



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

[DEEMED TO BE UNIVERSITY]

Accredited "A++" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

SCHOOL OF PHARMACY

1.3.3 Value Added Courses 2022- 2023

S. No.	Title	Dates	No. of Students Enrolled	No. of Students Completed	Page No.
1	Pharmaceutical Calculations	20.01.2023 to 10.02.2023	70	70	2
2	Current Trends in Pharmaceutical Research	15.02.2023 to 14.03.2023	118	118	7
3	Role of Pharmacist in Health Care	21.03.2023 to 16.04.2023	112	112	15


SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai – 600 119.

1. Pharmaceutical Calculations

COURSE DESCRIPTION

Value Added course enriches the knowledge on various pharmaceutical calculations in formulation of dosage forms and its administration.

COURSE OUTCOMES

Upon completion of this program the student will have fundamental knowledge in preparing conventional dosage forms

COURSE CONTENTS

S.No	Topic Name	No. of Hours
1	Dosage Calculations	6
2	Dilutions & Concentrations	6
3	Percentage Solutions & Isotonicity	6
4	Moles & Molarity	6
5	Normality & Molality	6
Total No. of Hours		30 Hours

CHIEF PATRON

Dr. Mariazeena Johnson *Chancellor, SIST*

Dr. Marie Johnson *President, SIST*

Mr. J. Arul Selvan *Vice-President, SIST*

Mrs. Maria Bernadette Tamilarasi *Vice-president, SIST*

Ms. Maria Catherine Jayapriya *Vice-president, SIST*



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SCHOOL OF PHARMACY

VALUE ADDED COURSES

Course Name: **Pharmaceutical Calculations**

Dates: **20.01.2023 to 10.02.2023**



CONVENOR

Dr. P. Shanmugapandiyan, *Dean, School of Pharmacy.*

COORDINATOR

Dr. S. Arun Kumar., *Associate Professor, School of Pharmacy.*

SYLLABUS

Chapter No.	Topic Name	Resource Person	No. of Hours
1	Dosage Calculations : Dose, Posology, calculation of doses for infants, adults and elderly patients;	Mr.V.Vijaya Kumar Assistant Professor School of Pharmacy, SIST	8 hrs
2	Dilutions & Concentrations : Enlarging and reducing recipes percentage solutions, allegation, alcohol dilution, proof spirit,	Dr.S.Amudha Associate Professor School of Pharmacy, SIST	7 hrs
3	Percentage Solutions & Isotonicity: Calculations based on % W/W, % V/V and % W/V, Solubility Scale and its Importance Freezing point Methods, Sodium chloride Equivalent Methods, Hyper tonic, Hypo tonic and Isotonic solutions and importance	Dr.Joan Vijetha. S Associate Professor School of Pharmacy, SIST	7 hrs
4	Moles & Molarity : Definition, Mole, Molarity, Mole, Mole fraction, % Mole Fraction and Calculations	Dr. S. Arun Kumar Associate Professor School of Pharmacy, SIST	4 hrs
5	Normality & Molality : Definition of Normality, Molality and its Calculations	Dr. L. Kaviarasan Assistant Professor School of Pharmacy, SIST	4 hrs
Total Hours			30 hrs

Outcomes of the Course:

