

**List of Students Undertaking Project Work/ Fieldwork/ Internship for the
Academic Year 2024-25.**

B.Pharmacy 1st Year

S.No.	Reg.No.	Name of the candidate	Project work	Field work	Internship
1	243G1R0001	ALLAMPALLI LAKSHMI RAMYA	X	✓	X
2	243G1R0002	ANDUKURI JESSY STELLA	X	✓	X
3	243G1R0003	APPANA DEVI SRI	X	✓	X
4	243G1R0004	APPARI SIVA HASINI	X	✓	X
5	243G1R0005	BANDARU SIRI VENNELA	X	✓	X
6	243G1R0006	BETHA LAKSHMI	X	✓	X
7	243G1R0007	BOBBILI RISHITHA	X	✓	X
8	243G1R0008	BODA VAMSI KUMAR	X	✓	X
9	243G1R0009	BODHALA YERNI VENKATA LAXMI	X	✓	X
10	243G1R0010	BONTHU KARTHIK	X	✓	X
11	243G1R0011	BONTHU TEJA PRABHAS	X	✓	X
12	243G1R0012	BOYIDI SASI RATNA BHARGAVI	X	✓	X
13	243G1R0013	CHAITALI BHANDARY	X	✓	X
14	243G1R0014	CHALLA H V SIVALAKSHMI	X	✓	X
15	243G1R0015	CHAMAKURI NANDA KISHORE	X	✓	X
16	243G1R0016	CHINTA JAYA VENKATA SATYA SAI LAKSHMI	X	✓	X
17	243G1R0017	CHINTHALAPUDI HEMA TULASI	X	✓	X
18	243G1R0018	DAMMALA DURGA LAVANYA	X	✓	X
19	243G1R0019	DARA ABHISHEK KUMAR	X	✓	X
20	243G1R0020	DASAM SWARNASRI	X	✓	X
21	243G1R0021	DODDI SATYA SRI	X	✓	X
22	243G1R0022	EYYUNNI SANTHOSHI VYSHNAVI	X	✓	X
23	243G1R0023	GIRISH REVU	X	✓	X
24	243G1R0024	GOLLAPALLI HANUMA NAGA RAMA SWAMY	X	✓	X
25	243G1R0025	GUBBALA DURGA KALYANI	X	✓	X

26	243G1R0026	GUBBALA SATYA RAMYA SRI	X	✓	X
27	243G1R0027	HEJJU VENKATA RAMANA	X	✓	X
28	243G1R0028	JAJULA KEEPTHI	X	✓	X
29	243G1R0029	JUVVI VENKATA NAGA SWATHI	X	✓	X
30	243G1R0030	KADARI SATISH KUMAR	X	✓	X
31	243G1R0031	KADIYAPU DURGALALITHA	X	✓	X
32	243G1R0032	KAKI NAVYA SRI LAKSHMI	X	✓	X
33	243G1R0033	KANETI INDIRA	X	✓	X
34	243G1R0034	KARRI DEVI SRI RAJA RAJESWARI	X	✓	X
35	243G1R0035	KAVURI MADHURI	X	✓	X
36	243G1R0036	KODI BHAGYASRI	X	✓	X
37	243G1R0037	KOLLI LIKITHA VEERA VENKATA SAI SRI	X	✓	X
38	243G1R0038	KONETI BHAVITHA	X	✓	X
39	243G1R0039	KOTHURU SRAVANI	X	✓	X
40	243G1R0040	KOTTU SRI PAVANI SANTHOSHINI	X	✓	X
41	243G1R0041	KOVAGANA ROHINI	X	✓	X
42	243G1R0042	KUKKALA GANESH	X	✓	X
43	243G1R0043	KUPARALA ANTHONI RANI	X	✓	X
44	243G1R0044	MACHA HEMANTH	X	✓	X
45	243G1R0045	MANDAPAKA VARALAKSHMI	X	✓	X
46	243G1R0046	MANIMELA SAI NAGA RAMYA SRI	X	✓	X
47	243G1R0047	MANUPATI GREESHMA	X	✓	X
48	243G1R0048	MARADANA SANJANA	X	✓	X
49	243G1R0049	MARUKURTHI VEERA NAGA DURGA SUSMITHA	X	✓	X
50	243G1R0050	MATTA SIRI	X	✓	X
51	243G1R0051	MEDAPATI SRI MAHA LAKSHMI	X	✓	X
52	243G1R0052	MEDISETTI SURESH	X	✓	X
53	243G1R0053	MOHAMMAD MOINUDDIN BASHEER ALI	X	✓	X
54	243G1R0054	MOHAMMAD ZAREENA	X	✓	X
55	243G1R0055	MUPPIDI GANGA BHAVANI	X	✓	X
56	243G1R0056	ABHIRUP MISHRA	X	✓	X
57	243G1R0057	AYAN DEY	X	✓	X

58	243G1R0058	CHITTIMOJU V V SRI SAI LAKSHMI NARAYANA	X	X	X
59	243G1R0059	DISHA BASAK	X	✓	X
60	243G1R0060	MAMIDISETTI VIJAYA NAGA VINODHINI	X	✓	X
61	243G1R0061	NAGADEVARA APARNA LAKSHMI	X	✓	X
62	243G1R0062	NALLI HIMABINDU	X	✓	X
63	243G1R0063	NAMA ADI LAKSHMI	X	✓	X
64	243G1R0064	PECHETTI REKHA RANI	X	✓	X
65	243G1R0065	PEDAPUDI HARSHINI	X	✓	X
66	243G1R0066	PEDDENTI VENKTA KARTHIKEYA	X	X	X
67	243G1R0067	PEDDIREDDY VENKATA PADMAVATHI	X	✓	X
68	243G1R0068	PEKETI GOWTHAMI	X	✓	X
69	243G1R0069	PERABATHULA CHAKRA SOWJANYA	X	✓	X
70	243G1R0070	PERAVALI CHANDRA DURGA	X	✓	X
71	243G1R0071	PERUMALLA RAMYA SRI	X	✓	X
72	243G1R0072	PYLA BHAGYA LAKSHMI	X	✓	X
73	243G1R0073	RACHANA BUNGA	X	✓	X
74	243G1R0074	RASAMSETTI MODHA NAGA GANGA RESHMA	X	✓	X
75	243G1R0075	RAYIPUDI SIREESHA	X	✓	X
76	243G1R0076	SAINAM PRAVALLIKA	X	✓	X
77	243G1R0077	SALA PAVANI SAI	X	✓	X
78	243G1R0078	SALADI JAHNVI DEVI	X	✓	X
79	243G1R0079	SAMARPITA DAS	X	✓	X
80	243G1R0080	SAPPA NOOKA RATNAM	X	✓	X
81	243G1R0081	SAYYAD FARHA SULTHANA	X	✓	X
82	243G1R0082	SODE SAMUEL	X	✓	X
83	243G1R0083	SORNAPUDI MANUSRI	X	✓	X
84	243G1R0084	SOUVIK PATRA	X	✓	X
85	243G1R0085	SURADA MOUNIKA	X	✓	X
86	243G1R0086	SURISETTI CHAITANYA	X	✓	X
87	243G1R0087	SURISETTI KUSUMANJALI	X	✓	X
88	243G1R0088	TADDI RAMBABU	X	✓	X
89	243G1R0089	TAMADA BUELA GRACE	X	✓	X
90	243G1R0090	TANGUDU LIKHITH	X	✓	X

		KUMAR			
91	243G1R0091	TANNETI VARSHINIKA VIDHYA SRI	X	✓	X
92	243G1R0092	THUMMALAPALLI MANMITHA SRI	X	✓	X
93	243G1R0093	THUMPALA THULASI	X	✓	X
94	243G1R0094	KADALI BHARGAVI	X	✓	X
95	243G1R0095	VASUDEVA DAIVA SRINIDHI	X	✓	X
96	243G1R0096	VATTIKUTI DEVI PRADHITHA	X	✓	X
97	243G1R0097	VOLETI RAJESWARI DATTA NAGA CHANDRIKA	X	✓	X
98	243G1R0098	YADALA DURGA NAGA LAKSHMI	X	X	X
99	243G1R0099	YAGANA MONA MALLESWARI DEVI	X	✓	X
100	243G1R00A0	YELISETTI UDAY KIRAN	X	✓	X
101	243G1R00A1	YERIKIREDDY MOUNIKA	X	✓	X
102	243G1R00A2	YAGANTI THANMAYA KEERTHANA	X	✓	X
103	243G1R00A3	AMIT DATTA	X	✓	X
104	243G1R00A4	AVIPSA SARKER	X	✓	X
105	243G1R00A5	DIPA DAS	X	✓	X
106	243G1R00A6	SANA BHATTACHARJEE	X	✓	X
107	243G1R00A7	SRABONI DAS	X	✓	X

BP107P. HUMAN ANATOMY AND PHYSIOLOGY (Practical)

4 Hours/week

Practical physiology is complimentary to the theoretical discussions in physiology. Practicals allow the verification of physiological processes discussed in theory classes through experiments on living tissue, intact animals or normal human beings. This is helpful for developing an insight on the subject.

1. Study of compound microscope.
2. Microscopic study of epithelial and connective tissue
3. Microscopic study of muscular and nervous tissue
4. Identification of axial bones
5. Identification of appendicular bones
6. Introduction to hemocytometry.
7. Enumeration of white blood cell (WBC) count
8. Enumeration of total red blood corpuscles (RBC) count
9. Determination of bleeding time
10. Determination of clotting time
11. Estimation of hemoglobin content
12. Determination of blood group.
13. Determination of erythrocyte sedimentation rate (ESR).
14. Determination of heart rate and pulse rate.
15. Recording of blood pressure.

Recommended Books (Latest Editions)

1. Essentials of Medical Physiology by K. Sembulingam and P. Sembulingam. Jaypee brothers medical publishers, New Delhi.
2. Anatomy and Physiology in Health and Illness by Kathleen J.W. Wilson, Churchill Livingstone, New York
3. Physiological basis of Medical Practice-Best and Tailor. Williams & Wilkins Co,Riverview,MI USA
4. Text book of Medical Physiology- Arthur C.Guyton andJohn.E. Hall. Miamisburg, OH, U.S.A.
5. Principles of Anatomy and Physiology by Tortora Grabowski. Palmetto, GA. U.S.A.



ADITYA PHARMACY COLLEGE

An AUTONOMOUS Institution
Aditya Nagar, ADB Road, Surampalem, Kakinada Dist., A.P.

Program

*B. Pharmacy (Human Anatomy And
physiology)*

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. *Mandapaka. Vavalakshmi.*

with Roll No. *24361R0045* a student of *1st yr. 1st* Semester

in the *B. pharmacy* course during the Academic Year *2024-2025*

No. of Experiments Conducted *15*

No. of Experiments Completed *15*

[Signature]
Faculty incharge

[Signature]
Principal

Submitted for the practical examination held on *20/04/25*

*Aditya Pharmacy College
SURAMPALAM-533 437*

[Signature]
Examiner - I

[Signature]
Examiner - 2



PRINCIPAL
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SURAMPALAM-533 437

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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
1.	8/12/24	Study of Compound Microscope.	1-3	A	
2.	23/12/24	Microscopic study of epithelial tissue and connective tissue.	4-10	A	
3.	30/12/24	Microscopic study of muscular and nervous tissue.	11-13	At	
4.	6/1/25	Identification of Axial Bone.	14-16	At	
5.	6/1/25	Identification of Appendicular Bones.	17-19	At	
6.	20/1/25	Determination of bleeding time.	20-21	A	
7.	27/1/25	Determination of clotting time.	22-23	A	
8.	3/2/25	Determination of human blood group.	24-25	At	
9.	3/3/25	Estimation of Haemoglobin content.	26-28	At	
10.	10/3/25	Introduction of Haemocytometry.	29-31	At	
11.	17/3/25	Estimation of RBC count.	32-34	A	
12.	17/3/25	Estimation of WBC count.	35-38	At	
13.	24/3/25	Determination of heart rate and Pulse rate.	39-40	At	
14.	24/3/25	Recording of my Blood Pressure.	41-43	A	
15.	7/4/25	Determination of Erythrocyte Sedimentation Rate.	44-47	At	



BP108P. PHARMACEUTICAL ANALYSIS (Practical)

4 Hours / Week

- I Limit Test of the following**
 - (1) Chloride
 - (2) Sulphate
 - (3) Iron
 - (4) Arsenic
- II Preparation and standardization of**
 - (1) Sodium hydroxide
 - (2) Sulphuric acid
 - (3) Sodium thiosulfate
 - (4) Potassium permanganate
 - (5) Ceric ammonium sulphate
- III Assay of the following compounds along with Standardization of Titrant**
 - (1) Ammonium chloride by acid base titration
 - (2) Ferrous sulphate by Cerimetry
 - (3) Copper sulphate by Iodometry
 - (4) Calcium gluconate by complexometry
 - (5) Hydrogen peroxide by Permanganometry
 - (6) Sodium benzoate by non-aqueous titration
 - (7) Sodium Chloride by precipitation titration
- IV Determination of Normality by electro-analytical methods**
 - (1) Conductometric titration of strong acid against strong base
 - (2) Conductometric titration of strong acid and weak acid against strong base
 - (3) Potentiometric titration of strong acid against strong base

Recommended Books: (Latest Editions)

- 1. A.H. Beckett & J.B. Stenlake's, Practical Pharmaceutical Chemistry Vol I & II, Stahlone Press of University of London
- 2. A.I. Vogel, Text Book of Quantitative Inorganic analysis
- 3. P. Gundu Rao, Inorganic Pharmaceutical Chemistry
- 4. Bentley and Driver's Textbook of Pharmaceutical Chemistry
- 5. John H. Kennedy, Analytical chemistry principles
- 6. Indian Pharmacopoeia.



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Program

B. Pharmacy

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. Mandapaka. Varalakshmi.

with Roll No. 243 GUR0045 a student of Ist 1st Semester

In the Pharmaceutical analysis-I course during the Academic Year 24-25.

No. of Experiments Conducted

95

No. of Experiments Completed

95

B. Srinivas
Faculty incharge

B. Srinivas
Principal

Submitted for the practical examination held on

26/04/2025

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B. Srinivas
Examiner -1

B. Srinivas
Examiner -2



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II	24/12/24	Introduction of volumetric analysis	3-9		(B) 6/4/25
1.	31/12/24	Calibration of volumetric apparatus	10-12	A+ 9/10	(B) 6/4/25
2.	7/01/25	Preparation and standardization of 0.1M HCl	13-14	A+ 9/10	(B) 6/4/25
3.	07/01/25	Preparation and standardization of 0.1M H ₂ SO ₄	15-16	A+ 9/10	(B) 6/4/25
4.	21/01/25	Preparation and standardization of 0.1M NaOH	17-18	A+ 9/10	(B) 6/4/25
5.	21/01/25	Preparation and standardization of 0.1M KMnO ₄	19-20	A+ 9/10	(B) 6/4/25
6.	22/01/25	Preparation and standardization of 0.1M ceric ammonium sulphate	21-22	A+ 9/10	(B) 6/4/25
7.	22/01/25	Preparation and standardization of 0.1M of Na ₂ S ₂ O ₃	23-24	A+ 9/10	(B) 6/4/25
III	28/1/25	Neutralization titration	25		(B) 6/4/25
8.	28/1/25	Assay of Ammonium chloride by acid-Base titration	26-27	A+ 9/10	(B) 6/4/25
IV	29/1/25	Non-aqueous titrations	28		(B) 6/4/25
9.	29/1/25	Assay of sodium Benzoate	29-31	A+ 9/10	(B) 6/4/25
10.	4/2/25	Oxidation-Reduction titration	32-33		(B) 6/4/25
VI	4/2/25	Permanganometry	34		(B) 6/4/25
10.	4/2/25	Assay of Hydrogen Peroxide	35-36	A+ 9/10	(B) 6/4/25
VII	5/2/25	Cerimetry	37		(B) 6/4/25
11.	5/2/25	Assay of ferrous sulphate	38-39	A+ 9/10	(B) 6/4/25
VIII	25/2/25	Iodimetry	40		(B) 6/4/25
12.	25/2/25	Assay of sodium thiosulphate	41-42	A+ 9/10	(B) 6/4/25
IX	26/2/25	Iodometry	43		(B) 6/4/25
13.	26/2/25	Assay of Copper sulphate	44-46	A+ 9/10	(B) 6/4/25



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3	5/3/25	Complexometry	51		(B) 20/10/25
15.	5/3/25	Assay of calcium gluconate	52-54	At 9/10	(B) 20/10/25
16.	11/3/25	Assay of Magnesium sulphate	55-57	At 9/10	(B) 20/10/25
17.	12/3/25	Gravimetric analysis	58		(B) 20/10/25
17.	12/3/25	Gravimetric estimation of barium as barium sulphate	59-60	At 9/10	(B) 20/10/25
18.	18/3/25	Potentiometric titrations	61		(B) 20/10/25
18.	18/3/25	Potentiometric titrations of strong acid with strong base	62-63	At 9/10	(B) 20/10/25
19.	19/3/25	conductometric Titrations	64		(B) 20/10/25
19.	19/3/25	Calibration of Conductivity meter	65-67	At 9/10	(B) 20/10/25
20.	19/3/25	conductometric titrations of strong acid with strong base	68-69	At 9/10	(B) 20/10/25
21.	25/3/25	Limit Tests	70-71		(B) 20/10/25
21.	25/3/25	limit test for chlorides	72-73	At 8/10	(B) 20/10/25
22.	25/3/25	limit test for sulphates	74-75	At 9/10	(B) 20/10/25
23.	26/3/25	limit test for Iron.	76-77	At 9/10	(B) 20/10/25
24.	26/3/25	limit test for Lead.	78-79	At 9/10	(B) 20/10/25
25.	1/4/25	limit test for Arsenic	80-81		(B) 20/10/25

