

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



Approved by: Pharmacy Council of India, New Delhi &

Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai.

Ethirmedu, B. Komarapalayam - 638183, Namakkal Dist. Tamilnadu, India.

Website: www.jkkmmrfpharmacy.edu.in / e.mail : principal@jkkmmrfpharmacy.edu.in

Contact No : +919789456750, +919943066944, +919943069944

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

ADD ON COURSE	EXPLORING METHOD DEVELOPMENT, VALIDATION AND INSIGHTS ANALYSIS OF BOTANICAL COMPOUNDS IN HPTLC
DEPARTMENT	PHARMACOGNOSY
ACADEMIC YEAR	2023-2024
DATE	10.07.2023-14.07.2023
VENUE	SEMINAR HALL

REPORT

No of Students Enrolled: 59

No of Students Certified: 54

No of students Absent: 05

Objectives:

The objective of the course provides the knowledge on exploration of method development, validation, and insights analysis of botanical compounds using HPTLC can have several important objectives. This objective aims to enhance their laboratory skills and techniques.

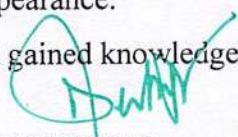
Note: Certificate will be issued only for the students attending more than three days

Learning outcome:

- Understanding of the fundamental principles of chromatography, including the sample mechanisms, sample interaction.
- Selection of appropriate stationary phase and mobile phase.
- To perform validation, experiments, including assessing parameters such as linearity, precision, accuracy and specify.
- To identify and characterize spots on HPTLC plates, determining R_f values and recognizing various compounds based on their visual appearance.
- The students were actively participated in this course and gained knowledge.


HOD




PRINCIPAL

Dr. N. SENTHILKUMAR,
PRINCIPAL

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ETHIRMEDU, KOMARAPALAYAM - 638 183.
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Dr. N. SENTHILKUMAR, Ph.D.,
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REF.NO: JKKM/PH-COGNOSY /REQ/2023/001

Date: 07.07.2023

From

Department of Pharmacognosy,

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 (**Exploring Method Development, Validation and Insights Analysis of Botanical Compounds In HPTLC**) –regarding.
Respected Sir,

With due respect, we request you to grant permission to conduct a Value-added course on **Exploring Method Development, Validation and Insights Analysis of Botanical Compounds in HPTLC** during **10.07.2023 - 14.07.2023** in the Seminar Hall. It will be a very informative course for our students.

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

Thank you

Dr. N.SENTHILKUMAR,
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Yours sincerely,


Signature of HOD.



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Date: 07.07.2023

CIRCULAR

This is informed to the B. PHARM (I, III, IV&VI), M. PHARM (I SEM) and PHARM.D (II) Students that the following value-added course can be conducted by the Department of Pharmacognosy, JKKMMRF's ANNAI JKK SAMPOORANI AMMAL COLLEGE OF PHARMACY and it will be commenced as per the schedule:

Course Name	Schedule	Duration	Venue
Exploring Method Development, Validation and Insights Analysis of Botanical Compounds In HPTLC	10.07.2023 to 14.07.2023	36 HRS	Seminar Hall

All the above-mentioned students must enroll 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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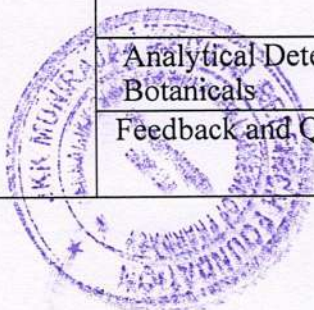
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SYLLABUS

