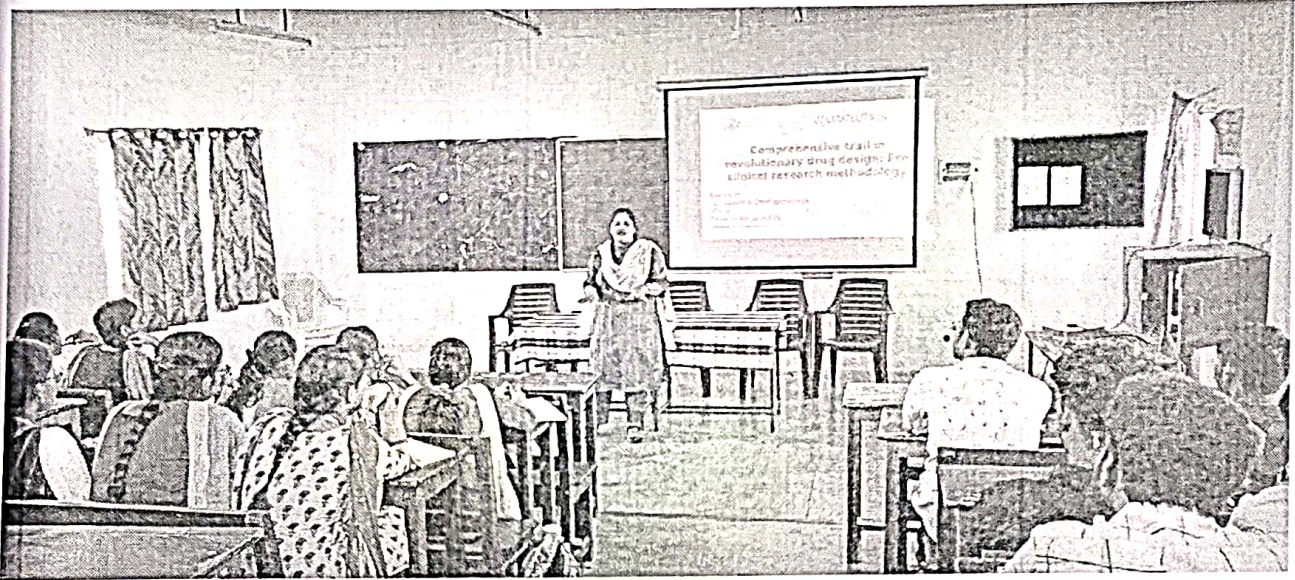
ZEBRAFISH: AN EMERGING MODEL IN PRECLINICAL RESEARCH	4
1. General introduction to zebrafish and its similarity to humans 2. Zebrafish in drug discovery 3. Zebrafish in anti-cancer drug discovery	
REGULAR CARE & MAINTENANCE OF ZEBRAFISH	3
1. System Maintenance 2. Water quality parameters 3. Feeding	
HOUSING PARAMETERS & BEHAVIORAL PATTERN	14
1. Water quality analysis 2. Fish analysis in system water 3. Feeding 4. Various behavioural patterns of zebrafish 5. Sex identification 6. Various behavioural patterns of zebrafish 7. Behavioural changes in system and study tank analysis	
COMMON INFECTIONS IN LABORATORY	4
1. Protozoans 2. Fungal 3. Bacterial 4. Viral Control measures of infections in zebrafish in laboratory and its maintenance 5. Control measures of infections in zebrafish in laboratory and its maintenance	
DISSECTION OF ZEBRAFISH & MOUSE	6
1. Demo on major organs 2. Microscopic observation of organs 3. Toxicity study outline	
MOUSE MODEL IN PRECLINICAL STUDY	4
1. General introduction to mouse model and its similarity to humans 2. Maintenance and care 3. Handling 4. Dosing & feeding	
Total Hours : 35	