BP109P. PHARMACEUTICS I (Practical)

3 Hours / week

1. Syrups

- a) Syrup IP'66
- b) Compound syrup of Ferrous Phosphate BPC'68

2. Elixirs

- a) Piperazine citrate elixir
- b) Paracetamol pediatric elixir

3. Linctus

- a) Terpin Hydrate Linctus IP'66
- b) Iodine Throat Paint (Mandles Paint)

4. Solutions

- a) Strong solution of ammonium acetate
- b) Cresol with soap solution
- c) Lugol's solution

5. Suspensions

- a) Calamine lotion
- b) Magnesium Hydroxide mixture
- c) Aluminium Hydroxide gel

6. Emulsions

- a) Turpentine Liniment
- b) Liquid paraffin emulsion

7. Powders and Granules

- a) ORS powder (WHO)
- b) Effervescent granules
- c) Dusting powder
- d) Divided powders

8. Suppositories

- a) Glycero gelatin suppository
- b) Cocoa butter suppository
- c) Zinc Oxide suppository

8. Semisolids

- a) Sulphur ointment
- b) Non staining-iodine ointment with methyl salicylate
- c) Carbopal gel

9. Gargles and Mouthwashes

- a) Iodine gargle
- b) Chlorhexidine mouthwash

Recommended Books: (Latest Editions)



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Program

B. Pharmacy

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. M. Sri Maha Lakshmi

with Roll No. 24361R0051 a student of 1st Semester

in the Pharmaceutics course during the Academic Year 24-25

No. of Experiments Conducted

26

No. of Experiments Completed

24


Faculty incharge


Principal

PRINCIPAL
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SURAMPALEM-533 437

Submitted for the practical examination held on


Examiner -1


Examiner -2



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11.	30/1/25	Magnesium hydroxidemix	29-31		
12.	30/1/25	Aluminium hydroxide gel (or) suspensions	32-33		
*	6/2/25	Emulsions	34-35		
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14.	6/2/25	Turpentine liniment	38-39		
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BP110P. PHARMACEUTICAL INORGANIC CHEMISTRY (Practical)

4 Hours / Week

- I Limit tests for following ions**
 - Limit test for Chlorides and Sulphates
 - Modified limit test for Chlorides and Sulphates
 - Limit test for Iron
 - Limit test for Heavy metals
 - Limit test for Lead
 - Limit test for Arsenic
- II Identification test**
 - Magnesium hydroxide
 - Ferrous sulphate
 - Sodium bicarbonate
 - Calcium gluconate
 - Copper sulphate
- III Test for purity**
 - Swelling power of Bentonite
 - Neutralizing capacity of aluminum hydroxide gel
 - Determination of potassium iodate and iodine in potassium iodide
- IV Preparation of inorganic pharmaceuticals**
 - Boric acid
 - Potash alum
 - Ferrous sulphate

Recommended Books (Latest Editions)

1. A.H. Beckett & J.B. Stenlake's, Practical Pharmaceutical Chemistry Vol I & II, Stahlone Press of University of London, 4th edition.
2. A.I Vogel, Text Book of Quantitative Inorganic analysis
3. P. Gundu Rao, Inorganic Pharmaceutical Chemistry, 3rd Edition
4. M.L Schroff, Inorganic Pharmaceutical Chemistry
5. Bentley and Driver's Textbook of Pharmaceutical Chemistry
6. Anand & Chatwal, Inorganic Pharmaceutical Chemistry
7. Indian Pharmacopoeia



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Program

B. Pharmacy

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. M. Sri Maha Lakshmi

with Roll No. 243GIR0051 a student of 1st Semester

in the Inorganic chemistry course during the Academic Year 2024-25.

No. of Experiments Conducted ☒

No. of Experiments Completed ☒

Faculty incharge

Principal
PRINCIPAL

Aditya Pharmacy College
SURAMPALEM-533 437

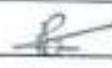
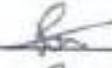
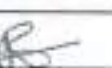
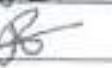
Submitted for the practical examination held on _____

Examiner - 1

Examiner - 2



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1.	30/12/24	Introduction of Inorganic chemistry	1-4		
2.	30/12/24	Preparation of Boric acid	5-6		
3.	4/1/25	Preparation of Potassiumalum	7-8		
4.	18/1/25	Preparation of ferrous sulphate	9-10		
5.	25/1/25	Limit test for chlorides	11-12		
6.	1/2/25	Limit test for sulphates	13-14		
7.	1/2/25	Limit test for Iron	15-16		
8.	8/2/25	Limit test for heavy metals	17-18		
9.	14/2/25	Limit test for lead	19-20		
10.	14/2/25	Limit test for Arsenic	21-22		
11.	15/2/25	Modified limit test for chlorides	23-25		
12.		sulphates using potassium permanganate			
12.	22/2/25	Modified limit test for chloride & sulphates NaHCO_3	26-27		
13.	22/2/25	swelling power of bentonite	28-29		
14.	15/3/25	Neutralization capacity of aluminium hydroxide gel	30-31		
15.	15/3/25	Presence of Iodate in potassium Iodide	32		
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17.	22/3/25	Test for identity of copper sulphate	36-37		
18.	22/3/25	Test for identity of calcium gluconate	38-40		



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ADITYA PHARMACY COLLEGE(A)
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BP111P.COMMUNICATION SKILLS (Practical)

2 Hours / week

The following learning modules are to be conducted using wordsworth® English language lab software

Basic communication covering the following topics

Meeting People

Asking Questions

Making Friends

What did you do?

Do's and Don't's

Pronunciations covering the following topics

Pronunciation (Consonant Sounds)

Pronunciation and Nouns

Pronunciation (Vowel Sounds)

Advanced Learning

Listening Comprehension / Direct and Indirect Speech

Figures of Speech

Effective Communication

Writing Skills

Effective Writing

Interview Handling Skills

E-Mail etiquette

Presentation Skills




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Recommended Books: (Latest Edition)

1. Basic communication skills for Technology, Andreja. J. Ruther Ford, 2nd Edition, Pearson Education, 2011
2. Communication skills, Sanjay Kumar, Pushpalata, 1st Edition, Oxford Press, 2011
3. Organizational Behaviour, Stephen .P. Robbins, 1st Edition, Pearson, 2013
4. Brilliant- Communication skills, Gill Hasson, 1st Edition, Pearson Life, 2011
5. The Ace of Soft Skills: Attitude, Communication and Etiquette for success, Gopala Swamy Ramesh, 5th Edition, Pearson, 2013
6. Developing your influencing skills, Deborah Dalley, Lois Burton, Margaret, Green hall, 1st Edition Universe of Learning LTD, 2010
7. Communication skills for professionals, Konar nira, 2nd Edition, New arrivals – PHI, 2011
8. Personality development and soft skills, Barun K Mitra, 1st Edition, Oxford Press, 2011
9. Soft skill for everyone, Butter Field, 1st Edition, Cengage Learning india pvt.ltd, 2011
10. Soft skills and professional communication, Francis Peters SJ, 1st Edition, Mc Graw Hill Education, 2011
11. Effective communication, John Adair, 4th Edition, Pan Mac Millan, 2009
12. Bringing out the best in people, Aubrey Daniels, 2nd Edition, Mc Graw Hill, 1999




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ADITYA PHARMACY COLLEGE

ADB Road, Surampalem. Kakinada.Dist., (A.P.)

Department of
Communication skills

Name: A. Sri jeharika

PIN No. 233GIR0003

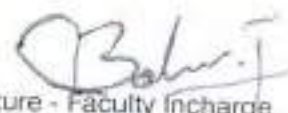
*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. Alli. Sri jeharika

*a student of I. B. pharmacy with Regd. No. 233GIR0003
in the communication skills Laboratory during the year 2023-24*

No. of Experiments Conducted 08

No. of Experiments Attended 8


Signature - Faculty Incharge

Signature-Head of the Department

Submitted for the practical examination held on


Examiner-1




Principal
Examiner-2
ADITYA PHARMACY COLLEGE
SURAMPATEM
PIN 533 437

Pointer

S.No.	Date	Name of the Experiment	Page No.	Remarks
1	14/12/23	Practice - 01 Greetings, Introduction and Taking leave and Making contact	01-09	Bij
2	28/12/23	Practice - 02 Giving information and asking for information	10-16	Bij
3	11/1/24	Practice - 03 Phonetics	17-27	Bij
4	11/1/24	Practice - 04 Group discussion	28-37	Bij
5	15/2/24	Practice - 05 Presentation skills	38-40	Bij
6	29/2/24	Practice - 06 Interview skills	41-44	Bij
7	14/3/24	Practice - 07 Resume writing and Cover letter	45-48	Bij
8	21/3/24	Practice - 08 Email writing	49-50	Bij



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SURAMPALAM-633 437

BP112RBP.REMEDIAL BIOLOGY (Practical)

30 Hours

1. Introduction to experiments in biology
 - a) Study of Microscope
 - b) Section cutting techniques
 - c) Mounting and staining
 - d) Permanent slide preparation
2. Study of cell and its inclusions
3. Study of Stem, Root, Leaf, seed, fruit, flower and their modifications
4. Detailed study of frog by using computer models
5. Microscopic study and identification of tissues pertinent to Stem, Root
Leaf, seed, fruit and flower
6. Identification of bones
7. Determination of blood group
8. Determination of blood pressure
9. Determination of tidal volume

Reference Books

1. Practical human anatomy and physiology. by S.R.Kale and R.R.Kale.
2. A Manual of pharmaceutical biology practical by S.B.Gokhale, C.K.Kokate and S.P.Shriwastava.
3. Biology practical manual according to National core curriculum .Biology forum of Kamataka. Prof .M.J.H.Shafi


ADITYA PHARMALI COLLEGE(A)
SURAMPALEM-333 437



ADITYA PHARMACY COLLEGE

An AUTONOMOUS Institution

Aditya Nagar, ADB Road, Surampalem, Kakinada Dist., A.P.

Program

Remedial Biology

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. *M. V. NAGA VINODHINI*

with Roll No. *24371R0060* a student of *II* Semester

in the *B. PHARM* course during the Academic Year *2024-25*

No. of Experiments Conducted

11

No. of Experiments Completed

10

Faculty incharge

Principal
ADITYA PHARMACY COLLEGE(A)
SURAMPALAM-533 437

Submitted for the practical examination held on

28/04/25

Surampalem
Examiner - I

Examiner - 2

Principal
ADITYA PHARMACY COLLEGE(A)
SURAMPALAM-533 437

INDEX

S.No	Date	Name of the Experiment	Page No.	Marks	Signature
1	20-12-24	Study of Microscope	1-6		}
2	27-12-24	Study of Section cutting, mounting and Staining and slide	7-11		
3	3-01-25	Study of Cell inclusions	12-15		
4	10-01-25	Study of Modification of root	16-18		}
5	24-01-25	Study of Modification of Stem	19-21		
6	31-01-25	Study of Modification of leaves	22-23		
7	21-02-25	Study of Plant tissue	24-26		}
8	5-03-25	Microscope study of transverse section of dicot stem	27-28		
9	12-03-25	Microscope study of transverse section of monocot stem	29-30		
10	29-03-25	Microscope study of transverse section of dicot root	31-32		}
11	26-03-25	Microscope study of transverse section of monocot root	33-35		

BP 207 P. HUMAN ANATOMY AND PHYSIOLOGY (Practical)

4 Hours/week

Practical physiology is complimentary to the theoretical discussions in physiology. Practicals allow the verification of physiological processes discussed in theory classes through experiments on living tissue, intact animals or normal human beings. This is helpful for developing an insight on the subject.

1. To study the integumentary and special senses using specimen, models, etc.,
2. To study the nervous system using specimen, models, etc.,
3. To study the endocrine system using specimen, models, etc
4. To demonstrate the general neurological examination
5. To demonstrate the function of olfactory nerve
6. To examine the different types of taste.
7. To demonstrate the visual acuity
8. To demonstrate the reflex activity
9. Recording of body temperature
10. To demonstrate positive and negative feedback mechanism.
11. Determination of tidal volume and vital capacity.
12. Study of digestive, respiratory, cardiovascular systems, urinary and reproductive systems with the help of models, charts and specimens.
13. Recording of basal mass index
14. Study of family planning devices and pregnancy diagnosis test.
15. Demonstration of total blood count by cell analyser
16. Permanent slides of vital organs and gonads.

Recommended Books (Latest Editions)

1. Essentials of Medical Physiology by K. Sembulingam and P. Sembulingam. Jaypee brothers medical publishers, New Delhi.
2. Anatomy and Physiology in Health and Illness by Kathleen J.W. Wilson, Churchill Livingstone, New York
3. Physiological basis of Medical Practice-Best and Taylor. Williams & Wilkins Co, Riverview, MI USA

4. Text book of Medical Physiology- Arthur C, Guyton and John E. Hall. Miamisburg, OH, U.S.A.
5. Principles of Anatomy and Physiology by Tortora Grabowski, Palmetto, GA, U.S.A.
6. Textbook of Human Histology by Inderbir Singh, Jaypee brothers medical publishers, New Delhi.
7. Textbook of Practical Physiology by C.L. Ghai, Jaypee brothers medical publishers, New Delhi.
8. Practical workbook of Human Physiology by K. Srinageswari and Rajeev Sharma, Jaypee brother's medical publishers, New Delhi.

Reference Books:

1. Physiological basis of Medical Practice-Best and Taylor. Williams & Wilkins Co, Riverview, MI USA
2. Text book of Medical Physiology- Arthur C, Guyton and John E. Hall. Miamisburg, OH, U.S.A.
3. Human Physiology (vol 1 and 2) by Dr. C.C. Chatterje, Academic Publishers Kolkata


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ADITYA PHARMACY COLLEGE

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Aditya Nagar, ADB Road, Surampalem, Kakinada Dist., A.P.

Program

B.Pharmacy

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. P. Harushini

with Roll No. 24261R0065 a student of I-II Semester

in the Human anatomy & physiology course during the Academic Year 2024-2025
-88-II

No. of Experiments Conducted

15

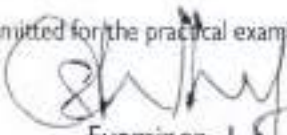
No. of Experiments Completed

15


Faculty incharge


Principal

Submitted for the practical examination held on 22/9/25


Examiner -1


Examiner -2

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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
1.	6/6/25	To Study the Integumentary and special senses using Specimen models	1-6		
2.	13/6/25	To Study the Nervous System using chart models	7-11		
3.	20/6/25	To Study the Endocrine System using specimen models	12-15		
4.	11/7/25	To Demonstrate the functions of olfactory nerve	16-17		
5.	4/7/25	To Examine the different types of taste.	18-19		
6.	11/7/25	To Demonstrate the visual acuity	20-21		
7.	15/7/25	To Demonstrate the Reflex acuity	22-24		
8.	18/7/25	Recording of Body temperature	25-26		
9.	35/7/25	To Demonstrate positive & negative feedback Mechanism	27-29		
10.	1/8/25	Determination of Tidal volume and vital capacity	30-31		
11.	8/8/25	Recording of Basal Metabolic rate	32		
12.	12/8/25	To Study the digestive Respiratory, Cardiovascular Reproductive system with charts.	33-36		
13.	19/8/25	Study of family planning devices and pregnancy diagnosis test.	37-40		

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BP208P. PHARMACEUTICAL ORGANIC CHEMISTRY -I (Practical)

4 Hours / week

1. Systematic qualitative analysis of unknown organic compounds like
 1. Preliminary test: Color, odour, aliphatic/aromatic compounds, saturation and unsaturation, etc.
 2. Detection of elements like Nitrogen, Sulphur and Halogen by Lassaigne's test
 3. Solubility test
 4. Functional group test like Phenols, Amides/ Urea, Carbohydrates, Amines, Carboxylic acids, Aldehydes and Ketones, Alcohols, Esters, Aromatic and Halogenated Hydrocarbons, Nitro compounds and Anilides.
 5. Melting point/Boiling point of organic compounds
 6. Identification of the unknown compound from the literature using melting point/ boiling point.
 7. Preparation of the derivatives and confirmation of the unknown compound by melting point/ boiling point.
 8. Minimum 5 unknown organic compounds to be analysed systematically.
2. Preparation of suitable solid derivatives from organic compounds
3. Construction of molecular models

Recommended Books (Latest Editions)

1. Organic Chemistry by Morrison and Boyd
2. Organic Chemistry by I.L. Finar , Volume-I
3. Textbook of Organic Chemistry by B.S. Bahl & Arun Bahl.
4. Organic Chemistry by P.L.Soni
5. Practical Organic Chemistry by Mann and Saunders.
6. Vogel's text book of Practical Organic Chemistry
7. Advanced Practical organic chemistry by N.K.Vishnoi.
8. Introduction to Organic Laboratory techniques by Pavia, Lampman and Kriz.
9. Reaction and reaction mechanism by Ahluwalia/Chatwal.





ADITYA PHARMACY COLLEGE

An AUTONOMOUS Institution

Aditya Nagar, ADB Road, Surampalem, Kakinada Dist., A.P.