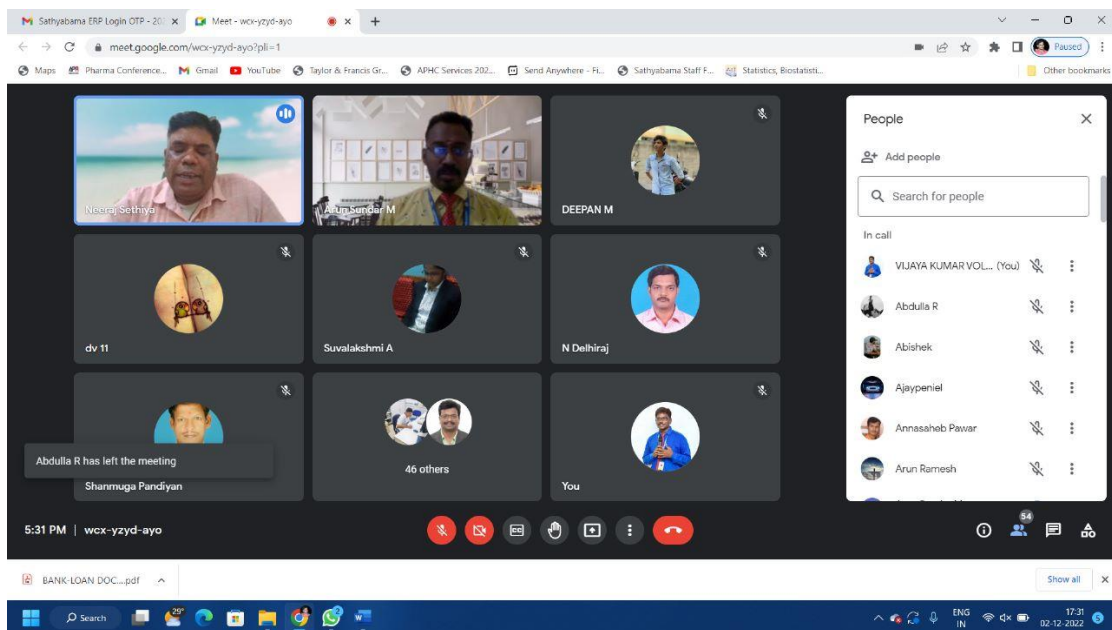
Upon completion of this program the student will able to

- Know the calculations involved for diluting the solutions and other liquid dosage forms
- Practice the dosage calculations to prescribe the accurate dose to the patients
- Understand the concept of isotonicity in preparation of sterile dosage forms
- Know about the Molarity, Normality, Molality and Mole fraction calculations

List of the students

S.No	Registration Number	Student Name
1	41050001	AKASH S
2	41050002	ANKIT KUMAR
3	41050003	M.R. ANU HARINI
4	41050004	ARUN
5	41050005	S ARVIND SAMUEL
6	41050006	DANIEL SHARON R M
7	41050007	DANIEL
8	41050008	DHANUSHKODI
9	41050009	ELANGO VAN P
10	41050010	GANESAN .M
11	41050011	GAYATHRI J
12	41050012	M. GNANA BENCY RANI
13	41050013	GOBI KRISHNA . R .G
14	41050014	HARIHARAN
15	41050015	M. HARIHARAN
16	41050016	HEMANTHRAJ.T
17	41050018	JAGANKUMAR M
18	41050019	JAYASEELAN
19	41050020	JAYASRI R
20	41050021	JEEVA
21	41050022	KAILASH
22	41050023	KOWSALYA S
23	41050024	M. LATHIKA
24	41050025	LINGESWARAN
25	41050026	LINGESHWARAN M
26	41050027	LOGESHWARI
27	41050028	M.LOKESH
28	41050029	LOKESH
29	41050030	MANIKANDAN P
30	41050031	MANJU RAJAN
31	41050032	MANOJ KUMAR
32	41050033	MEGAVARTHINI. K.V
33	41050034	S. MOHAMED ARSHAD
34	41050035	L. MOHAMMED HANIF
35	41050036	MOHMED KALAZA
36	41050037	V.MONIKA
37	41050038	C.MUTHU KRISHNAN
38	41050039	NAVEEN.N
39	41050040	NAVEEN KUMAR M
40	41050041	NITHIN BALA
41	41050042	NITHYA SREE