DATE	TOPIC	TIME	DURATION	RESOURCE PERSONS
10.07.2023	Introduction	9.00 -10.30 AM	1Hr & 30mins	Dr. N. Senthil Kumar
		10.45-12.15 PM	1Hr & 30mins	
	HPTLC Method development	1.30-3.00 PM	1Hr & 30mins	
		3.15- 4.45 PM	1Hr & 30mins	
11.07.2023	Application of HPTLC	9.00 -10.30 AM	1Hr & 30mins	
		10.45-12.15PM	1Hr & 30mins	
	Botanicals in Healthcare	1.30-3.00PM	1Hr & 30mins	
		3.15-4.45PM	1Hr & 30mins	
12.07.2023	Botanicals raw material testing	9.00 -10.30AM	1Hr & 30mins	Dr.E. THILAGAM
		10.45-12.15PM	1Hr & 30mins	
	Quality control of Botanicals	1.30-3.00PM	1Hr & 30mins	
		3.15-4.45PM	1Hr & 30mins	
13.07.2023	Estimation of Bioactive components in HPTLC	9.00 -10.30AM	1Hr & 30mins	
		10.45-12.15PM	1Hr & 30mins	
	Quantitative Analysis of Botanical constituents by HPTLC	1.30-3.00PM	1Hr & 30mins	
		3.15-4.45PM	1Hr & 30mins	
14.07.2023	Lead compounds screening	9.00 -10.30AM	1Hr & 30mins	Dr. N. SENTHILKUMAR, PRINCIPAL
		10.45-12.15PM	1Hr & 30mins	
	HPTLC coupled mass spectroscopy for Botanical compounds Analysis	1.30-3.00PM	1Hr & 30mins	
		3.15-4.45PM	1Hr & 30mins	
	Fingerprinting Analysis	9.00 -10.30AM	1Hr & 30mins	
		10.45-12.15PM	1Hr & 30mins	
	Analytical Determination of Botanicals	1.30- 3.00PM	1Hr & 30mins	
	Feedback and Questionnaire session	3.15-4.45PM	1Hr & 30min	



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ABOUT US

Dr.JKK Munirajah founder Trustee founded Annai JKK Sampoorani Ammal Charitable Trust during 1971. He established many temples of learning to perpetuate the ever lasting memory his beloved mother. Presently the trust is run by Mrs. Vasantha Kumari Munirajah as Managing Trustee and his son Mr. J.K.M. Jayaprakash as Correspondent. Trust runs. Paramedical Institutions offering Diploma, Graduate, Post Graduate & Ph.D. Courses and Research in Pharmacy, Nursing, Physiotherapy, Occupational Therapy & Allied Health Science at Komarapalayam, Namakkal District and also running Agriculture, Engineering, College of Education, Polytechnic, Community Polytechnic and an Industrial Training Centre and one more Pharmacy College at T.N.Palayam, Erode District. Also, the trust runs Matriculation School, Higher Secondary School for differently abled, deaf and dumb & mentally ill, Rehabilitation center for differently able children at Komarapalayam. These educational institutions are temples of learning and have contributed much to facilitate remarkable social changes in our society. The trust has won many national and state awards. These renowned Educational Institutions spared education to promote knowledge, wisdom and service-orientation.



RESOURCE PERSON



Dr. N. SENTHIL KUMAR M.Pharm.,Ph.D
PRINCIPAL
JKKMMRF'S ANNAI JKK SAMPOORANI
AMMAL COLLEGE OF PHARMACY
KOMARAPALAYAM.



Dr. E. THILAGAM M.Pharm.,Ph.D
PROFESSOR & HEAD
DEPARTMENT OF PHARMACOLOGY
JKKMMRF'S ANNAI JKK SAMPOORANI AMMAL
COLLEGE OF PHARMACY.
KOMARAPALAYAM.

Dr. N. SENTHILKUMAR,
PRINCIPAL,

VENUE: SEMINAR HALL

DATE: 10.07.2023

14.07.2024

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KOMARAPALAYAM 638-183



VALUE ADDED COURSE

TOPIC: EXPLORING METHOD
DEVELOPMENT, VALIDATION
AND INSIGHTS ANALYSIS OF
BOTANICAL COMPOUNDS IN
HPTLC.