Program

B. Pharmacy

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. *M. Ganga Bhavani*

with Roll No. *80361R0055* a student of *1st B. Pharm 1st Semester*

in the *Ph. organic chemistry-I* course during the Academic Year *2024-25*

No. of Experiments Conducted

16

No. of Experiments Completed

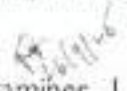
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Faculty Incharge


Principal

ADITYA PHARMACY COLLEGE,
SURAMPALAM-533 437

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Examiner -1


Examiner -2

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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
* 1	5/6/25	Lab safety precautions	1		
* 2	5/6/25	Laboratory rules.	2-3		
* 3	5/6/25	Purification of organic compound.	4-11		
2.	12/6/25	Determination of melting point.	12-14		
3.	26/6/25	Determination of boiling point.	15-17		
* 4.	3/7/25	Systematic procedure for organic compound analysis.	18-30		
4.	3/7/25	Systematic Analysis of unknown organic compound Sample - 01	33-36		
5.	10/7/25	Systematic Analysis of unknown organic compound sample - 02	37-39		
6.	17/7/25	Systematic Analysis of unknown organic compound Sample - 03.	40-43		
7.	17/7/25	Systematic Analysis of unknown organic compound Sample - 04.	44-47		
8.	24/7/25	Systematic Analysis of unknown organic compound Sample - 05.	48-50		
9.	31/7/25	Systematic Analysis of unknown organic compound Sample - 06.	51-53		

Principal
ADITYA PHARMACY COLLEGE(A),
SURABHARAJU-583 437



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10.	21/7/25	Systematic Analysis of unknown organic compound Sample - OT.	54-57		
11.	21/9/25	Preparation of Acetanilide from Aniline.	58		
12.	7/8/25	Preparation of dibenzylidene acetone from benzaldehyde and Acetone.	59-60		
13.	14/8/25	Preparation of picric acid from phenol.	61-62		
15.	21/8/25	Preparation of maldon nitro benzene from nitro benzene.	64-65		
15.	2/8/25	Preparation of benzyloketol from benzaldehyde	66-68		
16.	4/9/25	Preparation of benzoic acid from benzanilide.	63		
17.	11/9/25	Construction of molecular models.	69-72		


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07 Hours

Introduction, properties, nomenclature and IUB classification of enzymes

Enzyme kinetics (Michaelis plot, Line Weaver Burke plot)

Enzyme inhibitors with examples

Regulation of enzymes: enzyme induction and repression, allosteric enzymes regulation

Therapeutic and diagnostic applications of enzymes and isoenzymes

Coenzymes – Structure and biochemical functions

BP 209 P, BIOCHEMISTRY (Practical)

4 Hours / Week

1. Qualitative analysis of carbohydrates (Glucose, Fructose, Lactose, Maltose, Sucrose and starch)
2. Identification tests for Proteins (albumin and Casein)
3. Quantitative analysis of reducing sugars (DNSA method) and Proteins (Biuret method)
4. Qualitative analysis of urine for abnormal constituents
5. Determination of blood creatinine
6. Determination of blood sugar
7. Determination of serum total cholesterol
8. Preparation of buffer solution and measurement of pH
9. Study of enzymatic hydrolysis of starch
10. Determination of Salivary amylase activity
11. Study the effect of Temperature on Salivary amylase activity.
12. Study the effect of substrate concentration on salivary amylase activity.





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An AUTONOMOUS Institution

Aditya Nagar, ADB Road, Surampalem, Kakinada Dist., A.P.

Program

B. pharmacy

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. *Manupati, Gireeshma*

with Roll No. ... *24361RA047* a student of *B. pharmacy-I-II* Semester

in the ... *Bio- Chemistry* course during the Academic Year *2024-2025*

No. of Experiments Conducted

11

No. of Experiments Completed

11

[Signature]
Faculty incharge

[Signature]
Principal

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ADITYA PHARMACY COLLEGE(A)

Submitted for the practical examination held on *23/09/2025*

[Signature]
Examiner -1

[Signature]
Examiner -2



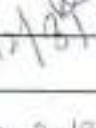
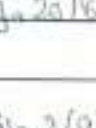
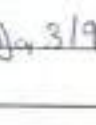
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SURAMPALAM-533 437

INDEX

S.No	Date	Name of the Experiment	Page No.	Marks	Signature
01	03/06/25	Introduction to Carbohydrates	01-02	A	P
		Systemic procedure for qualitative analysis of given carbohydrates sample.	03-04	A	3/6/25
a.	10/06/25	Qualitative Analysis for unknown sample - 1	05-08	A	10/6/25
b.	10/06/25	Qualitative Analysis for unknown sample - 2	09-12	A	10/6/25
c.	17/06/25	Qualitative Analysis for unknown sample - 3	13-16	A	17/6/25
d.	17/06/25	Qualitative Analysis for unknown sample - 4	17-20	A+	17/6/25
e.	24/06/25	Qualitative Analysis for unknown sample - 5	21-23	A	24/6/25
f.	24/06/25	Qualitative Analysis for unknown sample - 6	24-26	A+	24/6/25
02	01/07/25	Systemic procedure for qualitative analysis for given protein sample	27-30	A	1/7/25
a.	01/07/25	Qualitative Analysis for unknown protein sample - 1	31-33	A	1/7/25
b.	08/7/25	Qualitative Analysis for unknown protein sample - 2	34-36	A+	8/7/25
03	15/07/25	Detection of abnormal constituents present in urine sample	37-38	A	15/7/25
a.	15/7/25	Determination of abnormal constituents in sample - A	39-40	A	15/7/25
b.	22/7/25	Determination of abnormal	41-42	A	22/7/25



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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
		Constituents in sample - B			
C.	29/07/25	Determination of abnormal constituents in sample - C	43-44	A	
04.	06/08/25	Estimation of glucose by calorimeter by using DNSA [Dinitrosalicylic Acid]	45-46	A	
05.	06/08/25	Qualitative Determination of Creatine in Serum	47-48	A+	
06.	12/08/25	Qualitative Estimation of cholesterol in Serum.	49-	A	
07.	19/08/25	preparation of buffer solution and measurement of pH.	50-51	A+	
08.	20/08/25	To demonstrate the study of Enzymatic hydrolysis of starch.	52-53	A	
09.	02/09/25	Study the Effect of temperature (or) salivary amylase activity.	54	A	
10.	03/09/25	Study the Effect of the Substrate concentration on salivary amylase activity.	55	A	
11.	09/09/25	Study of Salivary amylase	56-57	A	

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SURAMPALAM 533 437

BP210P. COMPUTER APPLICATIONS IN PHARMACY (Practical)

1. Design a questionnaire using a word processing package to gather information about a particular disease.
2. Create a HTML web page to show personal information.
3. Retrieve the information of a drug and its adverse effects using online tools
4. Creating mailing labels Using Label Wizard , generating label in MS WORD
5. Create a database in MS Access to store the patient information with the required fields Using access
6. Design a form in MS Access to view, add, delete and modify the patient record in the database
7. Generating report and printing the report from patient database
8. Creating invoice table using – MS Access
9. Drug information storage and retrieval using MS Access
10. Creating and working with queries in MS Access
11. Exporting Tables, Queries, Forms and Reports to web pages
12. Exporting Tables, Queries, Forms and Reports to XML pages

Recommended books (Latest edition):

1. Computer Application in Pharmacy – William E.Fassett –Lea and Febiger, 600 South Washington Square, USA, (215) 922-1330.
2. Computer Application in Pharmaceutical Research and Development –Sean Ekins – Wiley-Interscience, A John Willey and Sons, INC., Publication, USA
3. Bioinformatics (Concept, Skills and Applications) – S.C.Rastogi-CBS Publishers and Distributors, 4596/1- A, 11 Darya Gani, New Delhi – 110 002(INDIA)
4. Microsoft office Access - 2003, Application Development Using VBA, SQL Server, DAP and Infopath – Cary N.Prague – Wiley Dreamtech India (P) Ltd., 4435/7, Ansari Road, Daryagani, New Delhi - 110002


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ADITYA PHARMACY COLLEGE

ADB Road, Surampalem. Kakinada. Dist., (A.P.)

Department of
Computer Applications

Name:

PIN No.

2	2	3	9	1	8	0	0	8	1
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*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. *Santanu Mahapatra*

a student of *B-Pharmacy* with Regd. No. *2339180081*

in the *Computer Application* Laboratory during the year *2023-24*

No. of Experiments Conducted

14

No. of Experiments Attended

14

Signature - Faculty incharge

Signature-Head of the Department

Principal
Aditya Pharmacy College
CIP 2001 33582 437

Submitted for the practical examination held on

Examiner-1

Examiner-2

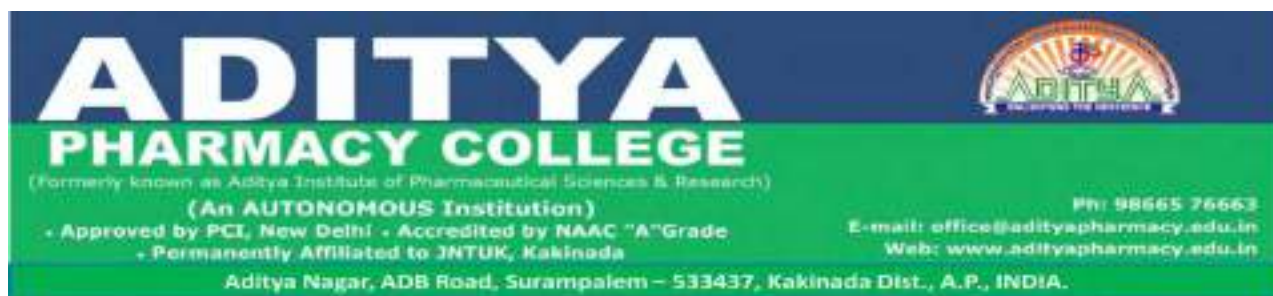
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S.No.	Date	Name of the Experiment	Page No.	Remarks
1.	03/05/24	An Example for Patient Questionnaire.	1-2	✓
2.	10/05/24	Creation of Web Page (Biobank) using HTML.	3-8	✓
3.	17/05/24	Retrieval of drug Information from Internet.	9-10	✓
4.	07/06/24	Mailing Labels in Ms Word.	11-12	✓
5.	14/06/24	Patient Database.	13	✓
6.	21/06/24	Patient Information from in Ms Access.	14-15	✓
7.	28/06/24	Patient Information Reports in Ms Access.	16-17	✓
8.	05/07/24	Invoice Table.	18	✓
9.	19/07/24	Drug Information Storage and Retrieval.	19	✓
10.	26/07/24	Patient Information queries in Ms Access.	20-21	✓

Painter

S.No.	Date	Name of the Experiment	Page No.	Remarks
11.	02/08/24	Explaining Database to Web Page.	22	✓
12.	09/08/24	Exporting Database to XML Pages.	23	✓
13.	09/08/24	Generation of Students Mark List.	24-25	✓
14.	16/08/24	Creating Power Point Presentation.	26-27	✓

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JUMMATHALAH 553 537



List of Students Undertaking Project Work/ Fieldwork/ Internship for the

Academic Year 2024-25.

B. Pharmacy 2nd Year

S.No.	Reg.No.	Name of the candidate	Project work	Field work	Internship
1	233G1R0001	ABU SAHAMA	X	✓	X
2	233G1R0002	AINAPARTHI SYVALINI	X	✓	X
3	233G1R0003	ALLI SRI JEHARIKA	X	✓	X
4	233G1R0004	ANKEM GEETHA VENKATA LAKSHMI	X	✓	X
5	233G1R0005	ATRI SARBADHIKARY	X	✓	X
6	233G1R0006	AVINASH PRASAD	X	✓	X
7	233G1R0007	AYENAMPUDI SRI PRANEETHA	X	✓	X
8	233G1R0008	BALOYI BONGANI B	X	✓	X
9	233G1R0009	BANDI VENKATA LAKSHMI	X	✓	X
10	233G1R0010	BATCHU DEVI SRI CHANDANA	X	✓	X
11	233G1R0011	BEJAWADA SIVA DURGA	X	✓	X
12	233G1R0012	BISABATHINA SUJITH	X	✓	X
13	233G1R0013	BODA NAGA MOHINI	X	✓	X
14	233G1R0015	BONTHU ROHINI	X	✓	X
15	233G1R0016	BONTHU SRIVIDYA	X	✓	X
16	233G1R0017	CHAKANDINAKARA PRIMROSE T	X	✓	X
17	233G1R0018	CHALLA NAGA HARSHIKA	X	✓	X
18	233G1R0020	CHIKUKU PERPETUAL R	X	✓	X
19	233G1R0021	CHINNARI DHANUSHA	X	✓	X
20	233G1R0022	CHINTAPALLI MANIKANTA	X	✓	X
21	233G1R0023	CHIPPADA JYOTHI	X	✓	X
22	233G1R0024	CHOPPELLA SUSHMITHA	X	✓	X
23	233G1R0025	DANDUPROLU CHARMILA	X	✓	X
24	233G1R0026	DEBAYAN GUHARROY	X	✓	X
25	233G1R0027	DESABATHULA ANUSHA	X	✓	X

26	233G1R0028	DURGAPU MEENA LAKSHMI VASAVYA	X	✓	X
27	233G1R0029	GANDHAM ARADHANA PRIYANKA	X	✓	X
28	233G1R0031	GOLLA KEERTHANA	X	✓	X
29	233G1R0032	GOURAB DAS	X	✓	X
30	233G1R0033	GUBBALA LAVANYA	X	✓	X
31	233G1R0034	GUBBALA SRI LALITHA	X	✓	X
32	233G1R0035	GUTU TAFADZWA H	X	✓	X
33	233G1R0036	JAGGAMPUDI AYYAPPA	X	✓	X
34	233G1R0037	JAKKA SATYA SRIDEVI	X	✓	X
35	233G1R0038	JALLI BHEEMESH	X	✓	X
36	233G1R0039	KAKARA ANGEL	X	✓	X
37	233G1R0040	KANDEMIVIRI SHAMMAH R	X	✓	X
38	233G1R0041	KAPA YASWANTH DURGA MUKESH	X	✓	X
39	233G1R0042	KARRI HARIKA	X	✓	X
40	233G1R0043	KATNAM SUMA	X	✓	X
41	233G1R0044	KONDAPALLI JYOTHIKA	X	✓	X
42	233G1R0045	KOPPIREDDY HARIKA SATYA NANDHINI	X	✓	X
43	233G1R0046	KORRA MURALI MOHAN NAYAK	X	✓	X
44	233G1R0047	KORUPURI DURGA KRISHNA VASAVI	X	✓	X
45	233G1R0048	KURUPUDI VENKATA NAGA LAKSHMI	X	✓	X
46	233G1R0049	LODI SAFIYA	X	✓	X
47	233G1R0050	MADINE SATYA ANANTHA LAKSHMI	X	✓	X
48	233G1R0051	MALLA BHAGYA SRI SAI	X	✓	X
49	233G1R0052	mandala venkata divya lova nagalakshmi	X	✓	X
50	233G1R0054	MARISSETTY POOJITHA	X	✓	X
51	233G1R0055	MD KAIF AKHTAR	X	✓	X
52	233G1R0057	MONDEM LOVA BHUVANESWARI	X	✓	X
53	233G1R0058	MORI JNANA PRASANNA	X	✓	X
54	233G1R0059	MOYO ALLAN A	X	✓	X
55	233G1R0060	MUNURU JYOTHSNA	X	✓	X
56	233G1R0061	MUSKAN BANJARE	X	✓	X
57	233G1R0062	HEMMISH MWAIMBODEYI	X	✓	X
58	233G1R0063	NAGIREDDY VARALAKSHMI	X	✓	X
59	233G1R0064	NANIPALLI KUSUMA DEVI	X	✓	X
60	233G1R0065	PAILA POOJITHA	X	✓	X

61	233G1R0066	PANNALA NAGA SURYA VISHNU VASANTA	X	✓	X
62	233G1R0068	PENAGANTI VYSHNAVI	X	✓	X
63	233G1R0069	PENTAPATI SRI MAHALAKSHMI	X	✓	X
64	233G1R0070	PIRLA SUJINI	X	✓	X
65	233G1R0071	POTELA HEMA	X	✓	X
66	233G1R0072	PRAGADAREDDY RANI	X	✓	X
67	233G1R0073	RAUSHAN KUMAR SHAH	X	✓	X
68	233G1R0074	RIMMALAPUDI POOJA SHREE	X	✓	X
69	233G1R0075	ROUTHU KEERTHANA	X	✓	X
70	233G1R0076	RUFANA	X	✓	X
71	233G1R0077	RUPAK ACHARYA	X	✓	X
72	233G1R0078	SAMRAT DEY	X	✓	X
73	233G1R0079	SANA PRASANTHI KUMARI	X	✓	X
74	233G1R0080	SANNI KUMAR	X	✓	X
75	233G1R0081	SANTANU MAHAPATRA	X	✓	X
76	233G1R0082	SARIKA MOHANA SRI HARSHA	X	✓	X
77	233G1R0083	SATYAM KUMAR	X	✓	X
78	233G1R0084	SCOTCH ADMIRE M	X	✓	X
79	233G1R0085	SIDDHARTH NARAYAN	X	✓	X
80	233G1R0086	SINGAMPALLI L V S PRAVALLIKA	X	✓	X
81	233G1R0087	SINGILIDEVI KHYATHI SREE	X	✓	X
82	233G1R0088	SIRAPURAPU DURGA MANJULA	X	✓	X
83	233G1R0089	SOHAIL ANSARI	X	✓	X
84	233G1R0090	SOUMYADIP BEBARTTA	X	✓	X
85	233G1R0091	SUBHAJIT NANDA	X	✓	X
86	233G1R0092	SUDIP BARMAN	X	✓	X
87	233G1R0093	SUMIT MAL	X	✓	X
88	233G1R0094	SUNITI DWIBEDI	X	✓	X
89	233G1R0095	SWARNAB PRADHAN	X	✓	X
90	233G1R0096	TANARAPU JOTSNA	X	✓	X
91	233G1R0097	TANUKU YAMINI SATYA PRIYA	X	✓	X
92	233G1R0098	TIZIRA KARREN E	X	✓	X
93	233G1R0099	TOTAN PAL	X	✓	X
94	233G1R00A0	VADDI VENKATA DURGA RAMA LAKSHMI	X	✓	X
95	233G1R00A1	VADDIPARTHI VENU SAI SUVARNA LAKSHMI	X	✓	X
96	233G1R00A2	VARDHINEEDI YAMINI	X	✓	X

		GANGA			
97	233G1R00A3	VEMAGIRI SANJANA	X	✓	X
98	233G1R00A4	VEMU BALA THAMBI RAJU	X	✓	X
99	233G1R00A5	VENTURI SHANMUKHA PRIYA	X	✓	X
100	233G1R00A6	VIMBAI TENDAI MACHACHAVANGWA	X	✓	X
101	233G1R00A7	POTNURU PREETHI	X	✓	X

BP406P. MEDICINAL CHEMISTRY – I (Practical)

4 Hours/Week

I Preparation of drugs/ intermediates

- 1 1,3-pyrazole
- 2 1,3-oxazole
- 3 Benzimidazole
- 4 Benztriazole
- 5 2,3- diphenyl quinoxaline
- 6 Benzocaine
- 7 Phenytoin
- 8 Phenothiazine
- 9 Barbiturate

II Assay of drugs

- 1 Chlorpromazine
- 2 Phenobarbitone
- 3 Atropine
- 4 Ibuprofen
- 5 Aspirin
- 6 Furosemide

III Determination of Partition coefficient for any two drugs

Recommended Books (Latest Editions)

1. Wilson and Giswold's Organic medicinal and Pharmaceutical Chemistry.
2. Foye's Principles of Medicinal Chemistry.
3. Burger's Medicinal Chemistry, Vol I to IV.
4. Introduction to principles of drug design- Smith and Williams.
5. Remington's Pharmaceutical Sciences.
6. Martindale's extra pharmacopoeia.