Program Coordinators

UG Coordinator

HOD/BT

DAY 1

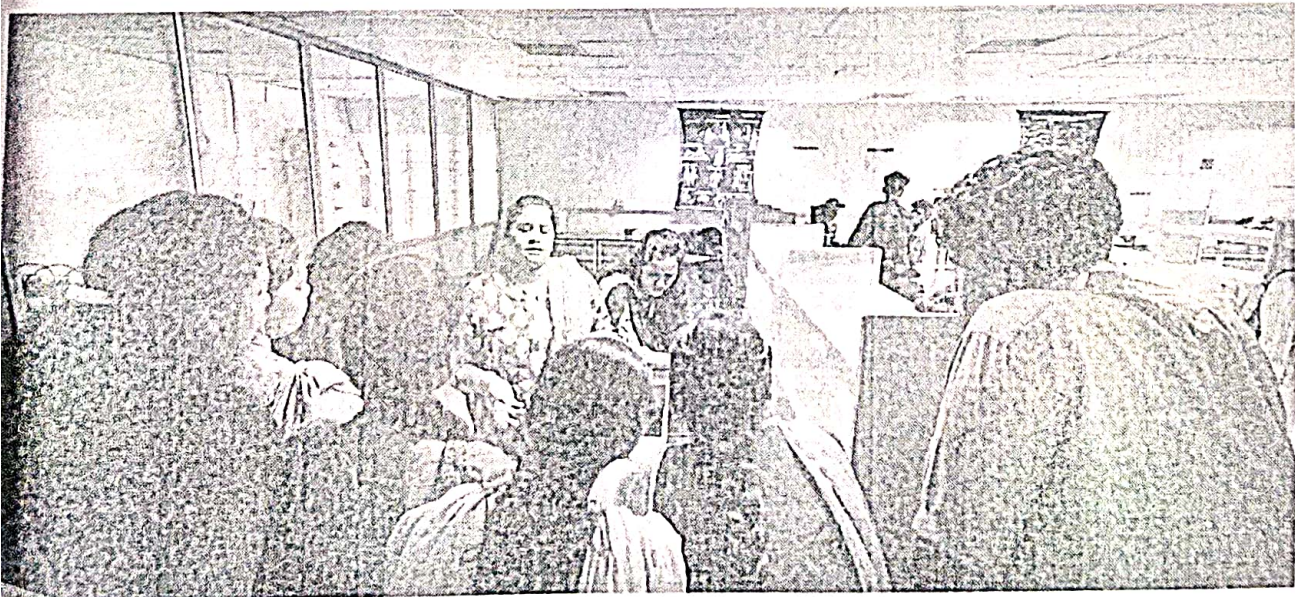




DAY 2



GPS Map Camera
Chittoor, Tamil Nadu, India
MXF7+4XH, NH 44, Chittoor, Tamil Nadu 625701, India
Lat 9.672504°
Long 77.965067°
01/08/23 11:51 AM GMT +05:30