ORGANIZED BY
DEPARTMENT OF
PHARMACOLOGY

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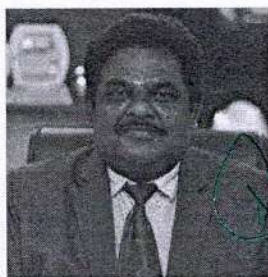
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RESOURCE PERSON PROFILE



Name : Dr.N. Senthil Kumar
Designation : Principal
Organization : JKK Munirajah Medical Research Foundation – Annai JKK Sampoorani
Ammal College of Pharmacy, Komarapalayam
Phone Number : 9842024640
Email Id : senthilkumarjkk@gmail.com
Qualification : M. Pharm., Ph. D
Experience : 33 Years



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RESOURCE PERSON PROFILE



Name : Dr.E. Thilagam
Designation : Professor and Head
Department : Pharmacognosy
Organization : JKK Munirajah Medical Research Foundation – Annai JKK Sampoarani
Ammal College of Pharmacy, Komarapalayam
Phone Number : 7708149555
Email Id : thilagampharma@gmail.com
Qualification : M. Pharm., Ph. D
Experience : 32 Years



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FOLLOWING FACULTY MEMBERS ORGANIZING VALUE ADDED COURSE PROGRAM

S.NO	NAME OF THE FACULTIES	DESIGNATION
1.	Mr. Vijay Amirthrj	Professor and Head
2.	Dr.P. SatheeshKumar	Associate Professor
3.	Mr. V. Suresh Kannan	Assistant Professor




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STUDENTS ENROLLMENT

S.N o	Register No	Students Name	Year	Course	Signature
1	380022507513	KIRUBA K	II	PHARM D	Kiruba
2	380022507514	LOKESH L	II	PHARM D	Lokesh
3	380022507515	MANIKANDAN V	II	PHARM D	Mani
4	380022507516	MANOJ C	II	PHARM D	Manoj
5	560023507525	HARIPRASATH M	SEM-I	B.PHARM	A 2 A
6	560023507526	HARISANTH V	SEM-I	B.PHARM	Harisanth
7	560023507527	HARISH V	SEM-I	B.PHARM	Harish
8	560023507528	JANANI S	SEM-I	B.PHARM	Janani
9	560023507529	JASMINE FELCIE M	SEM-I	B.PHARM	Jasmine
10	560023507530	JEEVANANDHAN Y	SEM-I	B.PHARM	Jeevan
11	560023507582	SUGANTH R M	SEM-I	B.PHARM	H. S. J.
12	560023507583	SUGANTHAN E	SEM-I	B.PHARM	Suganthan
13	560023507584	SUMAIYA S	SEM-I	B.PHARM	Sumaiya
14	560023507585	SURYA R	SEM-I	B.PHARM	Surya
15	560023507586	SUSHMITHA K	SEM-I	B.PHARM	Sushmitha
16	560023507587	SWATHI M	SEM-I	B.PHARM	SWATHI
17	560023507588	TAMILMARAN A	SEM-I	B.PHARM	Tamilmaran
18	560023507589	THARANI M	SEM-I	B.PHARM	Tharani
19	560023507590	THARUN M U	SEM-I	B.PHARM	Tharun
20	560023507591	THILAGAVATHI S	SEM-I	B.PHARM	Thilagavathi



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21	560022507549	NAVEENKUMAR J	SEM-III	B.PHARM	Naveen
22	560022507550	NITHYASRI R	SEM-III	B.PHARM	Nithyasri
23	560022507551	PALANISAMY P	SEM-III	B.PHARM	Palanisamy
24	560022507552	PAVISH V	SEM-III	B.PHARM	Pavish
25	560022507553	PRADHAP E	SEM-III	B.PHARM	E. Pradhap
26	560022507554	PRAGADEESWARAN S D	SEM-III	B.PHARM	Pragadeeswarar
27	560022507555	PRAVEEN K S	SEM-III	B.PHARM	S. Praveen
28	560022507556	PREM L	SEM-III	B.PHARM	Preml
29	560021507531	GUNASEKARAN V	SEM-IV	B.PHARM	V. Gunasekaran
30	560021507532	GURUPRASATTH S K	SEM-IV	B.PHARM	S. Guruprasath
31	560021507533	HARI BHARATHI S	SEM-IV	B.PHARM	S. Hariharathi
32	560021507578	SANTHOSH S R	SEM-IV	B.PHARM	S. Santhosh
33	560021507579	SANTHOSH S	SEM-IV	B.PHARM	S. Santhosh
34	560021507580	SETHUPATHY M	SEM-IV	B.PHARM	M. Sethupathy
35	560021507581	SIVAPRAKASAM C	SEM-IV	B.PHARM	C. Sivaprakasam
36	560021507582	SIVASURYA P	SEM-IV	B.PHARM	P. Sivasurya
37	560021507583	SOUNDHIRARAJAN K	SEM-IV	B.PHARM	K. Soundhirarajan
38	560021507573	RUTHCHRISTYKALA B	SEM-IV	B.PHARM	B. Ruthchristykala
39	560021507574	SAESHANANDA G	SEM-IV	B.PHARM	G. Saeshananda
40	560021507575	SAJITH Y	SEM-IV	B.PHARM	Y. Sajith
41	560021507576	SALEEM A	SEM-IV	B.PHARM	A. Saleem
42	560021507577	SANJAI K	SEM-IV	B.PHARM	K. Sanjai
43	560021507560	NAVEEN KUMAR M	SEM-IV	B.PHARM	M. Naveen Kumar
44	560021507561	NAVEENA K	SEM-IV	B.PHARM	K. Naveena
45	560021507562	NEHAA K	SEM-IV	B.PHARM	K. Neha
46	560021507603	HEMAVARSHINY K	SEM-VI	B.PHARM	K. Hemavarshiny