42	41050043	NIVEDHITHA SHRI G
43	41050044	PAVITHRA R
44	41050045	PRANESH.B.M
45	41050046	PRASANTH KUMAR REDDY
46	41050047	PREMA S
47	41050048	PURUSHOTHAM S
48	41050049	RUBAN JAYARAJ A
49	41050050	SANTHOSH.K
50	41050051	H SATHEESH KUMAR
51	41050052	SHIVANI DEVI
52	41050053	SIVA SUBRAMANI BHARATHI .K
53	41050054	SOHINI GHOSH
54	41050055	SONAL SHARMA
55	41050056	R. VARSHINI
56	41050057	M.VIDHYA DEVI
57	41050058	M. VIDISHA NAIR
58	41050059	YAZHINI K S
59	41050060	ARGHYA MISRA
60	41050061	GUNTUBOINA SREE RAKSHITHA
61	41050062	KAVINAIYA.M
62	41050063	BANUPRIYA.R
63	41050064	VIGNESH M
64	41050065	JOTHI GANESH V
65	41050701	BALASUNDARAM K
66	41050702	MONISHA D
67	41050703	LAVANYA R S
68	41050704	GAYATHRI B
69	41050705	LAVANYA. M
70	41050706	DEEPA ROSE MARY A



CERTIFICATE



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SCHOOL OF PHARMACY

This is to certify that

Ms. PREMA. S

Bearing Register Number 41050047 has successfully completed "*Value added Course: Pharmaceutical Calculations*" organized by School of Pharmacy, SIST during the year 2022-2023 from 20th January-2023 to 10th February-2023.


Dr. S. Arun Kumar
Coordinator


Dr. P. Shanmugapandian
Dean, School of Pharmacy

2. Current Trends in Pharmaceutical Research

COURSE DESCRIPTION

Value Added course enriches the knowledge on current updates in pharmaceutical research.

COURSE OUTCOMES

Upon completion of this program the student will gain the updated information's regarding the trends in pharmaceutical research.

COURSE CONTENTS

S.No	Topic Name	No. of Hours
1	Medicinal Aspects in Stereo Chemistry	6
2	Molecular Docking	6
3	IVRT Principle and Fundamentals	6
4	Quality by design-DoE	6
5	Isolation of active constituents	6
Total No. of Hours		30 Hours

CHIEF PATRON

Dr. Mariazeena Johnson Chancellor, SIST

Dr. Marie Johnson President, SIST

Mr. J. Arul Selvan Vice-President, SIST

Mrs. Maria Bernadette Tamilarasi Vice-president, SIST

Ms. Maria Catherine Jayapriya Vice-president, SIST



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SCHOOL OF PHARMACY

VALUE ADDED COURSES

Course Name: **Current Trends in Pharmaceutical Research**

Dates: **15.02.2023 to 10.03.2023**



CONVENOR

Dr. P. Shanmugapandiyan Dean, School of Pharmacy.

COORDINATOR

Dr. S. Arun Kumar., Associate Professor, School of Pharmacy.

SYLLABUS

Chapter No.	Topic Name	Resource Person	No. of Hours
1	Medicinal Aspects in Stereo Chemistry: Introduction to stereochemistry and importance of stereochemistry	Dr. S. Arun Kumar Associate Professor School of Pharmacy, SIST	6 hrs
2	Molecular Docking: Introduction to Molecular Docking and mechanism of the molecular docking, different tools used for the molecular docking	Dr. P. Shanmugapandiyan Dean & Professor School of Pharmacy, SIST	8hrs
3	IVRT Principle and Fundamentals : <i>In vitro</i> Release Testing for the Topical Dosage forms and Method development for the Dapsone Ointment by Franz diffusion studies	Mr. S. Jayadev Sr. Manager Inviron Pvt Ltd, Hyderabad	6 hrs
4	Quality by design-DoE: Importance of DoE in formulation design and software Tools used for their optimization	Dr. U. Ubaidulla Associate Professor BSARCIIST, Crescent School of Pharmacy	5 hrs
5	Isolation of active constituents: Methods used for the isolation of the different phyto constituents from the plant based crude drugs, solvent selection, characterization, process controlled parameters Phytochemistry, Types of Phytoconstituents, Methods of isolation	Mrs. G. Shanthini Nachiyar Assistant Professor School of Pharmacy, SIST	5 hrs
Total Hours			30 hrs

Course Outcomes:

After the successful completion of this course, the student shall be able to:

- Acquire high consciousness of current issues related to pharmaceutical problems within the country.
- Have a critical way of thinking based on current research in pharmaceutical field development.
- Evaluate alternative ways of solving problems in discovering new drug molecules, dosage forms and screening.
- Analyze and interpret the data for the method and formulation development.