GPS Map Camera

Chittoor, Tamil Nadu, India

MXF7+4XH, NH 44, Chittoor, Tamil Nadu 625701, India

Lat 9.672504°

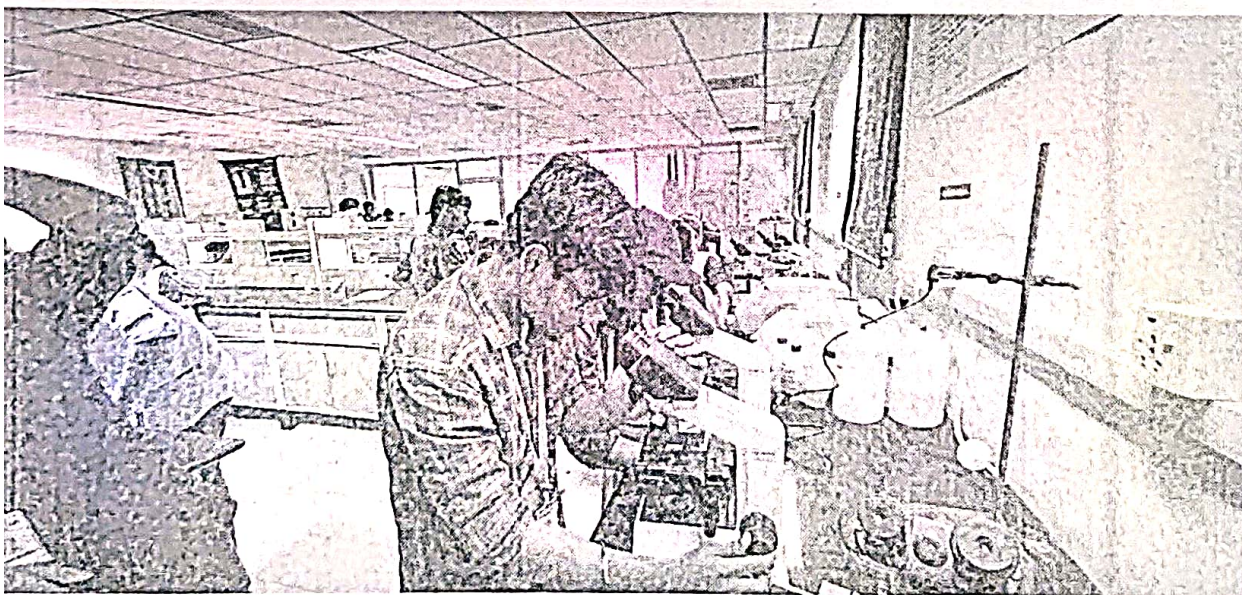
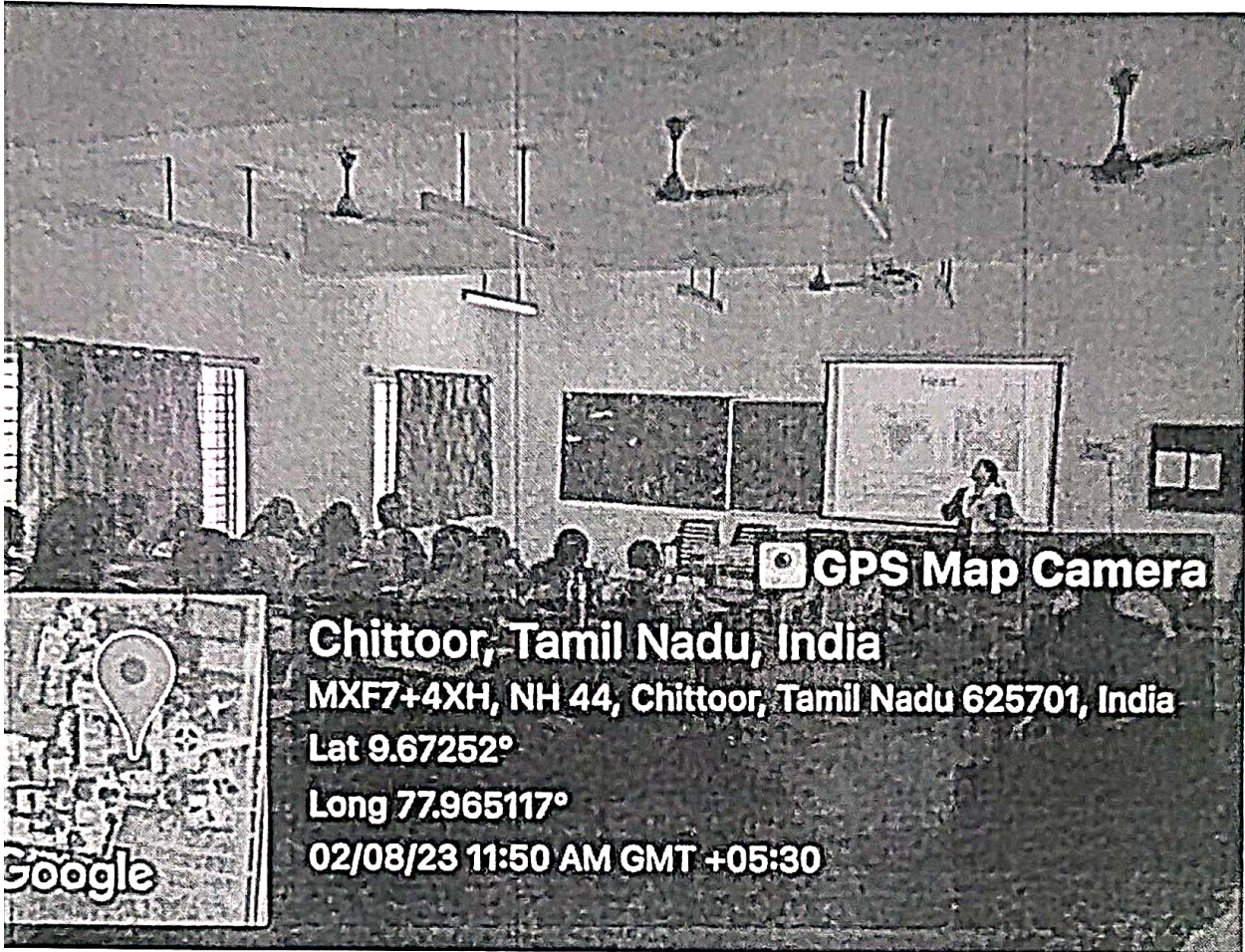
Long 77.965067°