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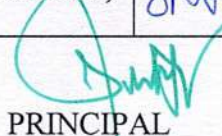
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47	560021507604	KANNAN M	SEM-VI	B.PHARM	Kannan
48	560021507605	KARTHIK K	SEM-VI	B.PHARM	Karthik
49	560021507606	LOKESH R	SEM-VI	B.PHARM	Lokesh R
50	560021507607	NAVEENKUMAR M	SEM-VI	B.PHARM	Naveen
51	560021507608	PONNUVEL M	SEM-VI	B.PHARM	Ponnuvel
52	560021507609	PRABHU M	SEM-VI	B.PHARM	Prabhu
53	560021507610	SARAN R	SEM-VI	B.PHARM	Saran R
54	560021507611	VELMURUGAN D	SEM-VI	B.PHARM	Velmurugan D
55	261823507505	ELAVARASAN P	SEM-I	M.PHARM (REGULATORY AFFAIRS)	Elavarasan P
56	261823507506	GOPINATH P	SEM-I	M.PHARM (REGULATORY AFFAIRS)	Gopinath P
57	261823507508	JAGANATHAN B	SEM-I	M.PHARM (REGULATORY AFFAIRS)	Jaganathan B
58	261623507512	SANGEETHA M	SEM-I	M.PHARM (PHARMACOLOGY)	Sangeetha M
59	261623507513	SHIFA SHERIN K	SEM-I	M.PHARM (PHARMACOLOGY)	Shifa Sherin K


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DEPARTMENT	PHARMACOGNOSY
ACADEMIC YEAR	2023-2024
DATE	10.07.2023-14.07.2023
VENUE	SEMINAR HALL

STUDENTS ATTENDANCE

S.NO	Register No	Students Name	10.7.23	11.7.23	12.7.23	13.7.23	14.7.23
1	380022507513	KIRUBA K	/	/	/	/	/
2	380022507514	LOKESH L	/	/	/	/	/
3	380022507515	MANIKANDAN V	/	/	/	/	/
4	380022507516	MANOJ C	/	/	/	/	/
5	560023507525	HARIPRASATH M	/	/	/	/	/
6	560023507526	HARISANTH V	/	/	/	/	/
7	560023507527	HARISH V	/	/	/	/	/
8	560023507528	JANANI S	/	/	/	/	/
9	560023507529	JASMINE FELCIE M	/	/	/	/	/
10	560023507530	JEEVANANDHAN Y	AB	/	AB	AB	AB
11	560023507582	SUGANTH R M	/	/	/	/	/
12	560023507583	SUGANTHAN E	/	/	/	/	/
13	560023507584	SUMAIYA S	/	/	/	/	/
14	560023507585	SURYA R	/	/	/	/	/
15	560023507586	SUSHMITHA K	/	/	/	/	/
16	560023507587	SWATHI M	/	/	/	/	/
17	560023507588	TAMILMARAN A	/	/	/	/	/
18	560023507589	THARANI M	/	/	/	/	/