LIST OF THE STUDENTS

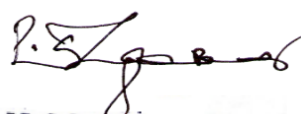
S. No.	Registration Number	Student Name
1.	39050001	ABINESH BABU. M
2.	39050002	ABISHEK. P
3.	39050003	AGILAN. V
4.	39050004	ANAND RAJ. K.R
5.	39050005	ANBUMANI. A
6.	39050006	ARCHANA. D
7.	39050008	BACEER. N
8.	39050009	BALAJI. N
9.	39050010	CHITHIRASELVI. T
10.	39050011	DEEPAK. M
11.	39050012	DEEPAN BALAJI. M
12.	39050013	DILIP KUMAR. S
13.	39050014	DILLI BABU. S
14.	39050015	GOKUL. V
15.	39050017	INDRA. K
16.	39050018	JAYAPRIYA. G
17.	39050019	JAYASHREE. V
18.	39050020	JEEVARATHINAM. M

19.	39050021	KARTHICK. M
20.	39050022	KARTHIK. V
21.	39050023	KATHIRESAN. M
22.	39050024	KAVIYANJALI. R
23.	39050025	KEERTHANA. V
24.	39050026	KOKILA. S
25.	39050027	KRITHIGA. E
26.	39050028	LALITHA. P
27.	39050030	MOHANAPRIYA. B
28.	39050031	NARANDHAR PRASATH. V.T
29.	39050032	NITHISH KUMAR. S
30.	39050033	NITHYA DHARANI. B
31.	39050034	NIVEDITHA. S
32.	39050035	NIVETHA. S
33.	39050036	PAVITHRA. K
34.	39050037	PAVITHRA. S
35.	39050040	PURUSHOTHAMAN. G
36.	39050041	RASIGA. S
37.	39050042	RUPPANA. S
38.	39050043	SAKTHI PRIYA. P
39.	39050044	SANDEEP. V
40.	39050045	SANDHIYA. A
41.	39050046	SANDHOSHINI. D
42.	39050049	SHERLYN YESUDIAL. A
43.	39050050	SHYAM SUDARSAN. S
44.	39050051	SOUNDRAPANDIAN. T
45.	39050052	SRI DHANUSH. S
46.	39050053	SUREKA. B
47.	39050054	SURENDAR. T

48.	39050055	SUVA LAKSHMMI. A
49.	39050056	THANIKACHALAM. C
50.	39050057	VARSHINI. K
51.	39050058	VELMURUGAN. R
52.	39050059	VIDHYAGAR. B
53.	39050060	YESHWANTH. K
54.	39050701	SANTHOSH KUMAR.R
55.	40050001	ADVAIT ANAND
56.	40050002	AKSHAYA. N
57.	40050003	ALLAN ANTHONY. J
58.	40050004	ALLAN BRITTO BHEN. P
59.	40050005	ANISHA B BASHIR. B
60.	40050006	ANISHIYA. M
61.	40050007	ANNIE BHUVANA MARY. A
62.	40050008	ASWIN SURAJ. S
63.	40050009	BALAJI.R
64.	40050010	KESAVARDHINI. D
65.	40050011	DHIVYA SRI. G
66.	40050012	DILLI BABU. V
67.	40050013	DIVYA VARSHINI
68.	40050014	GOKUL NATHAN. V
69.	40050015	GOPINATH. N
70.	40050016	HARINI. V
71.	40050017	HARISH. P
72.	40050018	HIRUTHIKSHA. G
73.	40050019	ISAAC SELVAKUMAR
74.	40050020	ISWARYA. P
75.	40050021	KAMESH. K