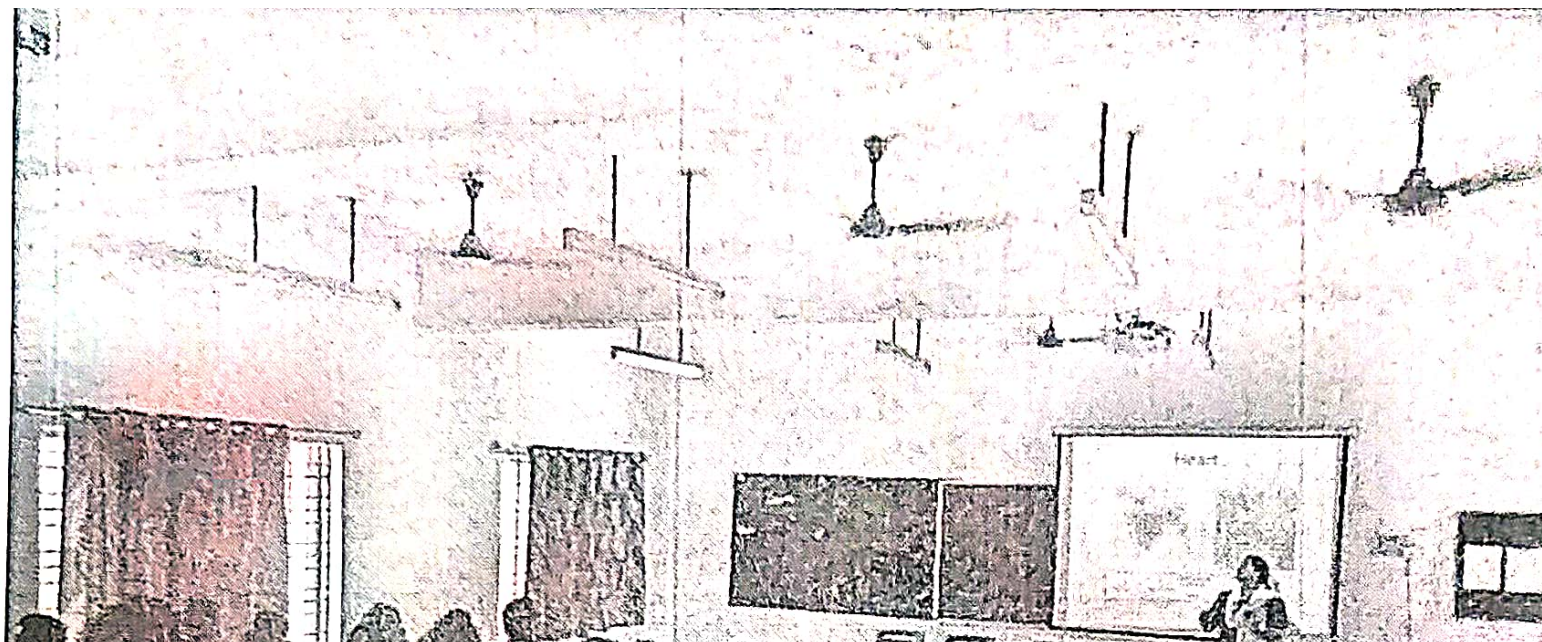
01/08/23 11:51 AM GMT +05:30

Google



DAY 3





 **GPS Map Camera**

Chittoor, Tamil Nadu, India

MXF7+4XH, NH 44, Chittoor, Tamil Nadu 625701, India