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19	560023507590	THARUN M U	/	/	/	/	/
20	560023507591	THILAGAVATHI S	AB	/	AB	AB	AB
21	560022507549	NAVEENKUMAR J	/	/	/	/	/
22	560022507550	NITHYASRI R	/	/	/	/	/
23	560022507551	PALANISAMY P	/	/	/	/	/
24	560022507552	PAVISH V	/	/	/	/	/
25	560022507553	PRADHAP E	/	/	/	/	/
26	560022507554	PRAGADEESWARAN S D	/	/	/	/	/
27	560022507555	PRAVEEN K S	/	/	/	/	/
28	560022507556	PREM L	/	/	/	/	/
29	560021507531	GUNASEKARAN V	/	/	/	/	/
30	560021507532	GURUPRASATTH S K	/	AB	AB	AB	AB
31	560021507533	HARI BHARATHI S	/	/	/	/	/
32	560021507578	SANTHOSH S R	/	/	/	/	/
33	560021507579	SANTHOSH S	/	/	/	/	/
34	560021507580	SETHUPATHY M	/	/	/	/	/
35	560021507581	SIVAPRAKASAM C	/	/	/	/	/
36	560021507582	SIVASURYA P	/	/	/	/	/
37	560021507583	SOUNDHIRARAJAN K	/	/	/	/	/
38	560021507573	RUTHCHRISTYKALA B	/	/	/	/	/
39	560021507574	SAESHANANDA G	/	/	/	/	/
40	560021507575	SAJITH Y	AB	/	AB	AB	AB
41	560021507576	SALEEM A	/	/	/	/	/
42	560021507577	SANJAI K	/	/	/	/	/

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43	560021507560	NAVEEN KUMAR M	/	/	/	/	/
44	560021507561	NAVEENA K	/	/	/	/	/
45	560021507562	NEHAA K	/	/	/	/	/
46	560021507603	HEMAVARSHINY K	/	/	/	/	/
47	560021507604	KANNAN M	/	/	/	/	/
48	560021507605	KARTHIK K	/	/	/	/	/
49	560021507606	LOKESH R	/	/	/	/	/
50	560021507607	NAVEENKUMAR M	AB	AB	/	AB	AB
51	560021507608	PONNUVEL M	/	/	/	/	/
52	560021507609	PRABHU M	/	/	/	/	/
53	560021507610	SARAN R	/	/	/	/	/
54	560021507611	VELMURUGAN D	/	/	/	/	/
55	261823507505	ELAVARASAN P	/	/	/	/	/
56	261823507506	GOPINATH P	/	/	/	/	/
57	261823507508	JAGANATHAN B	/	/	/	/	/
58	261623507512	SANGEETHA M	/	/	/	/	/
59	261623507513	SHIFA SHERIN K	/	/	/	/	/



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ADD ON COURSE – STUDENT ANSWER SHEET

ADD – ON COURSE TITLE	EXPLORING METHOD DEVELOPMENT, VALIDATION AND INSIGHTS ANALYSIS OF BOTANICAL COMPOUNDS IN HPTLC	
NAME OF THE STUDENT	NITHYASRI . R.	
DATE	14.7.23	
REGISTER NO	560022507550	
COURSE/ YEAR/ SEM	B PHARM / II - SEM	MARKS OBTAINED: 18
SIGNATURE:	STUDENT: Nithyasri	STAFF: [Signature]

MULTIPLE CHOICE QUESTIONS

I. CHOOSE THE CORRECT ANSWER:

TOTAL MARKS: 20X1=20

1) What does HPTLC stand for?

- a) High-Performance Temperature Liquid Chromatography
- ☒ b) High-Performance Thin-Layer Chromatography
- c) High-Pressure Thin-Layer Chromatography
- d) High-Precision Thin-Layer Chromatography

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10) What term is commonly used to describe the use of plants or plant-derived substances for medicinal purposes?