76.	40050022	KAMESH. K
77.	40050023	KARTHICKEYAN. H
78.	40050024	KAVIARASAN. S
79.	40050025	KAVIYA. A
80.	40050026	KAVIYARASAN. K
81.	40050027	KEERTHIKA.A
82.	40050028	MADHAVAN. S
83.	40050029	MERLIN MADHUMITHA.J
84.	40050030	MOHANA SUNDARAM. S
85.	40050031	NIHIL SURYA. S.P
86.	40050032	NITHYA SREE.B
87.	40050033	NUSRATHUNISHA. S.F
88.	40050034	PARREDDY ABHI SARAYU REDDY
89.	40050035	PRAVEEN. A
90.	40050036	PRAWIN BAALAJI. S
91.	40050037	PRETHEES.M
92.	40050038	RAJALAKSHMI.M
93.	40050039	RAJA PANDIAN. M
94.	40050040	RAJESWARI.J
95.	40050041	SAILESH. RS
96.	40050042	SAM DANIEL. J
97.	40050043	SAM PAUL DURAI. A
98.	40050044	SARANYA.N
99.	40050045	SARAVANA KUMAR. E
100.	40050046	SATHISH. K
101.	40050047	SINDHU.C
102.	40050048	SREELEKHAA.T.
103.	40050049	SRINATH. M

104.	40050050	SUGANYA. T
105.	40050051	SUGAPRIYA. B
106.	40050052	SUJI PRIYA. R
107.	40050053	VASANTH. B
108.	40050054	VASANTH. E
109.	40050055	VENKATARAMANAN. G
110.	40050056	VIMALAVIVIN. S
111.	40050057	VISHAL ANTO.J
112.	40050058	VISHWA. S
113.	40050059	YAMUNA. R
114.	40050060	YUVANSELVAN. R
115.	40050701	KANNAN G
116.	40050702	HARIHARA SUTHAN S
117.	40050703	SOLOMON A
118.	40050704	J KARTHICK


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 **SCHOOL OF PHARMACY**

This is to certify that

Ms. SREE LEKHA. T

Bearing Register Number 40050048 has successfully completed "*Current Trends in Pharmaceutical Research*" organized by School of Pharmacy, SIST during the year 2022-2023 from 15th February-2023 to 10th March -2023.


Dr. S. Arun Kumar
Coordinator


Dr. P. Shanmugapandiyan
Dean, School of Pharmacy

3. Role of Pharmacist in Health Care

COURSE DESCRIPTION

Value Added course enriches the knowledge on dispensing, counseling, dosage form review and dosing adjustments to the patients.

COURSE OUTCOMES

Upon completion of this program the student will have fundamental knowledge in dispensing the medications to the patients

COURSE CONTENTS

S.No	Topic Name	No. of Hours
1	Compounding and dispensing of medications	6
2	Counseling patients regarding drug therapy	6
3	Prescribing pattern of the drugs	6
4	Dosing adjustments in diseased persons	6
5	Dosage regimen reviews	6
Total No. of Hours		30 Hours

CHIEF PATRON

Dr. Mariazeena Johnson Chancellor, SIST

Dr. Marie Johnson President, SIST

Mr. J. Arul Selvan Vice-President, SIST

Mrs. Maria Bernadette Tamilarasi Vice-president, SIST

Ms. Maria Catherine Jayapriya Vice-president, SIST



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SCHOOL OF PHARMACY

VALUE ADDED COURSES

Course Name: **Role of Pharmacist in Health Care**

Dates: **21.03.2023 to 16.04.2023**



CONVENOR

Dr. P. Shanmugapandiyan Dean, School of Pharmacy.

COORDINATOR

Dr. S. Arun Kumar., Associate Professor, School of Pharmacy.