ADITYA PHARMACEUTICAL COLLEGE
SURABHATTA 522-134



ADITYA PHARMACY COLLEGE

An AUTONOMOUS Institution

Aditya Nagar, ADB Road, Surampalem, Kakinada Dist., A.P.

Program

B. pharmacy

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. M.V.D.L. Nagalakshmi

with Roll No. 233GIR0052 a student of IV Semester

in the Medicinal chemistry - I course during the Academic Year 2024-25

No. of Experiments Conducted

14

No. of Experiments Completed

11

T. Sai Sankar
Faculty incharge

01/07/25

T. Sai Sankar
Principal

PRINCIPAL
ADITYA PHARMACY COLLEGE(A)
SURAMPALAM-533 437

Submitted for the practical examination held on 15/07/25

T. Sai Sankar
Examiner - I

15/07/2025

T. Sai Sankar
Examiner - 2

15/7/25



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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
01	13/03/25	preparation of Benzotriazole	01-02	A ⁺	Sci
02	20/3/25	preparation of Benzimidazole	03-04	A ⁺	Sci
03	27/3/25	preparation of Benzocaine	05-06	A ⁺	Sci
04	10/4/25	preparation of phenytoin	07-08	A ⁺	Sci
05	17/4/25	preparation of 2,3 Diphenyl Quinoxaline	09-10	A ⁺	Sci
06	01/05/25	preparation of phenothiazine	11-12	B ⁺	Sci
07	08/05/25	preparation of Barbiturate	13-14	B ⁺	Sci
08	15/5/25	Synthesis of 1,3 pyrazole	15-16	A ⁺	Sci
09	05/06/25	Assay of Atropine	17-18	A ⁺	Sci
10	05/06/25	Assay of Ibuprofen	19-20	A ⁺	Sci
11	12/06/25	Assay of Aspirin	21-22	A ⁺	Sci
12	12/06/25	Assay of chlorpromazine	23-24	A ⁺	Sci
13	26/06/25	Assay of Furasemide	25-26	A ⁺	Sci
14	26/06/25	Determination of partition coefficient of cefazolin acid	27-29	A ⁺	Sci



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BP 407P. PHYSICAL PHARMACEUTICS- II (Practical)

3 Hrs/week

1. Determination of particle size, particle size distribution using sieving method
2. Determination of particle size, particle size distribution using Microscopic method
3. Determination of bulk density, true density and porosity
4. Determine the angle of repose and influence of lubricant on angle of repose
5. Determination of viscosity of liquid using Ostwald's viscometer
6. Determination sedimentation volume with effect of different suspending agent
7. Determination sedimentation volume with effect of different concentration of single suspending agent
8. Determination of viscosity of semisolid by using Brookfield viscometer
9. Determination of reaction rate constant first order.
10. Determination of reaction rate constant second order
11. Accelerated stability studies

Recommended Books: (Latest Editions)

1. Physical Pharmacy by Alfred Martin, Sixth edition
2. Experimental pharmaceutics by Eugene, Parott.
3. Tutorial pharmacy by Cooper and Gunn.
4. Stocklosam J. Pharmaceutical calculations, Lea & Febiger, Philadelphia.
5. Liberman H.A, Lachman C., Pharmaceutical Dosage forms, Tablets, Volume-1 to 3, Marcel Dekkar Inc.
6. Liberman H.A, Lachman C, Pharmaceutical dosage forms. Disperse systems, volume 1, 2, 3. Marcel Dekkar Inc.
7. Physical Pharmaceutics by Ramasamy C, and Manavalan R.


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Program

B. Pharmacy

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. *Marisetty Pragitha*

with Roll No. *23361B0054* a student of *IV* Semester

in the *Physical Pharmaceutics-II* course during the Academic Year *2024-25*

No. of Experiments Conducted

12

No. of Experiments Completed

12

K. Pushpak
Faculty incharge

[Signature]
Principal

ADITYA PHARMACY COLLEGE(A)
SURAMPALAM-533 437

Submitted for the practical examination held on *14/07/2025*

[Signature]
Examiner -I

K. Pushpak
Examiner -2



[Signature]
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ADITYA PHARMACY COLLEGE(A)
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INDEX

S.No	Date	Name of the Experiment	Page No.	Marks	Signature
01	10/03/25	Determination of particle size and particle size distribution by using Sieving method	01-04	P (A)	
02	21/03/25	Determination of particle size and particle size distribution in suspension by microscopic method	05-07	P (A)	
03	28/03/25	Estimation of True density of Zinc oxide powder.	08-09	P (A)	
04	28/03/25	Estimation of Bulk density and Percentage porosity.	10-11	P (A)	
05	04/04/25	Effect of Lubricant on flow properties of given granules.	12-13	P (A)	
06	11/04/25	Determination of Viscosity by using Ostwald's viscometer.	14-15	P (A)	
07	09/05/25	Determination of Sedimentation volume of suspension using Single Suspending agent.	16-18	P (A)	



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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
08	16/05/25	Determination of sedimentation volume with effect of different suspending agent.	19-21	✓ 10/10	
09	06/06/25	Determination of reaction rate constant of pseudo first order reaction for acid hydrolysis of esters.	22-24	✓ 10/10	
10	13/06/25	Determination of reaction rate constant of second order reaction of alkaline hydrolysis of ethyl acetate.	25-26	✓ 10/10	
11	20/06/25	Determination of viscosity by Brookfield method.	27-30	✓ 10/10	
12	20/06/25	Accelerated stability testing based on Arrhenius principle.	31-33	✓ 10/10	



BP 408 P.PHARMACOLOGY-I (Practical)

4Hrs/Week

1. Introduction to experimental pharmacology.
2. Commonly used instruments in experimental pharmacology.
3. Study of common laboratory animals.
4. Maintenance of laboratory animals as per CPCSEA guidelines.
5. Common laboratory techniques. Blood withdrawal, serum and plasma separation, anesthetics and euthanasia used for animal studies.
6. Study of different routes of drugs administration in mice/rats.
7. Study of effect of hepatic microsomal enzyme inducers on the phenobarbitone sleeping time in mice.
8. Effect of drugs on ciliary motility of frog oesophagus
9. Effect of drugs on rabbit eye.
10. Effects of skeletal muscle relaxants using rota-rod apparatus.
11. Effect of drugs on locomotor activity using actophotometer.
12. Anticonvulsant effect of drugs by MES and PTZ method.
13. Study of stereotype and anti-catatonic activity of drugs on rats/mice.
14. Study of anxiolytic activity of drugs using rats/mice.
15. Study of local anesthetics by different methods

Note: All laboratory techniques and animal experiments are demonstrated by simulated experiments by softwares and videos

Recommended Books (Latest Editions)

1. Rang H. P., Dale M. M., Ritter J. M., Flower R. J., Rang and Dale's Pharmacology, Churchill Livingstone Elsevier
2. Katzung B. G., Masters S. B., Trevor A. J., Basic and clinical pharmacology, Tata Mc Graw-Hill
3. Goodman and Gilman's, The Pharmacological Basis of Therapeutics
4. Marry Anne K. K., Lloyd Yee Y., Brian K. A., Robbin L.C., Joseph G. B., Wayne A. K., Bradley R.W., Applied Therapeutics, The Clinical use of Drugs, The Point Lippincott Williams & Wilkins
5. Mycek M.J, Gelnet S.B and Perper M.M. Lippincott's Illustrated Reviews- Pharmacology

PROF. CPRE
ADITYA PHARMACY COLLEGE
CHENNAI 600 081



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Aditya Nagar, ADB Road, Surampalem, Kakinada Dist., A.P.

Program

PHARMACOLOGY - I

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. T. Jotsna

with Roll No. 933G1R0096 a student of 2-2 Semester

in the Pharmacology - I course during the Academic Year 2024-25.

No. of Experiments Conducted 15

No. of Experiments Completed 15

Cen
Faculty incharge

CCJ
Principal

PRINCIPAL
ADITYA PHARMACY COLLEGE(A)
SURAMPALEM-533 437

Submitted for the practical examination held on _____

E
Examiner -1

C
Examiner -2



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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
1	19/3/2025	Introduction to experimental pharmacology	1		Clh
2	19/3/2025	Commonly used instruments in experimental pharmacology	2-6		Clh
3	19/3/2025	Study of common laboratory animals	7-13		Clh
4	26/3/2025	Maintenance of laboratory animals as per CPCSEA guidelines	14-18		Clh
5	9/4/2025	Common laboratory techniques	19-23		Clh
6	9/4/2025	Study of different routes of drug administration in mice/ rats	24-28		Clh
7	16/4/2025	Study of effect of hepatic microsomal enzymes inducers on the phenobarbitone sleeping time in mice	29-30		Clh
8	16/4/2025	Effect of drug on ciliary motility of frog oesophagus	31-32		Clh
9	7/5/2025	Effect of various drugs on rabbit eye (Mydriatic and Miotic effect)	33-34		Clh



PRINCIPAL
ADITYA PHARMACY COLLEGE(A)
SURAMPALAM-533 437

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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
10	7/5/2025	Skeletal muscle relaxant property of Diazepam using Rota-rod apparatus	35-36		Clh
11	14/5/2025	Evaluation of CNS depressant activity of Chlorpromazine on locomotor activity of mice using Actophotometer	37-38		Clh
12	4/6/2025	Anticonvulsant effect of drugs by MES and PTZ method	39-42		Clh
13	11/6/2025	Study of Stereotype and Anti-cataleptic activity of drugs on rats / mice	43-44		Clh
14	18/6/2025	Study of Anxiolytic activity of drugs using rats / mice	45-46		Clh
15	25/6/2025	Evaluation of Local anaesthetic activity by different methods	47-48		Clh




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SURAMPalem-533-437

BP409 P. PHARMACOGNOSY AND PHYTOCHEMISTRY I (Practical)

4 Hours/Week

1. Analysis of crude drugs by chemical tests: (i) Tragacanth (ii) Acacia (iii) Agar (iv) Gelatin (v) starch (vi) Honey (vii) Castor oil
2. Determination of stomatal number and index
3. Determination of vein islet number, vein islet termination and palisade ratio.
4. Determination of size of starch grains, calcium oxalate crystals by eye piece micrometer
5. Determination of Fiber length and width
6. Determination of number of starch grains by Lycopodium spore method
7. Determination of Ash value
8. Determination of Extractive values of crude drugs
9. Determination of moisture content of crude drugs
10. Determination of swelling index and foaming

Recommended Books: (Latest Editions)

1. W.C. Evans, Trease and Evans Pharmacognosy, 16th edition, W.B. Saunders & Co., London, 2009.
2. Tyler, V.E., Brady, L.R. and Robbers, J.E., Pharmacognosy, 9th Edn., Lea and Febiger, Philadelphia, 1988.
3. Text Book of Pharmacognosy by T.E. Wallis
4. Mohammad Ali. Pharmacognosy and Phytochemistry, CBS Publishers & Distribution, New Delhi.
5. Text book of Pharmacognosy by C.K. Kokate, Purohit, Gokhale (2007), 37th Edition, Nirali Prakashan, New Delhi.
6. Herbal drug industry by R.D. Choudhary (1996), 1st Edn, Eastern Publisher, New Delhi.
7. Essentials of Pharmacognosy, Dr. S.H. Ansari, 11th edition, Birla publications, New Delhi, 2007
8. Practical Pharmacognosy: C.K. Kokate, Purohit, Gokhale
9. Anatomy of Crude Drugs by M.A. Iyengar

PRINCIPAL
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SUNAMPALM-533 687



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Program

B. pharmacy

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. *Danduprolu Charmila*

with Roll No. *23261R0025* a student of *IV* Semester

Pharmacognosy and
in the *phytochemistry-I* course during the Academic Year *2024-25*

No. of Experiments Conducted 11

No. of Experiments Completed 11

[Signature]
Faculty incharge

[Signature]
Principal
ADITYA PHARMACY COLLEGE(A)
SURAMPALEM-531 437

Submitted for the practical examination held on *16/7/25*

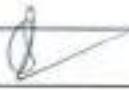
[Signature]
Examiner -I

[Signature]
Examiner -2



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ADITYA PHARMACY COLLEGE(A)
SURAMPALEM-531 437

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1.	10/3/25	Analysis of Crude drugs by Chemical Tests.			
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B.	17/3/25	Chemical Tests for Acacia	4-6		
C.	24/3/25	Chemical Tests for Starch	7-8		
D.	31/3/25	Chemical Tests for Honey	9-11		
E.	4/4/25	Chemical Tests for Agar	12-14		
F.	7/4/25	Chemical Tests for Gelatin	15-16		
G.	11/4/25	Chemical Tests for Castor oil	17		
2.	14/4/25	Determination of Swelling factors	18-19		
3.	18/4/25	Determination of foaming Index	20-21		
4.	21/4/25	Determination of Moisture Content	22-23		
5.	25/4/25	Determination of Total Ash Content	24-25		



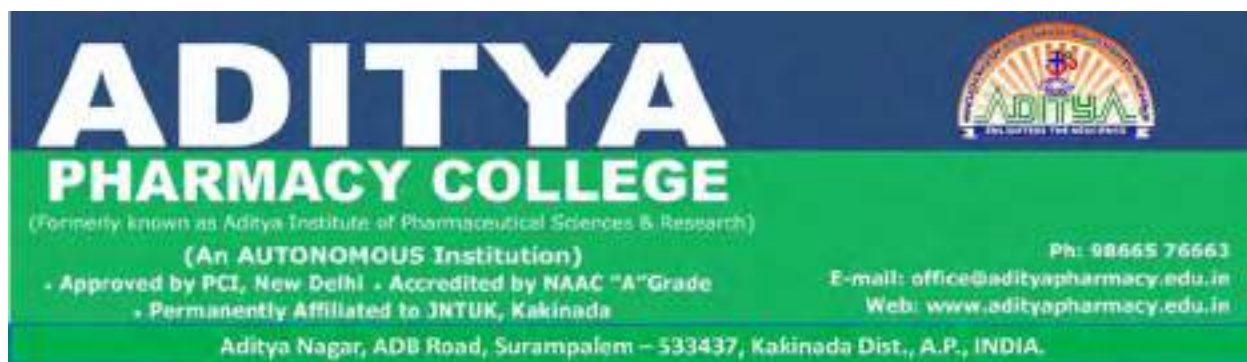
PRINCIPAL
ADITYA PHARMACY COLLEGE(A)
SURAMPALAM-533 437

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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
6.	28/4/25	Determination of Extractive Value of Cude drugs	26-28		
7.	2/5/25	Determination of stomatal Number & stomatal Index of Datura Leaf.	29-31		
8.	5/5/25	Determination of Vein - Islets & Vein - termination numbers of Datura leaf	32-33		
9.	12/5/25	Determination of size of starch Grains by Using Eye piece micrometer	34-36		
10.	2/6/25	Determination of Length & width of Cinchona fibres	37-39		
11.	9/6/25	Determination of Number of starch grains by Lycopodium spore method.	40-42		