- a) Botanical gardening
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11) The study of the traditional knowledge and customs of a particular culture related to the use of plants for medicinal purposes is known as:

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12) Botanicals like Aloe vera are often used in skincare products due to their:

- ☒ a) Antioxidant properties
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- a) To assess the aesthetic qualities of the plant material
- b) To determine the economic value of the plant material
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14) Which quality control parameter helps assess the presence of foreign matter in botanical raw materials, such as dirt, leaves, or stems?

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- ☒ c) Ash content
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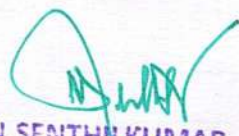
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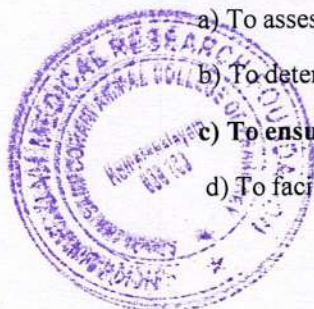
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- b) FTIR
- c) Folin-Ciocalteu assay**
- d) ELISA




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ADD ON COURSE	EXPLORING METHOD DEVELOPMENT, VALIDATION AND INSIGHTS ANALYSIS OF BOTANICAL COMPOUNDS IN HPTLC
DEPARTMENT	PHARMACOGNOSY
ACADEMIC YEAR	2023-2024
DATE	10.07.2023-14.07.2023
VENUE	SEMINAR HALL

STUDENTS MARK STATEMENT

S. No	Register No	Students Name	Mark	Percentage
1	380022507513	KIRUBA K	20	100%
2	380022507514	LOKESH L	18	98%
3	380022507515	MANIKANDAN V	19	99%
4	380022507516	MANOJ C	19	99%
5	560023507525	HARIPRASATH M	20	100%
6	560023507526	HARISANTH V	18	98%
7	560023507527	HARISH V	20	100%
8	560023507528	JANANI S	18	98%
9	560023507529	JASMINE FELCIE M	20	100%
10	560023507530	JEEVANANDHAN Y	AB	AB
11	560023507582	SUGANTH R M	18	98%
12	560023507583	SUGANTHAN E	18	98%
13	560023507584	SUMAIYA S	19	99%
14	560023507585	SURYA R	20	100%
15	560023507586	SUSHMITHA K	18	98%
16	560023507587	SWATHI M	19	99%
17	560023507588	TAMILMARAN A	20	100%

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18	560023507589	THARANIM	19	99%
19	560023507590	THARUN M U	20	100%
20	560023507591	THILAGAVATHI S	AB	AB
21	560022507549	NAVEENKUMAR J	19	99%
22	560022507550	NITHYASRI R	18	98%
23	560022507551	PALANISAMY P	19	99%
24	560022507552	PAVISH V	20	100%
25	560022507553	PRADHAP E	20	100%
26	560022507554	PRAGADEESWARAN S D	19	99%
27	560022507555	PRAVEEN K S	19	99%
28	560022507556	PREM L	18	98%
29	560021507531	GUNASEKARAN V	19	99%
30	560021507532	GURUPRASATTH S K	AB	AB
31	560021507533	HARI BHARATHI S	20	100%
32	560021507578	SANTHOSH S R	19	99%
33	560021507579	SANTHOSH S	18	98%
34	560021507580	SETHUPATHY M	20	100%
35	560021507581	SIVAPRAKASAM C	19	99%
36	560021507582	SIVASURYA P	20	100%
37	560021507583	SOUNDHIRARAJAN K	19	99%
38	560021507573	RUTHCHRISTYKALA B	19	99%
39	560021507574	SAESHANANDA G	20	100%
40	560021507575	SAJITH Y	AB	AB
41	560021507576	SALEEM A	20	100%
42	560021507577	SANJAI K	19	99%