Lat 9.67252°

Long 77.965117°

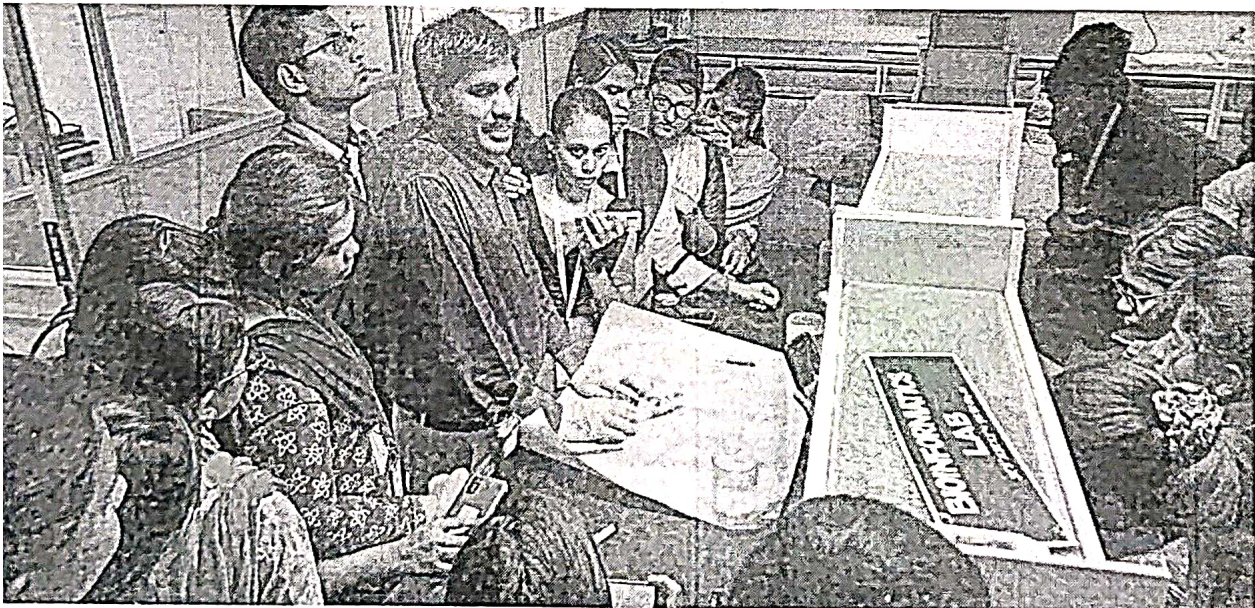
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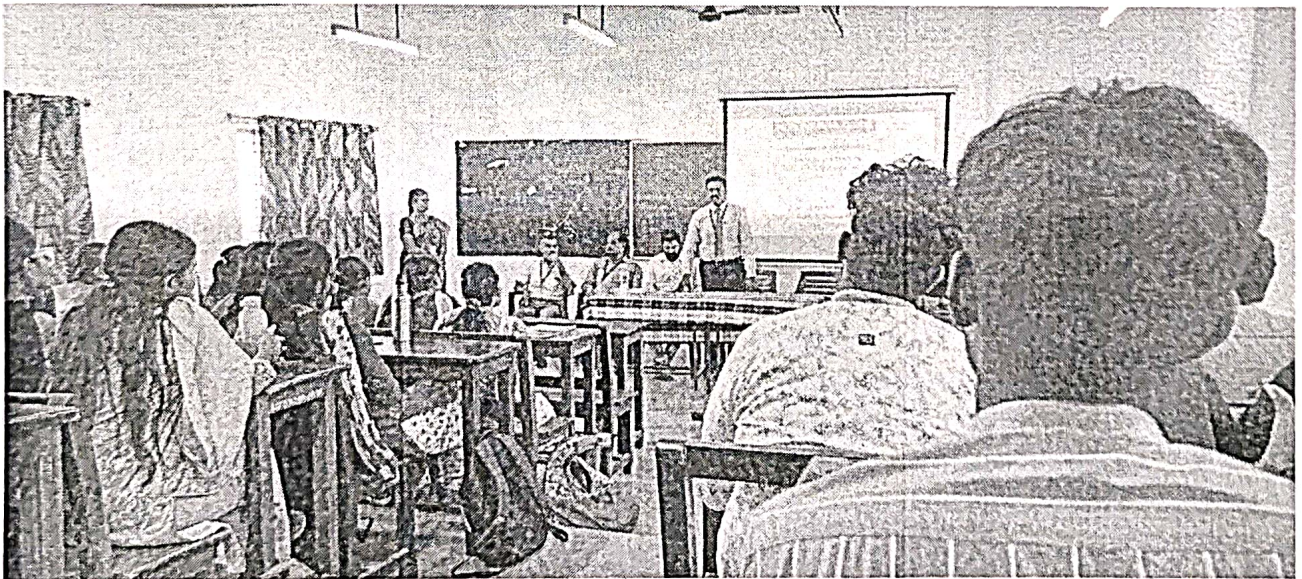
DAY 4