ADITYA PHARMACY COLLEGE
SURAMPALAM
533 437

PRINCIPAL
 ADITYA PHARMACY COLLEGE(A)



**List of Students Undertaking Project Work/ Fieldwork/ Internship for the
Academic Year 2024-25.**

B. Pharmacy 3rd Year

S.No.	Reg.No.	Name of the candidate	Project work	Field work	Internship
1.	223G1R0001	ABHISHEK KUMAR SINGH	X	✓	X
2.	223G1R0003	AMBATI JAHNAVI KEERTHI	X	✓	X
3.	223G1R0004	ANAPARTHI MOURYA SARAN RAJA	X	✓	X
4.	223G1R0005	ANSHU MISHRA	X	✓	X
5.	223G1R0006	ASTHA SINGH	X	✓	X
6.	223G1R0007	ATANU BAG	X	✓	X
7.	223G1R0008	BACHALA DIVYA PRASANNA	X	✓	X
8.	223G1R0009	BALUSU V S S RADHIKA KIRANMAYEE CHOWDARY	X	✓	X
9.	223G1R0010	BANDARU SATYA SAI MALLESWARI	X	✓	X
10.	223G1R0011	BATTULA SUNI SRI	X	✓	X
11.	223G1R0012	BODDA YASASWINI	X	✓	X
12.	223G1R0013	BOKKA NOHITHA SATYA	X	✓	X
13.	223G1R0014	CHALLAPALLI VENKATA PAVAN	X	✓	X
14.	223G1R0015	CHAPPIDI YESSICA BERNICE ANTHONY	X	✓	X
15.	223G1R0016	CHEVVAKULA SAI NAVYA SRI	X	✓	X
16.	223G1R0017	CHITTOJI SUBHA SRI	X	✓	X

17.	223G1R0018	DANDU DEEKSHITHA	X	✓	X
18.	223G1R0020	DASARI SIVA LALITHA	X	✓	X
19.	223G1R0021	DEBESH ROY	X	✓	X
20.	223G1R0022	DEEKSHA SINHA	X	✓	X
21.	223G1R0024	GIDUTHURI CHAITANYA	X	✓	X
22.	223G1R0025	GOBINDO GHORAI	X	✓	X
23.	223G1R0026	GOMPA LALITHADEVI	X	✓	X
24.	223G1R0027	GONTINA NAVYALATHA	X	✓	X
25.	223G1R0028	GOURAV DUTTA	X	✓	X
26.	223G1R0029	GUTHALA PRAMEELA	X	✓	X
27.	223G1R0030	HITESH GUTHULA	X	✓	X
28.	223G1R0032	JUVVALA KASI ANNAPURNA	X	✓	X
29.	223G1R0033	KAMIREDDI LAVANYA	X	✓	X
30.	223G1R0034	KANCHI DEVI	X	✓	X
31.	223G1R0035	KANCHUSTAMBAM SATYA MEHAR LAVANYA	X	✓	X
32.	223G1R0036	KANDIERO KUDZAI	X	✓	X
33.	223G1R0037	KANKATALA SAI DURGA	X	✓	X
34.	223G1R0039	KAPPALA DIVYA	X	✓	X
35.	223G1R0040	KARE PUJITHA	X	✓	X
36.	223G1R0041	KARMOKAR SHEELA	X	✓	X
37.	223G1R0042	KARRI BHIMESWARI BHAVANI	X	✓	X
38.	223G1R0043	KARRI VASANTHI GANGA	X	✓	X
39.	223G1R0044	KODU BHARATHKUMAR	X	✓	X
40.	223G1R0045	KOLLAPU NIKESH VARMA	X	✓	X
41.	223G1R0046	KOLLIMALLA VAISHNAVI	X	✓	X
42.	223G1R0047	KOMMULA LAKSHMI NAGA SRI SAI DHARANI DEVI	X	✓	X
43.	223G1R0048	KONDEPUDI SANTHOSH	X	✓	X
44.	223G1R0049	KOPPIREDDY DATTAKUMARI	X	✓	X
45.	223G1R0050	KOPPISETTI HEMA	X	✓	X

		SURYA LAKSHMI			
46.	223G1R0051	KORUMILLI JAYA DURGA KARTHIKEYA	X	✓	X
47.	223G1R0052	KOTTAKOTA SRI RANGANADHAM	X	✓	X
48.	223G1R0053	KOTTAPALLI PRASANNA	X	✓	X
49.	223G1R0054	KOVVURI MYDHILY TRIDEVI	X	✓	X
50.	223G1R0055	KUDA LOKESH KUMAR	X	✓	X
51.	223G1R0056	KUDUPUDI BHARGAVI SOWMYA	X	✓	X
52.	223G1R0057	KUKKA UMA NAGA SURYA VENKAT	X	✓	X
53.	223G1R0059	MADDIPATI SRI SAI ADITYA	X	✓	X
54.	223G1R0060	MAMIDIPALLI PHANI HARSHITHA	X	✓	X
55.	223G1R0061	MATTA VENKATA BHAVANI PRASAD	X	✓	X
56.	223G1R0062	MEDAPATI ABHINAYA SAI	X	✓	X
57.	223G1R0063	MEDIDI VIJAYALAKSHMI	X	✓	X
58.	223G1R0064	MHISHI KELLY RUTENDO	X	✓	X
59.	223G1R0066	MUTAPE CHANTELLE L	X	✓	X
60.	223G1R0067	MUZANEMBI PRIDE TAKUDZWA	X	✓	X
61.	223G1R0068	NADADHURU SRI SUSMITHA	X	✓	X
62.	223G1R0069	NAGIREDDY GAYATRI SATYA DEVI	X	✓	X
63.	223G1R0070	NALLAMILLI HARIKA SATYA SRI CHANDANA	X	✓	X
64.	223G1R0071	NANDIPATI BHAVYASRI	X	✓	X
65.	223G1R0072	NDACHENGEDZWA SUHAILAH FAITH	X	✓	X
66.	223G1R0073	NHIRA ASHLEY NATSAI	X	✓	X
67.	223G1R0074	NISHA KUMARI	X	✓	X
68.	223G1R0075	NUNNA ISWARYA	X	✓	X
69.	223G1R0076	OM MUKHERJEE	X	✓	X
70.	223G1R0077	PABITRA JANA	X	✓	X
71.	223G1R0078	PALADUGULA	X	✓	X

		LAKSHMI BHAVISHYA			
72.	223G1R0079	PANDI YASWANTH KUMAR	X	✓	X
73.	223G1R0080	PEELA DINESH	X	✓	X
74.	223G1R0081	PERUMALLA ADI LAKSHMI DURGA	X	✓	X
75.	223G1R0082	PITTA CHANDINI	X	✓	X
76.	223G1R0083	POLEPALLI VEERA MADHURI	X	✓	X
77.	223G1R0084	PRATIM MAHAKUL	X	✓	X
78.	223G1R0085	PRATYUSH KUMAR	X	✓	X
79.	223G1R0086	PUTHIKA PRIYA JASMIN	X	✓	X
80.	223G1R0087	RAJANA SARAYU PALLAVI	X	✓	X
81.	223G1R0088	RAMANUJAM PAVANI	X	✓	X
82.	223G1R0089	RAMOJU MARYCHANDINI	X	✓	X
83.	223G1R0090	REHAN FAZAL	X	✓	X
84.	223G1R0091	RITIK KUMAR	X	✓	X
85.	223G1R0092	SABBELLA SATWIKA REDDY	X	✓	X
86.	223G1R0093	SADHANALA SATYA PADMAJA	X	✓	X
87.	223G1R0094	SADHU RAKESH KUMAR	X	✓	X
88.	223G1R0095	SANNAPU AKHILA	X	✓	X
89.	223G1R0096	SARAKULA KEERTHI	X	✓	X
90.	223G1R0097	SARAMPATI VISHNU SURYAKALA	X	✓	X
91.	223G1R0098	SAVARA PRAVEEN KUMAR	X	✓	X
92.	223G1R0099	SAYYAD RAHIMUNNISA	X	✓	X
93.	223G1R00A0	SHAHZADA AFAQ	X	✓	X
94.	223G1R00A1	SHAIK AYESHA	X	✓	X
95.	223G1R00A2	SHAIK HUSUNA	X	✓	X
96.	223G1R00A3	SHAIK MUNNAPH	X	✓	X
97.	223G1R00A4	SOUMAJIT BERA	X	✓	X
98.	223G1R00A5	SOUMIK JANA	X		X
99.	223G1R00A6	SRI SUSRITHA DUNNA	X	✓	X
100	223G1R00A7	SUBHASIS GHOSH	X	✓	X
101	223G1R00A8	TEKI SWATHI REVATHI NAGA LAKSHMI	X	✓	X

102	223G1R00A9	TELAGAREDDI SRIVALLI	X	✓	X
103	223G1R00B0	TELLAM VARSHINI	X	✓	X
104	223G1R00B1	UTLAGARI SHARATH KUMAR	X	✓	X
105	223G1R00B2	VARRI AMBICA TARUNI	X	✓	X
106	223G1R00B3	VENNAPU BLESSYSRI	X	✓	X
107	223G1R00B4	YARRA PALLAVI	X	✓	X
108	223G1R00B5	YEGI SIRISHA	X	✓	X
109	223G1R00B6	YERRAMSETTI GOWTHAM SAI KUMAR	X	✓	X
110	223G1R00B7	CHAGANTI BALA ABHINAYA	X	✓	X
111	233G5R0001	CHELLE AMRUTHA HEPSIBABAI	X	✓	X
112	233G5R0002	KANAKALA SRIDEVI	X	✓	X
113	233G5R0003	KARRI GEETHA DEEPIKA	X	✓	X
114	233G5R0004	PATTAN AHAMMADUNNISA	X	✓	X
115	233G5R0005	TANAKALA SAMPATH	X	✓	X
116	227H1R0015	DURGASI SIREESHA	X	✓	X

BP607P, MEDICINAL CHEMISTRY- III (Practical)

4 Hours / week

I Preparation of drugs and intermediates

- 1 Sulphanilamide
- 2 7-Hydroxy, 4-methyl coumarin
- 3 Chlorobutanol
- 4 Triphenyl imidazole
- 5 Tolbutamide
- 6 Hexamine

II Assay of drugs

- 1 Isonicotinic acid hydrazide
- 2 Chloroquine
- 3 Metronidazole
- 4 Dapsone
- 5 Chlorpheniramine maleate
- 6 Benzyl penicillin

III Preparation of medicinally important compounds or intermediates by Microwave irradiation technique

IV Drawing structures and reactions using chem draw®

V Determination of physicochemical properties such as logP, clogP, MR, Molecular weight, Hydrogen bond donors and acceptors for class of drugs course content using drug design software Drug likeliness screening (Lipinskies RO5)

Recommended Books (Latest Editions)

1. Wilson and Giswold's Organic medicinal and Pharmaceutical Chemistry.
2. Foye's Principles of Medicinal Chemistry.
3. Burger's Medicinal Chemistry, Vol I to IV.
4. Introduction to principles of drug design- Smith and Williams.
5. Remington's Pharmaceutical Sciences.
6. Martindale's extra pharmacopoeia.



ADITYA PHARMACY COLLEGE

An AUTONOMOUS Institution

Aditya Nagar, ADB Road, Surampalem, Kakinada Dist., A.P.

Program

medicinal chemistry - III

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. *K. Vaishnavi*

with Roll No. *22301R0006* a student of *B-2* Semester

in the *B. Pharmacy* course during the Academic Year *2024-25*

No. of Experiments Conducted 15

No. of Experiments Completed 15


Faculty incharge


Principal

Submitted for the practical examination held on *25/04/25*


Examiner - I


Examiner - II



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SURAMPALAM-533 437

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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
1.	23/12/24	Preparation of 2,4,5 Triphenyl Imidazole	01-02	A ⁺	(hp)
2.	30/12/24	Preparation of 7-Hydroxy, 4-methyl coumarin	3-04	A ⁺	(hp)
3.	06/01/25	Preparation of chlorobutanol	05	A ⁺	(hp)
4.	20/01/25	Preparation of Hexamine	06-07	A ⁺	(hp)
5.	27/01/25	Assay of metronidazole	08-09	A ⁺	(hp)
6.	03/2/25	Assay of chlorpheniramine maleate	10-11	A ⁺	(hp)
7.	17/02/25	Microwave assisted synthesis of 7-Hydroxy-4-methyl coumarin	12-13	A ⁺	(hp)
8.	03/3/25	Synthesis of Sulphonamide	14-16	A	(hp)
9.	10/3/25	Synthesis of Tolbutamide	17	A	(hp)
10.	17/3/25	Assay of Isoniazid	18-19	A ⁺	(hp)
11.	24/3/25	Assay of chloroquine phosphate	20-21	A ⁺	(hp)
12.	24/3/25	Synthesis of Benzoic acid	22-23	A ⁺	(hp)
13.	31/3/25	Synthesis of Penicillin	24-25	A ⁺	(hp)



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BP 608 P. PHARMACOLOGY-III (Practical)

4Hrs/Week

1. Dose calculation in pharmacological experiments
2. Antiallergic activity by mast cell stabilization assay
3. Study of anti-ulcer activity of a drug using pylorus ligand (SHAY) rat model and NSAIDS induced ulcer model.
4. Study of effect of drugs on gastrointestinal motility
5. Effect of agonist and antagonists on guinea pig ileum
6. Estimation of serum biochemical parameters by using semi- autoanalyser
7. Effect of saline purgative on frog intestine
8. Insulin hypoglycemic effect in rabbit
9. Test for pyrogens (rabbit method)
10. Determination of acute oral toxicity (LD50) of a drug from a given data
11. Determination of acute skin irritation / corrosion of a test substance
12. Determination of acute eye irritation / corrosion of a test substance
13. Calculation of pharmacokinetic parameters from a given data
14. Biostatistics methods in experimental pharmacology(student's t test, ANOVA)
15. Biostatistics methods in experimental pharmacology (Chi square test, Wilcoxon Signed Rank test)

**Experiments are demonstrated by simulated experiments/videos*

Recommended Books (Latest Editions)

1. Rang H. P., Dale M. M., Ritter J. M., Flower R. J., Rang and Dale's Pharmacology, Churchill Livingstone Elsevier
2. Katzung B. G., Masters S. B., Trevor A. J., Basic and clinical pharmacology, Tata Mc Graw-Hill
3. Goodman and Gilman's, The Pharmacological Basis of Therapeutics
4. Marry Anne K. K., Lloyd Yee Y., Brian K. A., Robbin L.C., Joseph G. B., Wayne A. K., Bradley R.W., Applied Therapeutics, The Clinical use of Drugs. The Point Lippincott Williams & Wilkins
5. Mycek M.J, Gelnet S.B and Perper M.M. Lippincott's Illustrated Reviews- Pharmacology
6. K.D.Tripathi. Essentials of Medical Pharmacology, , JAYPEE Brothers Medical Publishers (P) Ltd, New Delhi.
7. Sharma H. L., Sharma K. K., Principles of Pharmacology, Paras medical publisher
- Modern Pharmacology with clinical Applications, by Charles R.Craig & Robert,
8. Ghosh MN. Fundamentals of Experimental Pharmacology. Hilton & Company, Kolkata,
9. Kulkarni SK. Handbook of experimental pharmacology. VallabhPrakashan,
10. N.Udapa and P.D. Gupta, Concepts in Chronopharmacology.



ADITYA PHARMACY COLLEGE

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Aditya Nagar, ADB Road, Surampalem, Kakinada Dist., A.P.

Program

PHARMACOLOGY - II

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. Telagaxddy. Srivalli

with Roll No. 22361R00A9 a student of 3rd year 2nd Semester

in the B. pharmacy course during the Academic Year 2024-2025

No. of Experiments Conducted

15

No. of Experiments Completed

15

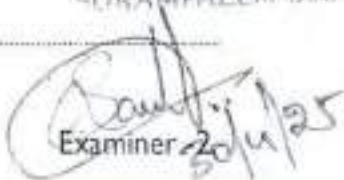

Faculty Incharge


Principal

Aditya Pharmacy College
SURAMPALAM-533 437

Submitted for the practical examination held on

30/04/2025
Examiner - I


Examiner

INDEX

S.No	Date	Name of the Experiment	Page No.	Marks	Signature
1.	20/12/24	Dose calculation in pharmacological experiments	1-4	A+	
2.	20/12/24	Antiallergic activity by mast cell stabilization assay	5-7	A+	
3.	27/12/24	Study of Antiulcer activity of a drug using pylorus ligand SHAY rat model & NSAIDs induced ulcer model	8-11	A+	
4.	31/1/25	Study of effect of drugs on GI motility	12-14	A+	
5.	24/1/25	Effect of agonist and Antagonist on guinea pig ileum	15-18	A+	
6.	31/1/25	Effect of saline purgative on frog intestine	19-22	A+	
7.	21/2/25	Estimation of serum biochemical parameters by using semi auto analyzer	23-26	A+	
8.	28/2/25	Test of pyrogen (Rabbit method)	27-30	A+	

INDEX

S.No	Date	Name of the Experiment	Page No.	Marks	Signature
9.	28/2/25	Insulin hypoglycemic effect on rabbit	31-33	A+	}
10.	7/3/25	determination of acute oral toxicity of a drug from given data	34-36	A+	
11.	12/3/25	determination of acute irritation / corrosion of a test substance	37-40	A+	
12.	12/3/25	determination of acute eye irritation / corrosion of a test substance	41-43	A+	}
13.	21/3/25	calculation of pharmacokinetic parameters from a given data.	44-46	A+	
14.	28/3/25	biostatistics methods in experimental pharmacology (Students t-test, ANOVA)	47-51	A+	}
15.	4/4/25	biostatistical method in Experimental pharmacology (chi square test, wilcoxon signed rank test)	52-57	A+	

BP 609 P. HERBAL DRUG TECHNOLOGY (Practical)

4 hours/ week

1. To perform preliminary phytochemical screening of crude drugs.
2. Determination of the alcohol content of Asava and Arista
3. Evaluation of excipients of natural origin
4. Incorporation of prepared and standardized extract in cosmetic formulations like creams, lotions and shampoos and their evaluation.
5. Incorporation of prepared and standardized extract in formulations like syrups, mixtures and tablets and their evaluation as per Pharmacopoeial requirements.
6. Monograph analysis of herbal drugs from recent Pharmacopoeias
7. Determination of Aldehyde content
8. Determination of Phenol content
9. Determination of total alkaloids

Recommended Books: (Latest Editions)

1. Textbook of Pharmacognosy by Trease & Evans.
2. Textbook of Pharmacognosy by Tyler, Brady & Robber.
3. Pharmacognosy by Kokate, Purohit and Gokhale
4. Essential of Pharmacognosy by Dr.S.H.Ansari
5. Pharmacognosy & Phytochemistry by V.D.Rangari
6. Pharmacopoeal standards for Ayurvedic Formulation (Council of Research in Indian Medicine & Homeopathy)
7. Mukherjee, P.W. Quality Control of Herbal Drugs: An Approach to Evaluation of Botanicals. Business Horizons Publishers, New Delhi, India, 2002.