SYLLABUS

Chapter No.	Topic Name	Resource Person	No. of Hours
1	Compounding and dispensing of medications: Pharmacists and patient counseling and advice for the use of common drugs, medication history, Directions to the patients.	Dr. S. Aishwarya Assistant Professor School of Pharmacy, SIST	7 hrs
2	Counseling patients regarding drug therapy : Patient Counseling Guidelines, Pharmacists talking with their patients, Specific counseling on drug therapy should concentrate on three areas; drugs to relieve symptoms, drugs used to prevent diseases	Mrs. S. Monisha Assistant Professor School of Pharmacy, SIST	8 hrs
3	Prescribing pattern of the drugs : prescribing indicators used in this review to measure drug use patterns in health care facilities, rational use of drugs requires that patients receive medications appropriate to their clinical needs,	Mrs. Nandhini. M Assistant Professor School of Pharmacy, SIST	5 hrs
4	Dosing adjustments in diseased persons : Dosing recommendations for a significant portion of real-world patients for whom the drug is prescribed., Dosing adjustment to the CKD patients, Case Studies	Dr. Haja Nazeer Associate Professor BSARCIIST, Crescent School of Pharmacy	5 hrs
5	Dosage regimen reviews : Dosage regimen reviews for the different category drugs like anti bacterials, cardiotonics, anticonvulsants, hypo glycemics, antihypertensive, hormones, and others.	Dr. K. Bharath Kumar Associate Professor, Paavi College of Pharmacy, Salem, Tamil Nadu	5 hrs
Total Hours			30 hrs

Outcomes of the Course:

Upon completion of this program the student will able to

- Know the compounding and dispensing medications
- Understand how to give the Counseling for the patients regarding their drug therapy and any related therapy devices
- Understand the Re-evaluation and adjustment of medicine-related care plans
- Know the Performing drug regimen reviews with patients to discuss their prescribed drugs and explain interactions among drugs

LIST OF THE STUDENTS

S .No.	Registration Number	Student Name
1	42050001	ABDULLA B
2	42050002	D. ABIRAMI
3	42050003	AJAYPENIEL A
4	42050004	A. ANAND
5	42050005	V.ARUN KUMAR
6	42050006	BHARATHI S
7	42050007	S . CAROLIN JOYCE
8	42050008	DHANUSH S
9	42050009	FAZIL.M
10	42050010	GANESH V
11	42050011	M. GOKUL
12	42050012	HARIHARAN J
13	42050013	HARINI K
14	42050014	IRFAAN ABUBAKKAR I
15	42050015	JANANI K
16	42050016	JAYASHREE K
17	42050017	JAYAVARSHINI V S
18	42050018	JOHN WESLEY S
19	42050019	KAMESH R
20	42050020	KANIMOZHI K
21	42050021	KEERTHANA B
22	42050022	KIASUDEEN V S
23	42050023	KISHORE D

24	42050024	LAVANYA R
25	42050025	MADESH KANNA B
26	42050026	MEGAVARTHINI P
27	42050027	MOHAMMED JASHIM. S.J
28	42050028	MOHANAPRIYA G
29	42050029	E. MOHANAPRIYA
30	42050030	MOHANRAJI . K
31	42050031	NAVEEN. A.P
32	42050032	NAVEENKUMAR G
33	42050033	NIVETHA.K
34	42050034	NOORUL AMEEN A
35	42050035	PANIMALAR R
36	42050036	R. PAVITHRA
37	42050037	PRIYANKA P
38	42050038	RANJITHKUMAR G
39	42050039	S.S.M RAVINDR KUMAR
40	42050040	RICHEL POOJA M.R
41	42050041	RITHIKA M
42	42050042	ROSHAN J
43	42050043	SAKTHI M
44	42050044	SAKTHIYA NARAYANAN G
45	42050045	SANTHAANAM S
46	42050046	SHON JNJARAVELIL
47	42050047	SRIRAM M
48	42050048	SURESH S
49	42050049	SWETHA P R
50	42050050	S. THOUFIKA
51	42050052	AFRAA A
52	42050054	AKASH A
53	42050055	ASIFA IRFANA J
54	42050056	BHARATHI DASAN A
55	42050057	DARSEN AARAVIND P I
56	42050060	GOPI ANAND.K
57	42050061	HARI HARAN J
58	42050062	IYAPPAN S
59	42050063	T. HARISH