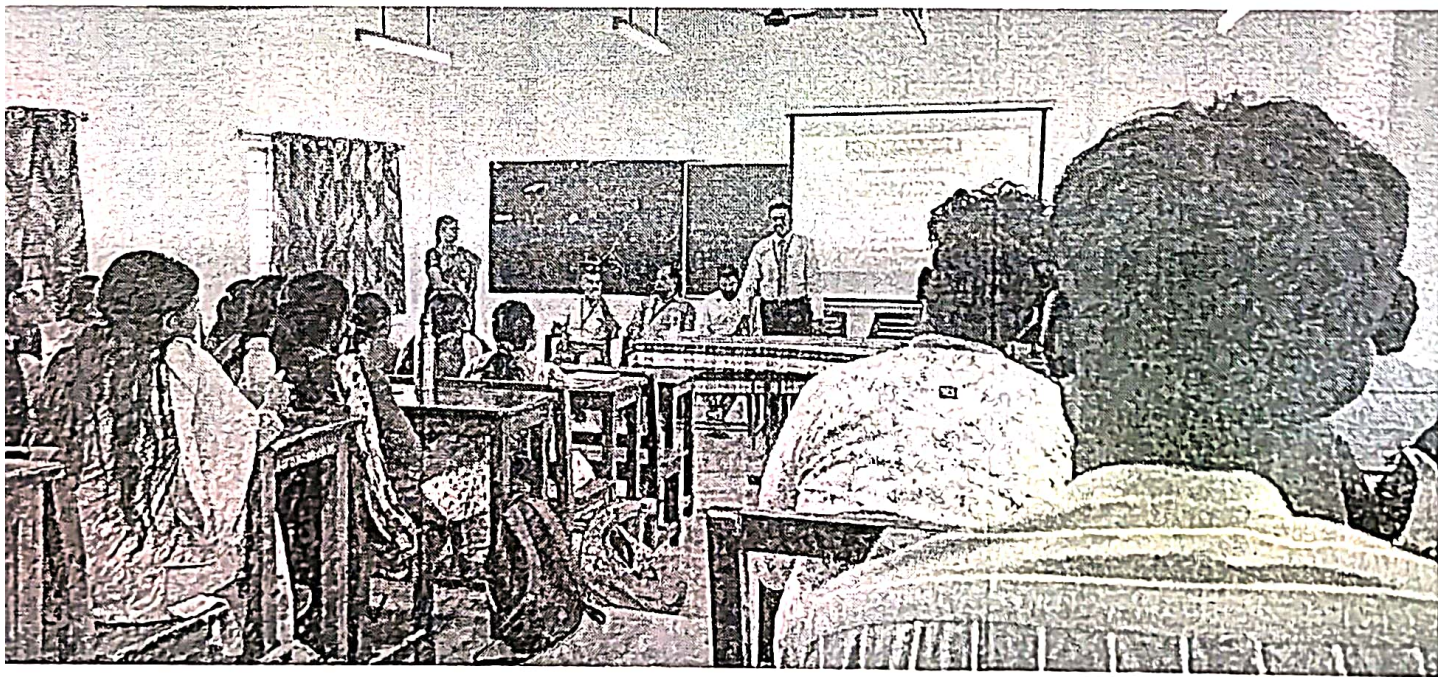
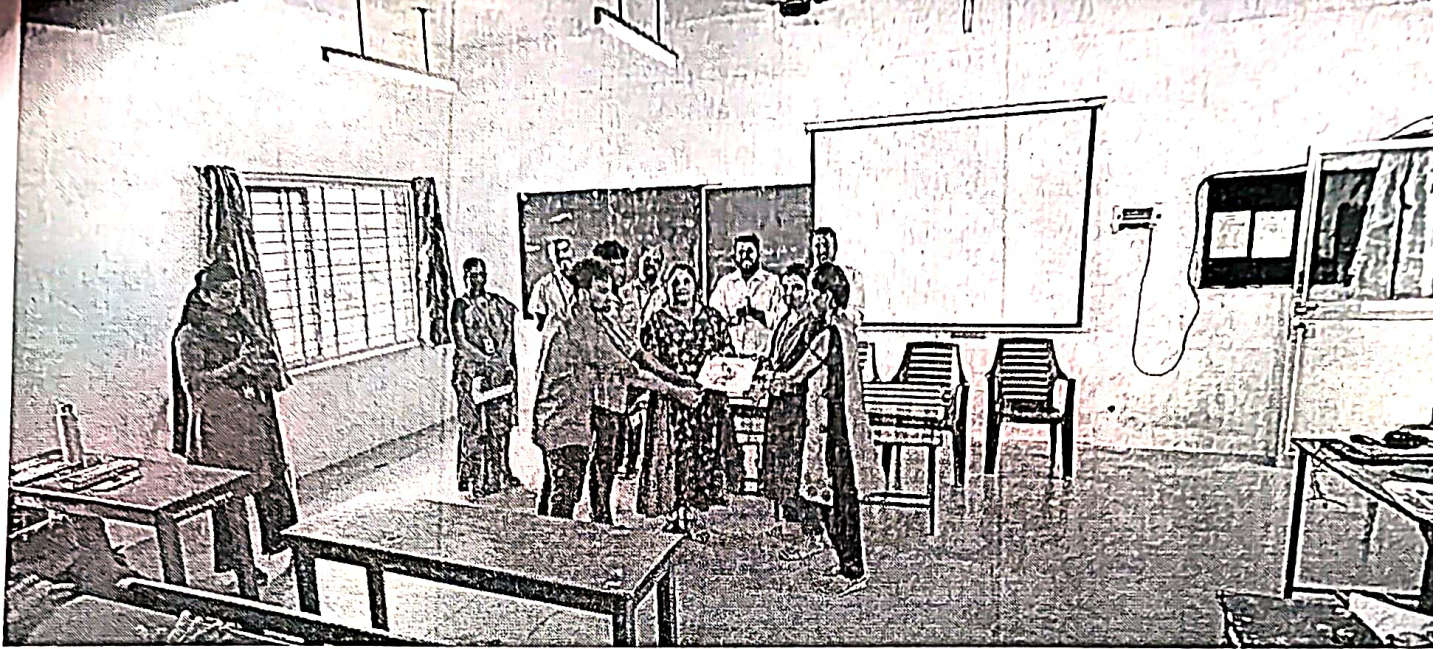