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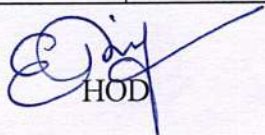
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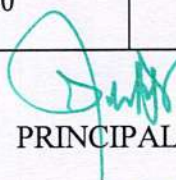
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43	560021507560	NAVEEN KUMAR M	20	100%
44	560021507561	NAVEENA K	19	99%
45	560021507562	NEHAA K	18	98%
46	560021507603	HEMAVARSHINY K	18	98%
47	560021507604	KANNAN M	19	99%
48	560021507605	KARTHIK K	20	100%
49	560021507606	LOKESH R	20	100%
50	560021507607	NAVEENKUMAR M	AB	AB
51	560021507608	PONNUVEL M	19	99%
52	560021507609	PRABHU M	19	99%
53	560021507610	SARAN R	18	98%
54	560021507611	VELMURUGAN D	20	100%
55	261823507505	ELAVARASAN P	20	100%
56	261823507506	GOPINATH P	19	99%
57	261823507508	JAGANATHAN B	20	100%
58	261623507512	SANGEETHA M	18	98%
59	261623507513	SHIFA SHERIN K	20	100%


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FEEDBACK FORM

NAME OF THE STUDENT: NITHYASRI.R. REGISTER NO: 560022507550

COURSE: B. PHARM III - SEM DATE: 14.7.23

TOPIC: EXPLORING METHOD DEVELOPMENT, EMAIL:
VALIDATION & INSIGHTS ANALYSIS OF

CONTACT NO: BOTANICAL COMPOUNDS IN HPTLC

S.no	Description	Satisfactory	Good	Very good	Excellent
1.	Usefulness of the information provided			✓	
2.	Design of the session? (Organization, format, pacing)			✓	
3.	Presentation of information				✓
4.	Overall quality of the session			✓	
5.	Clarity in delivering concepts			✓	
6.	Interaction				

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The presentation was given by Dr.E.Thilagam Professor & Head, Dept of Pharmacognosy on
10.07.2023



The presentation was given by Dr.N.Senthil Kumar, Principal Dept of Pharmaceutical
Chemistry on 12.07.2023

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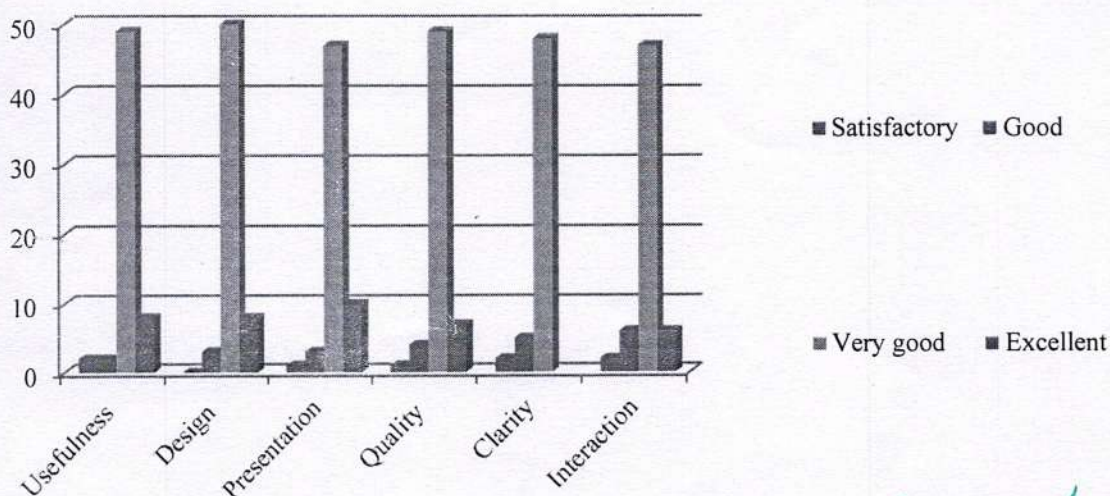
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STUDENTS FEEDBACK ANALYSIS




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VALUE ADDED COURSE

DEPARTMENT OF PHARMACOGNOSY



**EXPLORING METHOD DEVELOPMENT, VALIDATION AND
INSIGHTS ANALYSIS OF BOTANICAL COMPOUNDS IN HPTLC**

CERTIFICATE OF PARTICIPATION

This certify that Mr./ Ms./ Mrs./ Dr. NITHYA SRI R has
participated in value added course on Exploring method development, validation and
insights analysis of botanical compounds in HPTLC held on 10.07.2024 to 14.07.2024



Organizing Secretary



Convenor

**Dr. N. SENTHILKUMAR,
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