60	42050064	S .JAI
61	42050065	JAYANTH N
62	42050066	JEEVANANTHAM S
63	42050067	KANCHARLA SAI HARSHA
64	42050068	KARAN G
65	42050069	KEERTHIKA N
66	42050070	KESHAV SRIRAAM D R
67	42050071	KOMARI BHAVANA
68	42050072	MAHA LEKSHMI B.M
69	42050073	MEENAVALLI VIJAYA LAKSHMI
70	42050074	MOLAKALA HARI BABU
71	42050075	NARNI D N V GANGA DURGA
72	42050076	NEHA SIRAJ
73	42050077	PONNAGANTI MANI CHANDRA
74	42050078	RAKSHITHA P
75	42050079	SANTHOSH. B
76	42050080	SATHISH KANNAN.R
77	42050081	SHAGIRA BANU K
78	42050082	SIVAMANI M
79	42050083	SYED IFTIKHAR N
80	42050084	TANUSHREE
81	42050085	THULASIRAM V
82	42050086	VARSHITHA D
83	42050087	VATTURI SIVA SAI BALAJI MANI KARTHIK
84	42050088	VENIKA E P
85	42050089	VIKSHINI.S
86	42050090	VINOTHINI P
87	42050091	S . M .YOGESHWARI
88	42050092	MOHANAPRIYA U
89	42050093	UDHAYA A
90	42050094	ELAVARASAN.M.R
91	42050095	DIVYA BEHERA
92	42050096	RISHI A S
93	42050098	MOHAMED ASHIQ S
94	42050099	YELLAMPALLI DHANUNJAYA RAMI REDDY
95	42050100	KALAIVANI M

96	42106001	JAYAHARINI B
97	42106002	GOMATHI R
98	42106003	SUBRAMANI. S
99	42106004	PAVAN M
100	42106005	KANCHANA. S
101	42106006	SAMINA FATHIMA A H
102	42106007	SAI THARUN SP
103	42106008	NOORA N
104	42106009	M. SHAHID AFRIDI
105	41106001	AASHATH.N
106	41106003	DHUSYANTH
107	41106004	KAMALI
108	41106005	ROOPA R
109	41106006	SYED SABIR PIYA
110	41106007	VIGNESH P
111	41106008	KAVIYA
112	41106009	SANDHIYA

WhatsApp Meet - mini-jfmm-hrx

meet.google.com/mini-jfmm-hrx

What is drug development?

- The entire process of taking a newly discovered compound or drug through regulatory approval to the point of marketing.
- During the development, the new drug or the compound should adhere to high standards in the **conduct, analysis and interpretation of preclinical and clinical studies** for its smooth passage through the regulatory approval phase and eventually to marketing.

4

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33°C Mostly sunny 10:39 AM 8/5/2023

CERTIFICATE



**SATHYABAMA**
INSTITUTE OF SCIENCE AND TECHNOLOGY
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamilnadu, INDIA.
(DEEMED TO BE UNIVERSITY)
Accredited "A" Grade by NAAC 12B Status by UGC Approved by PCI, New Delhi)

 **SCHOOL OF PHARMACY**

This is to certify that

Ms.ROOPA. R

Bearing Register Number 41106005 has successfully completed "*Current Trends in Pharmaceutical Research*" organized by School of Pharmacy, SIST during the year 2022-2023 from 15th February-2023 to 10th March -2023.


Dr. S. Arun Kumar
Coordinator


Dr. P. Shanmugapandiyan
Dean, School of Pharmacy