DAY 4



DAY 5







(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

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S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF BIOTECHNOLOGY

Value Added Programme on "Comprehensive trail in revolutionary drug design: Pre-clinical research methodology"

ASSESSMENT MARK 2

S.NO	Reg NO	Roll No	Name of the Student	Assessment 2
1.	920421214035	920421UBT001	SANTHOSH KAVERI.SR	30
2.	920421214005	920421UBT002	ARUN PRASANTH.D	30
3.	920421214015	920421UBT003	HARINI.M	37
4.	920421214011	920421UBT004	DIVYA JOTHI.K	33
5.	920421214003	920421UBT005	ANANTHA KANNAN.V	27
6.	920421214013	920421UBT006	GAJALAKSHMI.K	37
7.	920421214033	920421UBT007	SABARI RAJ.B	27
8.	920421214038	920421UBT008	SHAMYUKTHA.T	36
9.	920421214007	920421UBT009	BAVADHARSHINI.K	37
10.	920421214039	920421UBT010	SIVA GANESH.S	25
11.	920421214016	920421UBT011	HARINI.T	36
12.	920421214022	920421UBT012	MADHUMITHA.S	35
13.	920421214009	920421UBT013	DHARSAN.K	34
14.	920421214020	920421UBT014	JAYA SUBHASH.V	28
15.	920421214008	920421UBT015	DEEPIKA.S	33
16.	920421214001	920421UBT016	ABINAYA.M	35
17.	920421214026	920421UBT017	NITHYA SHREE.J	A
18.	920421214045	920421UBT018	SWETHA.V	35
19.	920421214012	920421UBT019	FEMINA FATHIMA.A	36
20.	920421214042	920421UBT020	SUBITHA.S	34
21.	920421214027	920421UBT021	POOJA.C	36
22.	920421214040	920421UBT022	SORNAMALA RAMYA.K	27
23.	920421214028	920421UBT023	PRAVEEN.J	28
24.	920421214049	920421UBT024	YOGA DHARSHAN.S	28
25.	920421214048	920421UBT025	YAKGNA DEVI.M	36
26.	920421214006	920421UBT026	BALA PRIYA.V	36
27.	920421214037	920421UBT027	SHALINI.S	32
28.	920421214047	920421UBT029	VIJAYASHREE.V	32
29.	920421214002	920421UBT030	ADARSIYA.J	A
30.	920421214034	920421UBT031	SANMITAA.S	30
31.	920421214044	920421UBT032	SUJITHA.R	37

DEPARTMENT OF BIOTECHNOLOGY

Value Added Programme on "Comprehensive trail in revolutionary drug design: Pre-clinical research methodology"

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S.NO	Reg NO	Roll No	Name of the Student	Assessment 2
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3.	920421214015	920421UBT003	HARINI.M	37
4.	920421214011	920421UBT004	DIVYA JOTHI.K	33
5.	920421214003	920421UBT005	ANANTHA KANNAN.V	27
6.	920421214013	920421UBT006	GAJALAKSHMI.K	37
7.	920421214033	920421UBT007	SABARI RAJ.B	27
8.	920421214038	920421UBT008	SHAMYUKTHA.T	36
9.	920421214007	920421UBT009	BAVADHARSHINI.K	37
10.	920421214039	920421UBT010	SIVA GANESH.S	25
11.	920421214016	920421UBT011	HARINI.T	36
12.	920421214022	920421UBT012	MADHUMITHA.S	35
13.	920421214009	920421UBT013	DHARSAN.K	34
14.	920421214020	920421UBT014	JAYA SUBHASH.V	28
15.	920421214008	920421UBT015	DEEPIKA.S	33
16.	920421214001	920421UBT016	ABINAYA.M	35
17.	920421214026	920421UBT017	NITHYA SHREE.J	A
18.	920421214045	920421UBT018	SWETHA.V	35
19.	920421214012	920421UBT019	FEMINA FATHIMA.A	36
20.	920421214042	920421UBT020	SUBITHA.S	34
21.	920421214027	920421UBT021	POOJA.C	36
22.	920421214040	920421UBT022	SORNAMALA RAMYA.K	27
23.	920421214028	920421UBT023	PRAVEEN.J	28
24.	920421214049	920421UBT024	YOGA DHARSHAN.S	28
25.	920421214048	920421UBT025	YAKGNA DEVI.M	36
26.	920421214006	920421UBT026	BALA PRIYA.V	36
27.	920421214037	920421UBT027	SHALINI.S	32
28.	920421214047	920421UBT029	VIJAYASHREE.V	32
29.	920421214002	920421UBT030	ADARSIYA.J	A
30.	920421214034	920421UBT031	SANMITAA.S	30
31.	920421214044	920421UBT032	SUJITHA.R	37

32.	920421214036	920421UBT033	SASI BALAN.M	
33.	920421214043	920421UBT034	SUJA ULAGASHREE.K	36
34.	920421214029	920421UBT035	PRIYADHARSHINI.S	30
35.	920421214014	920421UBT036	HARI KRISHNANA.M	A
36.	920421214017	920421UBT037	HARSHITHA.S	28
37.	920421214024	920421UBT038	MUTHUGANESH.S	33
38.	920421214004	920421UBT039	ANIS FATHIMA.S	30
39.	920421214019	920421UBT040	JAYASREE.A	35
40.	920421214023	920421UBT042	MOHANA KANNAN.N	30
41.	920421214018	920421UBT043	JANASRITHAN.S	33
42.	920421214021	920421UBT044	KRISHA.K.S.	38
43.	920421214046	920421UBT045	UDITH SARAN.N	30
44.	920421214032	920421UBT046	RINITA JONELLIA.A	27
45.	920421214031	920421UBT047	RIDHU VARSHINI.T.S	30
46.	920421214030	920421UBT048	PRIYANGKA.S	26
47.	920421214025	920421UBT049	NANDHINI.G	26
				36