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Program

Herbal Drug Technology

*Certified that this is the bonafide record of
practical work done by*

Mr./Ms. *K.L.N.S.S. Dharmani Devi*

with Roll No. *2236180047* a student of *B.pharmacy VI* Semester

in the *B.pharmacy* course during the Academic Year *2024-25*.

No. of Experiments Conducted

24

No. of Experiments Completed

22

[Signature]
Faculty incharge

09/04/2025

[Signature]
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SURAMPALEM-533 437

Submitted for the practical examination held on *23/4/25*

[Signature]
Examiner -1

[Signature]
Examiner -2



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S.No	Date	Name of the Experiment	Page No.	Marks	Signature
*	8/1/25	General procedure of preliminary phytochemical screening of Crude drugs	1	A +	
1	8/1/25	Preliminary phytoconstituents Screening of unknown Crude drug Sample-1	10	A +	22/1/25
2	8/1/25	Preliminary phytoconstituents Screening of unknown Crude drug Sample-2	19	A +	22/1/25
3	22/1/25	Evaluation of Excipients of Natural Origin-Agar	27	A +	
4	22/1/25	Evaluation of Natural Excipient - Acacia	30	A +	29/1/25
5	29/1/25	Evaluation of Natural Excipient - starch	32	A +	
6	29/1/25	Evaluation of Natural Excipient - Honey	34	A +	5/2/25
7	5/2/25	Evaluation of Natural Excipient - Benzoin	36	A +	
8	5/2/25	Evaluation of Natural Excipient - Talc	38	A +	12/2/25
9	12/2/25	Evaluation of Natural Excipient - Gelatin	40	A +	
10	12/2/25	Determination of alcohol Content in Aava & Anshla	42	A +	19/2/25
11	19/2/25	Monograph Analysis of Herbal drug from Recent pharmacopoeia - Senna	44	A +	
12	19/2/25	Monograph Analysis of Tugreen from recent pharmacopoeia	48	A +	5/3/25



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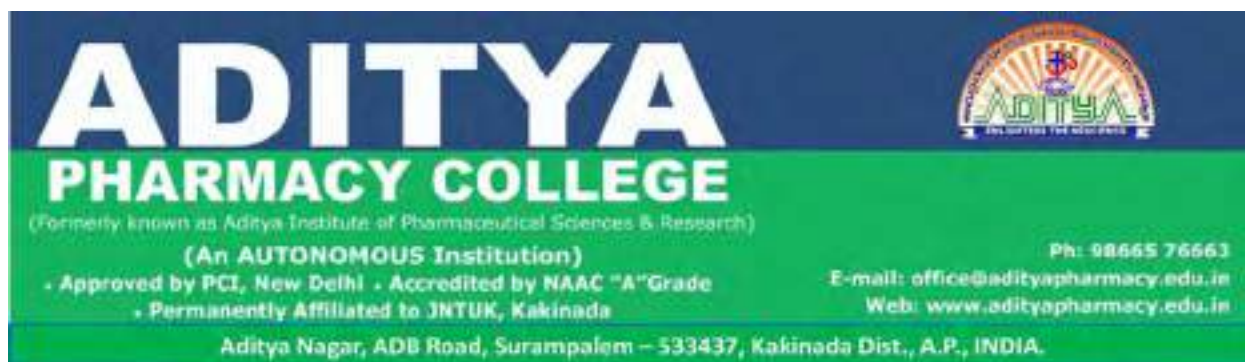
S.No	Date	Name of the Experiment	Page No.	Marks	Signature
13	5/3/25	Monograph Analysis of Gutor Oil - from Recent pharmacopoeia	52	A+	[Signature]
14	5/3/25	Monograph Analysis of Hamidra - from recent pharmacopoeia	54	A+	[Signature] 12/3/25
15	12/3/25	Formulation & Evaluation of Valaka Syrup	57	A+	[Signature] 19/3/25
16	18/3/25	Preparation & Formulation, Evaluation of Cinnamon tablets	60	A+	[Signature]
17	19/3/25	Preparation, Formulation & Evaluation of Senna tablets	62	A+	[Signature]
18	19/3/25	Preparation of Methi shikakaya Shampoo	64	A+	[Signature] 26/3/25
19	26/3/25	Preparation of churna powder	66	A+	[Signature]
20	26/3/25	Preparation & Evaluation of Turmeric topical Cream	69	A+	[Signature] 2/4/25
21	2/4/25	Preparation of Lemon hand Lotion	71	A+	[Signature]
22	2/4/25	Determination of phenol Content in clove oil	73	A+	[Signature] 9/4/25
23	9/4/25	Determination of total alkaloid in Cinchona	74	A+	[Signature]
24	9/4/25	Determination of Aldehyde Content:	76	A+	[Signature] 9/4/25



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Aditya Pharmacy College
Sri Aurore, Tel. 225 8877



**List of Students Undertaking Project Work/ Fieldwork/ Internship for the
Academic Year 2024-25.**

B. Pharmacy 4th Year

S.No.	Reg.No.	Name of the candidate	Project work	Field work	Internship
1.	213G1R0001	ADDALA MAHESH	✓	✓	✓
2.	213G1R0002	AKULA NEELA VENKATA SAI SANDHYA	✓	✓	✓
3.	213G1R0003	AMBATI BHAVYA SAI SRI	✓	✓	✓
4.	213G1R0004	AMBATI CHAKRA JYOTHI	✓	✓	✓
5.	213G1R0006	BANDISURI SAHEEDA BEGAM	✓	✓	✓
6.	213G1R0007	BEEDAM ASHA	✓	✓	✓
7.	213G1R0008	BONDU MOTHER THERESSA	✓	✓	✓
8.	213G1R0009	CHIKATI BALAJI	✓	✓	✓
9.	213G1R0010	CHINNI VEERA VENKATA MALLESWARI	✓	✓	✓
10.	213G1R0011	CHINTA ALEKHYA	✓	✓	✓
11.	213G1R0012	CHINTA JAYA SIVA SWAROOP	✓	✓	✓
12.	213G1R0013	CHIRRA MARGREAT HELEENA	✓	✓	✓
13.	213G1R0014	CHITNEEDI LAKSHMI GEETHIKA	✓	✓	✓
14.	213G1R0015	CHUNDURI HARSHINI	✓	✓	✓
15.	213G1R0016	DODDA LIKHITHA	✓	✓	✓

16.	213G1R0017	DOKKADI KEERTHANA SRUJANI	✓	✓	✓
17.	213G1R0018	GADA VANDANA	✓	✓	✓
18.	213G1R0019	GAMIDI SAI TEJASWINI	✓	✓	✓
19.	213G1R0020	GEDELA AJAY SAI	✓	✓	✓
20.	213G1R0021	GOLLAPALLI CHANDRA SHEKHAR	✓	✓	✓
21.	213G1R0022	GOMPA SANDHYA	✓	✓	✓
22.	213G1R0023	GOPA MEENAKSHI	✓	✓	✓
23.	213G1R0024	GUTTULA BHUVANESWARI	✓	✓	✓
24.	213G1R0025	JALAGADUGULA JAYASREE	✓	✓	✓
25.	213G1R0026	KADALI SWATHI	✓	✓	✓
26.	213G1R0027	KARRI PAVANI SRIVIDYA	✓	✓	✓
27.	213G1R0028	KASA SHANMUKHA	✓	✓	✓
28.	213G1R0029	KINTHADA TEJASWINI	✓	✓	✓
29.	213G1R0030	KONDAPALLI VISHNU MANISANKAR ANJALI KUMAR	✓	✓	✓
30.	213G1R0031	KORAMATI HANSIKA	✓	✓	✓
31.	213G1R0032	KORAMATI HARIKA	✓	✓	✓
32.	213G1R0033	KOTA HEPSIBA	✓	✓	✓
33.	213G1R0034	MADAVARAPU RAMA LAKSHMI	✓	✓	✓
34.	213G1R0035	MADDALA HARI CHANDANA SRI LAVANYA	✓	✓	✓
35.	213G1R0036	MADDURI SIVAMANI	✓	✓	✓
36.	213G1R0037	MAKIREDDI RAJESWARI	✓	✓	✓
37.	213G1R0038	MANCHALA PHANI SRI HARSHITA	✓	✓	✓
38.	213G1R0039	NIKHIL JILLELLA	✓	✓	✓
39.	213G1R0040	PALA SATYANARAYANA RAJU	✓	✓	✓
40.	213G1R0041	ALLAKA CHANDINI	✓	✓	✓
41.	213G1R0042	ANATHBANDHU DE	✓	✓	✓
42.	213G1R0043	ANKUR ACHERJEE	✓	✓	✓
43.	213G1R0044	BINOY DAS	✓	✓	✓
44.	213G1R0045	BIRESWAR DHABAL	✓	✓	✓

45.	213G1R0046	BUGATA SURYA BHAVYESH	✓	✓	✓
46.	213G1R0047	GUTHULA HARITHA	✓	✓	✓
47.	213G1R0048	HITESH RAJ MANDAL	✓	✓	✓
48.	213G1R0049	KARRI LAKSHMI KSHEERAJA	✓	✓	✓
49.	213G1R0050	MAYANK MISHRA	✓	✓	✓
50.	213G1R0051	PAMPANA SNEHALATHA	✓	✓	✓
51.	213G1R0052	PITHANI MONIKA	✓	✓	✓
52.	213G1R0053	PONNADA SUPRIYA	✓	✓	✓
53.	213G1R0054	PUDI HEMANTH KUMAR	✓	✓	✓
54.	213G1R0055	PUTTA SAI SOWMYA	✓	✓	✓
55.	213G1R0056	R V ROHAN REDDY CHINTAPALLI	✓	✓	✓
56.	213G1R0057	RELANGI LALI MUTYA NANDINI	✓	✓	✓
57.	213G1R0059	SAMPATIRAO YASWANTH	✓	✓	✓
58.	213G1R0060	SEELAM SIVAMANI	✓	✓	✓
59.	213G1R0061	SHAIK FAISAL IQBAL	✓	✓	✓
60.	213G1R0062	SIRAM SRIYA AKANKSHA	✓	✓	✓
61.	213G1R0063	SRIPADAM KAVYA SRI	✓	✓	✓
62.	213G1R0064	SUPRIYA KAKI	✓	✓	✓
63.	213G1R0065	SURNI SIRISHA	✓	✓	✓
64.	213G1R0066	TETALA SRI AMRUTHA VARSHINI	✓	✓	✓
65.	213G1R0067	TETALI PRASANNA	✓	✓	✓
66.	213G1R0068	THIRNATI J S R VIJAYADURGA NAGALAKSHMI	✓	✓	✓
67.	213G1R0069	BHOGIREDDI SRI NAGA VENKATA PRATYUSHA	✓	✓	✓
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69.	213G1R0071	DHARANALAKOTA SATYA SYAMALA SRIJA	✓	✓	✓
70.	213G1R0072	EDUBILLI GUNAVANTH	✓	✓	✓
71.	213G1R0073	KOLA GEETHIKA SRI DEVI ISWARYA	✓	✓	✓
72.	213G1R0074	SATHI SUDEEPA REDDY	✓	✓	✓
73.	213G1R0075	YANAMADALA	✓	✓	✓

		PRANEETHA			
74.	213G1R0076	BERAKA SUCHITRA	✓	✓	✓
75.	213G1R0077	MALLIPATI SUMITRA	✓	✓	✓
76.	213G1R0078	NARENDRAVARAPU PHANI SAI RAM	✓	✓	✓
77.	213G1R0079	RAJANA NAMITHA DURGA SAI	✓	✓	✓
78.	213G1R0080	ROUTHU SAI KUMAR	✓	✓	✓
79.	213G1R0081	SINGAMPALLI SAI MOUNIKA	✓	✓	✓
80.	213G1R0082	ULLI LIKHITHA SATISH	✓	✓	✓
81.	213G1R0083	VEERNALA HARINI TEJA SRI	✓	✓	✓
82.	213G1R0084	KOUSHIK SASMAL	✓	✓	✓
83.	213G1R0085	MEGHANA ENIMIREDDY	✓	✓	✓
84.	213G1R0086	PREM KUMAR	✓	✓	✓
85.	213G1R0087	SALADI JAHNAVI NAGA CHAMANTHA	✓	✓	✓
86.	213G1R0088	SANJOY KUNDU	✓	✓	✓
87.	213G1R0089	SATHI RUPA SRI SAI MAHA LAKSHMI	✓	✓	✓
88.	213G1R0090	SHAIK BASHEERUNNISA	✓	✓	✓
89.	213G1R0091	SHIVANI KUMARI	✓	✓	✓
90.	213G1R0092	SUBHA SABDAKAR	✓	✓	✓
91.	213G1R0093	SUBHAM MONDAL	✓	✓	✓
92.	213G1R0094	SUBHAMOY TEWARY	✓	✓	✓
93.	213G1R0095	SUVVANA DEVI	✓	✓	✓
94.	213G1R0096	GOPI NAGA SAI SANDEEP	✓	✓	✓
95.	213G1R0097	PATHIKA HARITHA	✓	✓	✓
96.	213G1R0098	VISWANADUNI UDAY	✓	✓	✓
97.	223G5R0001	MATTE LAKSHMI LAVANYA	✓	✓	✓

Formulation, Evaluation and Computational Analysis of Anti-Inflammatory gel of *Couroupita guianensis*

*Dissertation submitted to the Jawaharlal Nehru Technological University, Kakinada
in partial fulfillment of the requirements for the degree of Bachelor of Pharmacy
(2025)*



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA

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Batch: 2021- 2025

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CERTIFICATE



This is to certify that the dissertation work entitled "**Formulation, Evaluation and Computational analysis of Anti-Inflammatory gel of *Couroupita guianensis***" is submitted to the Jawaharlal Nehru Technological University, Kakinada in partial fulfillment for the award of the degree of Bachelor of Pharmacy in Pharmaceutical Chemistry. This is a Bonafide work carried out by ADDALA MAHESH (Regd. No. 213GIR0001), AKULA NEELA VENKATA SAI SANDHYA (Regd.No.213GIR0002), AMBATI BHAVYA SAI SRI (Regd.No.213GIR0003), ANATHBANDHU DE (Regd.No.213GIR0042) under the guidance and supervision of Ms. T SRI SOWKHYA, M.Pharm., (Ph.D.), Pharmaceutical chemistry, Assistant Professor, Aditya Pharmacy College, Surampalem.

Place: Surampalem

Date:

(Internal Examiner)

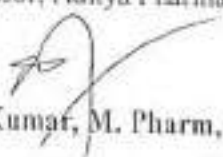
(External Examiner)

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CERTIFICATE



This is to certify that the dissertation work entitled a study on "Formulation, Evaluation and Computational analysis of Anti-Inflammatory gel of *Couroupita guianensis*." submitted in partial fulfillment of the degree in Bachelor of Pharmacy of the Jawaharlal Nehru Technological University, Kakinada for the academic year 2021-2025. The original research work carried out by ADDALA MAHESH (Regd. No. 213G1R0001), AKULA NEELA VENKATA SAI SANDHYA (Regd.No.213G1R0002), AMBATI BHAVYA SAI SRI (Regd.No.213G1R0003), ANATHBANDHU DE (Regd.No.213G1R0042) under the direct guidance and supervision of Ms. T SRI SOWKHYA, M.Pharm.,(Ph.D.) Pharmaceutical chemistry, Assistant Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh.


Dr. D. Sathis Kumar, M. Pharm, Ph.D.

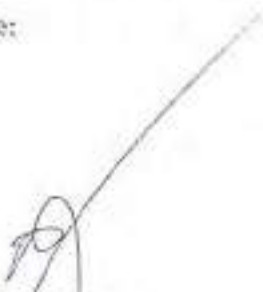
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Department of Pharmaceutical chemistry,

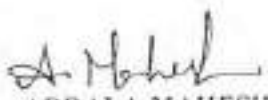
Assistant Professor.