Coordinators

Dr.R.Baskaran

Dr.A.Realdo Anuf

Dr.D.Pradiba

Mrs.K.Chitradevi

HOD/BT

Dr.R.Shyam K

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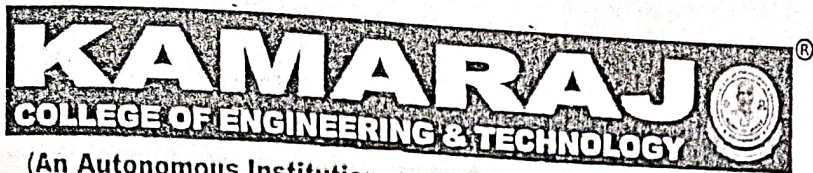
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(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF BIOTECHNOLOGY

Industry Certified Value-Added Course

On

“Comprehensive Trail in Revolutionary Drug Design: Pre-Clinical Research Methodology”

In association with

GK COCO COIR & A-CUBE SUBSTRATE, DYNAMIC MEGACEUTICS, CHENNAI.

31.07.2023 to 04.08.2023

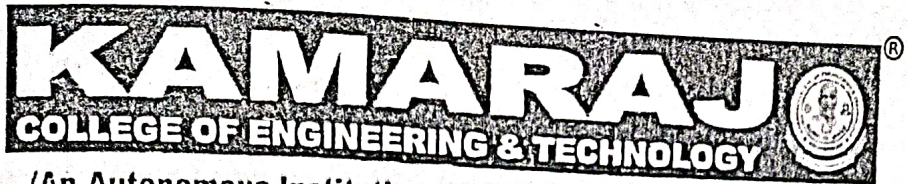
SUMMARY REPORT

A five days industry-certified value-added course entitled “Comprehensive Trail In Revolutionary Drug Design: Pre-Clinical Research Methodology” was organized by the Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar, in association with **GK COCO COIR & A-CUBE SUBSTRATE, DYNAMIC MEGACEUTICS, CHENNAI**, for III Year B. Tech Biotechnology students from 31.07.2023 to 04.08.2023.

Two trainers, Mr.Kaviraj **GK COCO COIR & A-CUBE SUBSTRATE**, and Ms Ramya, **DYNAMIC MEGACEUTICS, CHENNAI**, from handled the sessions. The primary objective of this program is to provide an understanding of clinical research and its scope in drug discovery process and to provide Hands-on training on zebrafish & Mouse models that mimic human pathophysiology and anatomical level. In addition, this course helped the students develop the skills required to work in Clinical Research, Pharmacology Studies in Common Diseases

Day 1:

Day 1 started with a inaugural function where our Head of the Department welcomed and felicitated the gathering. Then, one of the program coordinators, Dr A. Ronaldo Anuf, introduced the theme of the Value added course. After the initiation of the event, Ms. Ramya external trainers handled a session on an overview of the basics of drug discovery. She explained about overview of zebra fishes. She provided the anatomy, life cycle, morphology of zebra fishes. At



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the afternoon session, Mr. Kavi Raj delivered a lecture on biotechnology and its close relationship with medicine, psychology and their combined expertise for successful future. He also explained the housing techniques, the physical characteristics such as pH and temperature followed for zebra fish. In conclusion the outlook of a zebra fish's morphology and housing techniques to be followed were delivered in the session.

Day 2:

Trainer delivered the lecture about the different types of behavior that the zebrafish exhibits with respect to the drug. The various diseases and disorders and disease causing pathogens for zebra fish were elaborated. During the afternoon hours, they provided hand's on training on different assays, that analyze the fishes' behavioral patterns and the corresponding results interpretation and documentation.

Day 3:

In morning session, the resource person shared all their experiences and motivated us to search for more job opportunities and the fields that work on that promises a bright future. "The scope of being a biotechnologist is vast as the ocean" was the theme of that session. In the afternoon session, over dissection of zebra fish and how to view the dissected organs under microscope to get a clear representation and the identification of the types of cells.

Day 4 :

Lectures on animal handling is done by Dr. U. Muruganathan, he explained about morphology of rats, how to hold and the spots for injecting drug or drawing blood were specified. During the afternoon session, sedation, followed by the dissection of the rats were demonstrated. The procedures to follow through to observe cells of liver and kidney under microscope were explained and carried out. Both resource people were welcoming doubts and engaged in clearing doubts and sharing more information.

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Day 5:

The morning hours occupied with performing assays on the dissected organs and estimation of tissue protein, urea and their result interpretation were taught. The afternoon classes were filled with assessment tests and feedback for we are at the end of the programme.

Finally, the day was concluded with the Valedictory session. Dr S. Senthil, Principal of Kamaraj College of Engineering and Technology, attended the valedictory session and distributed the certificates to the students. Over all the students learnt the practical aspects of important Revolutionary Drug Design: Pre-clinical Research Methodology activities per the global standards and acquired the necessary skills and knowledge to work in Clinical Research Organizations. One of the program coordinators, Dr D.Pradiba, gave the vote of thanks and programme ended with national anthem.

P. Pradiba
Program Coordinator(s)

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