(Ms.T.Sri Sowkhya)

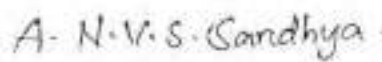

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DECLARATION

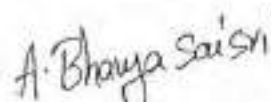
We hereby declare that the dissertation work entitled "Formulation, Evaluation and Computational analysis of Anti-Inflammatory gel of *Couroupita guianensis*." in partial fulfillment of the degree in Bachelor of Pharmacy of the Jawaharlal Nehru Technological University, Kakinada for the academic year 2021-2025, was carried out by us in the library and laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under the valuable and efficient guidance and supervision of Ms.T.SRI SOWKHYA M.Pharm.,(Ph.D.), Pharmaceutical chemistry, Assistant Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh. We also declare that the matter embodied in it is a genuine work.


ADDALA MAHESH

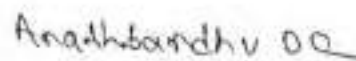
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SUMMARY AND CONCLUSION

Couroupita guianensis, also known as the cannonball tree, is a medicinal plant traditionally used to treat various ailments, including inflammation. The formulation of *Couroupita guianensis* extract can be done using soxhlation process

- Soxhlet extraction : The dried and powdered plant material of *couroupita guianensis* flower is extracted with methanol to obtain the crude extract.
- *Couroupita guianensis* extract is formulated .The anti-inflammatory activity of *Couroupita guianensis* extract can be evaluated to the physical properties of gel formulation and phytochemical screening was done
- In phytochemical analysis of herbal extracts, methanolic flower extract of *C. guianensis* shows the presence of alkaloids, saponins, tannins and flavonoids as shown in Table 6.5 In thin layer chromatography, toluene and ethyl acetate in the ratio of 7:3 was used as mobile phase. Different coloured spots were eluted in the mobile phase and observed in UV chamber.
- In analytical method, the wavelength maxima of methanolic flower extract of *C. guianensis* (10 µg ml.) in pH 7.4 phosphate buffer saline was detected in UV-while spectrophotometer exhibited absorption maxima at 218 nm
- Bioactivity scores by using online tools BIOVIA & DWIPERL.
- The FTIR spectra of the title compounds displayed characteristic absorption bands observed at 3300-3000 cm^{-1} due to alcohols and phenols, 3000-2000 cm^{-1} due to alkanes, 2000-1500 cm^{-1} due to aldehydes, ketones, carboxylic acids or esters, 1500-1000 cm^{-1} due to alcohols, ethers, esters or carboxylic acids.
- The extract shows anti-inflammatory activity

"FORMULATION AND EVALUATION OF OINTMENT LOADED WITH *Syzygium cumini* SEED EXTRACT LIPOSOMES"

*Dissertation submitted to the Jawaharlal Nehru Technological University,
Kakinada in partial fulfillment of the requirements for the degree of Bachelor
of Pharmacy (2025)*



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY,
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2021-2025

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DECLARATION

We hereby declare that the dissertation work entitled "FORMULATION AND EVALUATION OF OINTMENT LOADED WITH *Syzygium cumini* SEED EXTRACT LIPOSOMES" in partial fulfillment of the degree in Bachelor of Pharmacy of the Jawaharlal Nehru Technological University, Kakinada for the academic year 2021-2025, was carried out by us in the library and laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under the valuable and efficient guidance and supervision of Mrs. PUSHPALATHA.KONDAMURI, M. Pharm, (Ph.D) Pharmaceutics, Assistant Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh. We also declare that the matter embodied in it is a genuine work.

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B. Saheeda Begam
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Ankur Acherjee
ANKUR ACHERJEE

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CERTIFICATE



This is to certify that the dissertation entitled "FORMULATION AND EVALUATION OF OINTMENT LOADED WITH *Syzygium cumini* SEED EXTRACT LIPOSOMES" was submitted to the Jawaharlal Nehru Technological University, Kakinada in partial fulfillment of the requirements for the award of the degree of Bachelor of Pharmacy is a record of original research work carried out by AMBATI CHAKRA JYOTHI (213G1R0004), BANDISURI SAHEEDA BEGAM(213G1R0006), BEEDAM.ASHA(213G1R0007), ANKUR ACHERJEE (213G1R0043). Under my supervision and it has not been previously submitted to any other university or academic institution for any higher degree.

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DEPARTMENT OF PHARMACEUTICS,

K. Pushpa Latha

PUSHPALATHA, KONDAMURI

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CERTIFICATE



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Place: Surampalem

Date:

Internal Examiner

External Examiner

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CONCLUSION

The study successfully demonstrated the preparation and evaluation of ointment containing *Syzygium cumini* seed extract liposomes, showcasing the potential of liposomal drug delivery systems for enhancing the patient compliance, reduce the dosing frequency, Improve the transdermal penetration. The liposomal formulation exhibited desirable characteristics such as small particle size, good encapsulation efficiency, and a stable release profile. Additionally, the ointment displayed favourable physical properties, including appropriate pH, viscosity, and spreadability, making it suitable for topical applications.

In conclusion, the formulation of liposomal ointments with *Syzygium cumini* seed extract offers a viable and effective method for delivering the therapeutic benefits of this plant extract, this formulation gave prolonged release of drug and high drug loading and entrapment efficiency

SCOPE OF WORK

Liposomes are versatile, nanoscale lipid vesicles with a wide range of applications in drug delivery. Their unique properties, such as biocompatibility, biodegradability, and the ability to encapsulate both hydrophilic and hydrophobic drugs, have led to significant advancements in targeted, controlled, and effective drug delivery. Liposome complex can be formulated into oral and topical dosage form. However relevant dosage form required for drug release can be selected on the basis on effectiveness and efficiency of phytoconstituents.

These delivery vesicles have the potential to increase the pharmacokinetics and pharmacodynamics of herbal drug molecules, thereby enhancing the therapeutic efficiency of the herbal drugs.


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FORMULATION AND EVALUATION OF POLYHERBAL ANTI-AGING FACE SERUM

Dissertation submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA



In the partial fulfilment of the requirements for the Award of the degree of

BACHELOR OF PHARMACY

BY

BONDU MOTHER THERESSA (213G1R0008)

CHIKATI BALAJI (213G1R0009)

CHINNI MALLESWARI (213G1R0010)

BINOY DAS (213G1R0044)

Under the guidance of

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Associate professor

Department of pharmacology



Aditya pharmacy college, Surampalem, Andhra pradesh, India -533437

Batch: 2021-2025


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DECLARATION

We hereby declare that the dissertation work entitled "FORMULATION AND EVALUATION OF POLYHERBAL ANTI-AGING FACE SERUM" in partial fulfillment of the degree in bachelor of Pharmacy of the JNT University, Kakinada for the academic year 2021-2025, was carried out by us in library and laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under the valuable and efficient guidance and supervision of G.Prasanthi, M.Pharm., (Ph.D), department of Pharmacology, Aditya Pharmacy College, Surampalem, Andhra Pradesh. We also declare that the matter embodied in it is a genuine work.

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CHIKATI BALAJI (213G1R0009) *Ch Balaji*

CHINNI MALLESWARI (213G1R0010) *Ch.v.v. Malleswari*

BINOY DAS (213G1R0044) *Binoj Das*


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Surampalem-533437, E.G. District, Andhra Pradesh

G. Prasanthi, M.Pharm., (Ph.D)

CERTIFICATE BY THE SUPERVISOR

This is to certify that the dissertation work entitled on "FORMULATION AND EVALUATION OF POLYHERBAL ANTI-AGING FACE SERUM" submitted in partial fulfillment of the degree in Bachelor of Pharmacy of the JNT University, Kakinada for the academic year 2021-2025. This is a bonafide work carried out by BONDU MOTHER THERESSA (213G1R0008), CHIKATI BALAJI (213G1R0009), CHINNI MALLESWARI (213G1R0010), BINOY DAS (213G1R0044) under the direct guidance and supervision.

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Date: 25/03/2025

Place: Surampalem

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(Internal examiner)

(External examiner)

CONCLUSION:

The polyherbal face serum developed in this study offers a natural, effective and safe solution for anti-oxidant and anti-inflammatory effects. And gives the good anti-aging effect to the face by reducing the fine lines and wrinkles.

The synergistic blend of herbs provides a comprehensive approach to addressing various skin concerns, making it an attractive option for those seeking for natural and effective skin care solution.

In vitro evaluation of face serum shows the improvement in skin elasticity, and brightness by reducing the fine lines and wrinkles. the serum was also safe to the skin with no side effects.

The results of this study suggest that the polyherbal face serum formulated in this study could be a potential natural and effective solution for anti-aging and skin brightening.

FUTURE SCOPE:

Exploration of new herbal extracts:

Investigate the potential of other herbal extracts, to enhance the efficacy and stability of the serum.

Development of targeted formulation:

Create targeted formulations for specific skin concerns such as acne, hyperpigmentation, and aging using a combination of herbal extracts and other ingredients.

Clinical trials and safety studies:

Conduct stability and shelf-life studies to determine the optimal storage conditions of the polyherbal face serum

Development of sustainable and ecofriendly packaging:

Explore the use of sustainable and ecofriendly packaging such as bio plastics, to reduce the environmental impact of the product.

Investigation of synergistic effect:

Investigates the synergistic effects of combining the herbal extracts with other natural ingredients to enhance the efficacy of the serum.

Development of personalized skin care products:

Use advanced technologies such as AI and machine learning, to develop personalized skin care products tailored to individual skin type.

Development of combination products:

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Develop combination products that integrate the polyherbal face serum with other skin care products, such as moisturizers and sunscreen to provide the comprehensive skin care solution

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FORMULATION OF NIMESULIDE BY USING NATURAL AND SYNTHETIC SUPERDINTEGRANTS

Is a Dissertation Submitted to the



Jawaharlal Nehru Technological University, Kakinada, A.P

in partial fulfillment of the requirements for the degree of

BACHELOR OF PHARMACY (2021-2025) By,

CHINTA ALEKHYA (Regd. No. 213G1R00011)

CHINTA JAYA SIVA SWAROOP (Regd.No.213G1R0012)

CHIRRA MARGREAT HELEENA (Regd.No.213G1R0013)

BIRESWAR DHABAL (Regd.No.213G1R0045)

Under the guidance of

Mrs. VALLABHAREDDY PRASANNA SAI SREE, M.Pharm

Assistant Professor

Department of Pharmaceutics



Aditya Pharmacy College Surampalem-533437

Batch: 2021- 2025


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AUTONOMOUS



DECLARATION

We hereby declare that the dissertation work entitled "Formulation of Nimesulide using natural and synthetic superdisintegrants" in partial fulfillment of the degree in Bachelor of Pharmacy of the JNT University, Kakinada for the academic year 2021-2025, was carried out by us in the library and laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under the valuable and efficient guidance and supervision of Mrs. V. Prasanna Sai Sree M.Pharm., Pharmaceutical chemistry, Assistant Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh. We also declare that the matter embodied in it is a genuine work.

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V. Prasanna Sai Sree
(Mrs. V. Prasanna Sai Sree)


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9. SUMMARY AND CONCLUSION

From the experimental data, it can be concluded that

- The approach of the present study was to make a comparative evaluation of drug release profile between natural super disintegrant (banana flower powder) & synthetic super disintegrant (Crospovidone sodium).
- Super Disintegrant action of banana flower powder (natural) is faster than Crospovidone sodium (synthetic).
- Fast disintegrating tablets of nimesulide were prepared and evaluated. In the present study 4 formulations were prepared. Two formulations with natural super disintegrant and other two formulations with synthetic super disintegrant.
- Standard curve of nimesulide was determined by plotting absorbance V/s concentration at 257 nm and it follows the Beer's law. The R^2 is 0.999 respectively.
- Preformulation studies of Nimesulide were performed, the FT-IR analysis revealed that the natural super disintegrant banana flower powder used was compatible with Nimesulide. The correlation value is 0.095.
- The approach of the present study was to make a comparative evaluation of drug release profile between natural super disintegrant (banana flower powder) & synthetic super disintegrant (Crospovidone sodium).
- Disintegrant action of banana flower powder 25mg (natural) is faster than Crospovidone sodium (synthetic).


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- Fast dissolving tablets of nimesulide were prepared and evaluated. In the present study 4 formulations were prepared. Two formulations with natural super disintegrant and other two formulations with synthetic super disintegrant.
- Standard curve of nimesulide was determined in pH- 7.4 phosphate buffer by plotting absorbance V/s concentration at 257 nm and it follows the Beer's law. The R^2 is 0.999 respectively.
- Angle of repose was less than 25° and Carr's index values were less than 20 for the formulations of all the batches indicating excellent to fair flowability and compressibility. Hausner's ratio was less than 1.256 for all the batches indicating good flow properties. The pre and post compression studies shown that the formulation is suitable for Fast dissolving tablets.
- Nimesulide fast dissolving tablets can be formulated using direct compression technique. The in vitro studies have shown for F4 that this is a potential drug delivery system for nimesulide with considerably good stability and release profile.

**“COMPOSITION OF VALSARTAN LOADED
NIOSOMES WITH ENHANCED BIOAVAILABILITY
AND STABILITY USING NATURAL SURFACTANT.”**

Dissertation submitted to the JNTU-K University in partial
fulfillment of the requirements for the degree of Bachelor of
Pharmacy.

(2021-2025)



Jawaharlal Nehru Technological University, Kakinada, A.P

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DECLARATION

The project embodied in this thesis entitled *"COMPOSITION OF VALSARTAN LOADED NIOSOMES WITH ENHANCED BIOAVAILABILITY AND STABILITY USING NATURAL SURFACTANT"* was carried out in the Department of Pharmaceutics under the guidance of Dr. T. Uday Kumar, M. Pharm, Ph. D, Aditya Pharmacy College, Surampalem. The extent and source of information derived from the existence literature have been indicated throughout thesis of the project work at appropriate places.

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CERTIFICATE BY THE GUIDE



I hereby to declare that this dissertation entitled "*COMPOSITION OF VALSARAN LOADED NIOSOMES WITH ENHANCED BIOAVAILABILITY AND STABILITY USING NATURAL SURFACTANT*" Is an original Research work carried out by CHITNEEDI LAKSHMI GEETHIKA (213G1R0014), CHUNDURI HARSHINI (213G1R0015), DODDA LIKHITHA (213G1R0016), HITESH RAJ MANDAL (213G1R0048) under my supervision in partial fulfillment of the requirement for the degree of Bachelor of Pharmacy.

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CONCLUSION: -

The ultimate goal of formulation of Valsartan loaded noisome is to get optimal treatment with maximal safety. Compared with sustained release formulation immediate Release formulation avoids dose dumping and allows fast onset of action which has advantage of greater convenience and potentially improved compliance. It can be reasonably accomplished by developing tablets using super disintegrant. In this present investigation, an attempt was made to develop an immediate release of Valsartan tablets to treat Hypertension. Standard graph of Valsartan was prepared by using UV Spectrophotometer at 250nm. It has good bioavailability, and this method was used to find concentration of Valsartan from formulation. Dissolution studies were conducted for the sample of valsartan noisome. From data it was found the percentage of super disintegrant affect the release profile. As the amount of super disintegrant increased, drug release was enhanced. Amongst all formulations, formulation prepared by drug showed least disintegrating time, least wetting time, greater water absorption ratio and faster dissolution. Further research emphasis has to be done over in vivo study and in vitro - in vivo correlations.



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PHYTOCHEMICAL CHARACTERIZATION, FORMULATION
AND ASSESSMENT OF ANTIOXIDANT & ANTIMICROBIAL
ACTIVITY OF "*ALLIUM CEPA*" LOTION

A Dissertation Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



Fulfilments of the requirements for the Award of the degree of
BACHELOR OF PHARMACY

By

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GADA VANDANA (213GIR0018)

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MAYANK MISHRA (213GIR0050)

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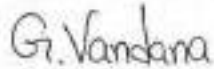
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DECLARATION

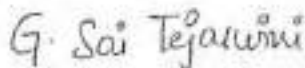
We hereby declare that the dissertation work entitled "FORMULATION AND EVALU- TION OF HERBAL LOTION" in partial Fulfillment of the degree in bachelor of pharmacy of the JNT University, Kakinada for the academic year 2021-2025, was carried out by us in library and laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under the valuable and efficient guidance and supervision of supervision of Dr. G. Sowjanya, B. Pharm, M. Tech (Biotech), Ph.D., Department of Pharmaceutics, Associate Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh. We also declare that the matter embodied in it is a genuine work.



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This is to certify that the dissertation work entitled on "PHYTOCHEMICAL CHARACTERIZATION, FORMULATION AND ASSESSMENT OF ANTIOXIDANT & ANTIMICROBIAL ACTIVITY OF *Allium cepa* LOTION" submitted in partial fulfillment of the degree in Bachelor of Pharmacy of the JNT University, Kakinada for the academic year 2021-2025. This is a Bonafide work carried out by DOKKADI KEERTHANA SRUJANI (213G1R0017), GADA VANDANA (213G1R0018), GAMIDI SAI TEJASWINI (213G1R0019), MAYANK MISHRA (213G1R0050) under direct guidance and supervision of Dr. G. Sowjanya, B. Pharm, M. Tech (Biotech), Ph.D., Department of Pharmaceutics, Associate Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh.

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Summery and conclusions

1. Allium cepa was chosen for this study due to its rich phytochemical profile, economical cost, and easy availability.
2. Allium cepa were collected, peeled, shade dried, powdered and then subjected to solvent extraction
3. The powdered onion was subjected to solvent extraction using ethanol, ethyl acetate, and water, with 1g of onion powder mixed with 50ml of each solvent and refluxed for 2 hours.
4. Ethanol is preferred over ethyl acetate and water for phytochemical extraction due to its superior ability to extract a wide range of bioactive compounds.

Ethanol > Ethyl acetate > Water

5. The analysis of Allium cepa revealed the presence of various phytochemicals, including flavonoids, phenolic acids, and saponins, with a significant amount of quercetin (25.6 mg/g).
6. The final stages of developing the onion lotion involve physicochemical evaluation, stability studies, safety and skin irritation tests, and efficacy testing.
7. A standard curve for gallic acid was established with concentrations ranging from 0-20 µg/ml, showing a corresponding increase in absorbance from 0.000 to 1.228.
8. The sample showed increasing absorbance values (0.00-0.63) corresponding to increasing concentrations (0-10 µg/ml).
9. The hydroalcoholic extracts of Allium cepa exhibited antibacterial activity against E. coli and S. aureus, with zone of inhibition ranging from 10-13 mm for two bacteria at concentrations of 150-200 µg/ml.
10. The sample concentrations of 200, 400, 600, 800, and 1000 µg/mL exhibited percentage inhibitions of 65%, 67%, 70%, 72%, and 73%, respectively, which closely correlated with the standard.

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FORMULATION AND EVALUATION OF POLY HERBAL SOAPS

Dissertation Submitted to the



Jawaharlal Nehru Technological University, Kakinada, A.P

in partial fulfillment of the requirements for the degree of

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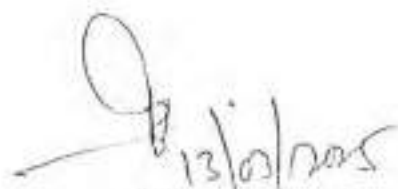
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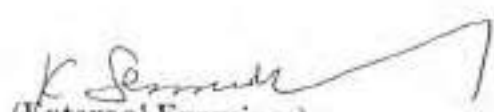
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Place: Surampalem

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CONCLUSION

Poly herbal soap formulations were prepared by using ingredients like turmeric, betle leaf extract, aloe vera extract, chaulmoogra oil, papaya oil, coconut oil. Various evaluation tests were carried out according to the standard procedures. Soap formulations did not cause any irritation to the skin, it was determined by using these soaps on a few volunteers. Formulation (F4) exhibited satisfactory results and were matching the standard marketed product.


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ASSESSMENT OF ANTI-DIABETIC AND ANTI OXIDANT
ACTIVITIES OF THE ETHANOLIC EXTRACT OF
“ANDROGRAPHIS PANICULATA” LEAVES

A Dissertation Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



In the partial fulfilments of the requirements for the Award of the degree
of

BACHELOR OF PHARMACY in PHARMACOGNOSY

by

GUTTULA BHUVANESWARI (213G1R0024)

JALAGADUGULA JAYA SREE (213G1R0025)

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Batch: 2021-2025, PRINCIPAL
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ASSESSMENT OF ANTI-DIABETIC AND ANTI OXIDANT ACTIVITIES OF THE ETHANOLIC EXTRACT OF "ANDROGRAPHIS PANICULATA" LEAVES

A Dissertation Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA



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Department of Pharmacognosy and Phytochemistry



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Approved by AICTE & PCI, Affiliated to JNTUK, Kakinada

Surampalem, Andhra Pradesh, India-533437

Batch: 2021-2025. PRINCIPAL
ADITYA PHARMACY COLLEGE (A)
SURAMPALEM-533 437

DECLARATION

We hereby declare that the dissertation work entitled "ASSESSMENT OF ANTI-DIABETIC ACTIVITY AND ANTI-OXIDANT ACTIVITIES OF THE ETHANOLIC EXTRACT OF *ANDROGRAPHIS PANICULATA* LEAVES" in partial fulfilment of the degree in Bachelor of Pharmacy of the JNTUK for the academic year 2021-2025, was carried out by us in the library and laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under valuable and efficient guidance and supervision of Ms. Gudipudi Tejaswi, M.Pharm, Assistant Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh. We also declare that the matter embodied in it is a genuine work.

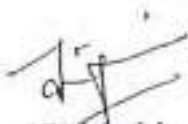
Guttula Bhuvanewsari (213G1R0024), *G. Bhuvanewsari*
Jalagadugula Jaya sree (213G1R0025), *J. Jaya Sree*
Kadali Swathi (213G1R0026), *K. Swathi*
Karri Pavani Srividya (213G1R0027), *K. Pavani Srividya*


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CERTIFICATE



This is to certify that the dissertation work entitled a study on "ASSESSMENT OF ANTI-DIABETIC AND ANTI-OXIDANT ACTIVITIES OF THE ETHANOLIC EXTRACT OF ANDROGRAPHIS PANICULATA LEAVES" submitted in partial of the degree in Bachelor of Pharmacy of the JNTUK for the academic year 2021-2025. This is a bonafide work carried out by G. Bhuvaneswari, J. Jaya sree, K. Swathi, K. Pavani Srividya under my direct guidance and supervision.


Guided by

Ms. Gndipudi Tejaswi, M. Pharm

Assistant Professor

Department of Pharmacognosy and Phytochemistry

Aditya pharmacy college.


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CERTIFICATE



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Dr. SATHIS KUMAR., M.Pharm., Ph.D.

Principal & Professor
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Place: Surampalem

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Place: Surampalem

Date: 25-03-2025

Internal Examiner

External Examiner

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9. CONCLUSION

INVITRO ANTI-DIABETIC ACTIVITY:

The present study demonstrated the anti-diabetic potential of Kalmegh (*Andrographis paniculata*) extract through the Glucose Uptake Assay using Yeast Cells. The extract significantly enhanced glucose absorption, suggesting its ability to help regulate blood sugar levels. The results were comparable to the standard drug metformin, supporting the traditional use of Kalmegh in diabetes management.

These findings indicate that Kalmegh could be a natural alternative for diabetes control, but further studies, including enzyme-based assays and clinical research, are needed to confirm its effectiveness and mechanism of action.

INVITRO ANTI-OXIDANT ACTIVITY:

Based on the experimental findings of Anti-oxidant activity of ethanolic extract of *Andrographis paniculata* leaves, it is evident that the plant may contain some novel compounds that possess potent Anti-oxidant activity.

From above Invitro Anti-oxidant results indicates that our compound in *Andrographis paniculata* has a significant Anti-oxidant which is compared with Ascorbic acid (standard). This Anti-oxidant activity of *Andrographis paniculata* leaves extract was determined by DPPH Assay.



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SURAMPALAM-533 437

**ADVANCING GREEN CHEMISTRY: ECO-CONSCIOUS FTIR METHOD FOR
RAPID ESTIMATION OF VILDAGLIPTIN IN PHARMACEUTICALS.**

Is a Dissertation Submitted to the



Jawaharlal Nehru Technological University, Kakinada, A.P

in partial fulfillment of the requirements for the degree of

BACHELOR OF PHARMACY

By

KASA SHANMUKHA (Regd. No. 213G1R0028)

KINTHADA TEJASWINI (Regd. No. 213G1R0029)

KONDAPALLI V.M.S.ANJALI KUMAR (Regd. No. 213G1R0030)

KORAMATI HANSIKA (Regd. No. 213G1R0031)

Under the guidance of

Dr. D. SathisKumar, M.Pharmacy, Ph.D.,

Professor & Principal



Aditya Pharmacy College

Surampalem – 533 437

2021- 2025


PRINCIPAL
ADITYA PHARMACY COLLEGE
SURAMPALAM, 533 437

DECLARATION

We here by declare that the dissertation work entitled "Advancing Green Chemistry: Eco-Conscious FTIR Method for Rapid Estimation of Vildagliptin in Pharmaceuticals". in partial fulfillment of the degree of Bachelor of Pharmacy of the JNTU Univerasity, Kakinada for the academic year 2021-2025, was carried out by us in the library and laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under the valuable and efficient guidance and supervision of Dr. D.SathisKumar, Professor, Aditya Pharmacy College, Surampalem. We also declared that the matter embodied in it is a genuine work.

KASA SHANMUKHA(Regd. No. 213GIR0028) *K. Shanmukha*

KINTHADA TEJASWINI (Regd. No. 213GIR0029) *K. Tejaswini.*

KONDAPALLI V.M.S.ANJALI KUMAR (Regd. No. 213GIR0030) *K.V.M.S. Anjali Kumar.*

KORAMATI HANSIKA (Regd. No. 213GIR0031) *Hansika.k*

Place: Surampalem

Date: 25/03/2025

[Signature]
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ADITYA PHARMACY COLLEGE

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This is to certify that the dissertation work entitled "Advancing Green Chemistry: Eco-Conscious FTIR Method for Rapid Estimation of Vildagliptin in Pharmaceuticals" is submitted to the Jawaharlal Nehru Technological University, Kakinada in partial fulfillment for the award of the degree of Bachelor of Pharmacy. This is a bonafide work carried out by Kasa Shanmukha (Regd. No. 213G1R0028), Kinthada Tejaswini (Regd. No. 213G1R0029), Kondapalli V.M.S. Anjali Kumar (Regd. No. 213G1R0030), Koramati Hansika (Regd. No. 213G1R0031) under by direct guidance and supervision.

Dr. D. Sathya Kumar
Guide

Place: Surampalem

Date: 7/12/24

ADITYA PHARMACY COLLEGE
SURAMPALAM-533 437



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Dr.D.SathisKumar, M.Pharm., Ph.D.,
Principal & Professor

CERTIFICATE

This is to certify that the dissertation work entitled "Advancing Green Chemistry: Eco-Conscious FTIR Method for Rapid Estimation of Vildagliptin in Pharmaceuticals" is submitted to the JNT University, Kakinada in partial fulfillment for the award of the degree of Bachelor of Pharmacy for the academic year 2021-2025. This is a bonafied work carried out by KasaShanmukha(Regd. No. 213G1R0028), KinthadaTejaswini (Regd. No. 213G1R0029), KondapalliV.M.S.AnjaliKumar (Regd. No. 213G1R0030), KoramatiHansika (Regd. No. 213G1R0031) under the direct guidance and supervision of Dr. D. Sathis Kumar, M.Pharm., Ph.D., Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh,

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7/3/24

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ADITYA PHARMACY COLLEGE
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EVALUATION CERTIFICATE

This is to certify that the dissertation work entitled "Advancing Green Chemistry: Eco-Conscious FTIR Method for Rapid Estimation of Vildagliptin in Pharmaceuticals" is submitted to the Jawaharlal Nehru Technological University, Kakinada in partial fulfillment for the award of the degree of Bachelor of Pharmacy. This is a bonafied work carried out by Kasa Shanmukha (Regd. No. 213G1R0028), Kinthada Tejaswini (Regd. No. 213G1R0029), Kondapalli V.M.S. Anjali Kumar (Regd. No. 213G1R0030), Koramati Hansika (Regd. No. 213G1R0031) under the guidance and supervision of Dr. D. Sathis Kumar, Professor, Aditya Pharmacy College, Surampalem.

Date:

Place:

SIGNATURE OF EVALUATOR 1

SIGNATURE OF EVALUATOR 2

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SURAMPALAM-533 437

SUMMARY AND CONCLUSION

8. SUMMARY

A simple and selective FTIR method is described for the determination of vildagliptin was achieved on the following conditions:

Wavenumber	:	1700 – 1300 cm^{-1}
Average scan	:	16 scans
Resolution	:	4 cm^{-1}
Measurement time	:	Exceeding 20 seconds.
Mode	:	Absorption mode.
Temperature	:	Room temperature.
Concentration	:	3% of vildagliptin in water.

Linearity was observed in the range 1% to 5% for vildagliptin ($r^2 = 0.99$ at both wavenumbers) for the amount of drug estimated by the proposed methods was in good agreement with the label claim.

8.1 CONCLUSION

From the above experimental results and parameters it was concluded that, this newly developed method for the estimation of vildagliptin was found to be eco-friendly, simple, precise, and accurate makes this method more acceptable and cost effective and it can be effectively applied for routine analysis in research institutions, quality control department in meant in industries, approved testing laboratories studies in near future.

ADITYA PHARMACY COLLEGE(A)
SURAMPalem-533 437

FORMULATION AND EVALUATION OF ANTI- INFLAMMATORY CREAM USING *Aegle marmelos*

Dissertation Submitted to the Jawaharlal Nehru Technological University, Kakinada in
partial fulfillment of the requirements for the Degree of Bachelor of pharmacy (2025)



Jawaharlal Nehru Technological University, Kakinada, A.P

SUBMITTED BY

KORAMATI HARIKA (Regd. No. 213G1R0032)

KOTA HEPSIBA (Regd.No.213G1R0033)

MADAVARAPU RAMALAKSHMI (Regd.No.213G1R0034)

MADDALA HARI CHANDANA SRI LAVANYA (Regd.No.213G1R0035)

Under the guidance of

K. SUDHA RANI, M. PHARM

Assistant Professor



ADITYA PHARMACY COLLEGE, SURAMPALEM, ANDHRA PRADESH, (533437)
(2021- 2025)

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DECLARATION

The Project embodied in this thesis entitled "FORMULATION AND EVALUATION OF ANTI-INFLAMMATORY CREAM USING *Aegle marmelos*" was carried out in the Department of Pharmaceutical Analysis under the guidance of Miss K. SUDHA RANI, M.Pharm, Aditya Pharmacy College, Surampalem.

The extent and source of information derived from the existence literature have been indicated throughout thesis of the project work at appropriate places.

K. Harika

KORAMATI HARIKA

(213GIR0032)

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KOTA HEPSIBA

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M. Ramalakshmi

MADAVARAPU RAMALAKSHMI

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M. H. C. S. Lavanya

MADDALA HARI CHANDANA SRI LAVANYA

(213GIR0035)

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CERTIFICATE



This is to certify that the dissertation entitled "FORMULATION AND EVALUATION OF ANTI-INFLAMMATORY CREAM USING *Aegle marmelos*" was submitted to the Jawaharlal Nehru Technological University, Kakinada in partial fulfillment of the requirements for the award of the degree of Bachelor of Pharmacy is a record of original research work carried out by KORAMATI HARIKA (Regd.No.213G1R0032), KOTA HEPSIBA (Regd.No.213G1R0033), MADAVARAPU RAMALAKSHMI (Regd.No.213G1R0034), MADDALA HARI CHANDANA SRI LAVANYA (Regd.No.213G1R0035) Under my supervision and it has not been previously submitted to any other university or academic institution for any higher degree.

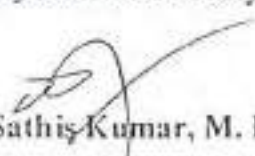
Miss K. SUDHA RANI, M. Pharm,
DEPARTMENT OF PHARMACOLOGY,
ASSISTANT PROFESSOR


(Miss.K.Sudha Rani)
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CERTIFICATE



This is to certify that the dissertation work entitled a study on "FORMULATION AND EVALUATION OF ANTI-INFLAMMATORY CREAM USING *Aegle marmelos*" was submitted to the Jawaharlal Nehru Technological University, Kakinada in partial fulfillment of the requirements for the award of the degree of **Bachelor of Pharmacy** is a record of original research work carried out by KORAMATI HARIKA (Regd.No. 213GIR0032), KOTA HEPSIBA (Regd.No.213GIR0033), MADAVARAPU RAMALAKSHMI (Regd.No.213GIR0034), MADDALA HARI CHANDANA SRI LAVANYA (Regd.No.213GIR0035). They have done this research work under the supervision of MISS K. SUDHA RANI, M.Pharm and it has not been previously submitted to any other university or academic institution for any higher degree.


Dr. D. Sathis Kumar, M. Pharm, Ph.D.

Principal & Professor

Aditya Pharmacy College,

Surampalem-533437.

Place: Surampalem

Date:


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Aditya Pharmacy College
SURAMPALEM-533 437


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SURAMPALEM-533 437

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Place: Surampalem

Date:

Internal examiner

ADITYA PRASAD PRINCIPAL External examiner
SURAMPALAM EST COLLEGE
2021-22

DISCUSSION

The present study aimed to evaluate the anti-inflammatory properties of the ethanolic extract of bael fruit (aegle marmelos) and its topical formulation in the form of a cream. The results obtained from the phytochemical screening, in-vitro anti-inflammatory assays, and cream evaluation provide strong evidence supporting the potential of bael as a natural anti-inflammatory agent.

Phytochemical composition and extraction efficiency: the qualitative phytochemical screening confirmed the presence of flavonoids, alkaloids, tannins, saponins, and other bioactive compounds in the bael extract. These secondary metabolites are well-documented for their anti-inflammatory, antioxidant, and antimicrobial properties. The soxhlet extraction method effectively isolated these compounds, with ethanol proving to be a suitable solvent for maximum yield and bioactive component retention. The presence of flavonoids and tannins is particularly significant, as these compounds are known to inhibit inflammatory mediators and stabilize cell membranes.

In-vitro anti-inflammatory activity: the protein denaturation assay demonstrated that the bael extract effectively inhibits heat induced protein denaturation, a common mechanism in inflammation. The extract's inhibitory potential was found to be dose-dependent, and at higher concentrations, its activity was comparable to standard anti-inflammatory drugs like diclofenac sodium. This suggests that bael extract can modulate protein stability, preventing inflammatory responses.

Similarly, the membrane stabilization assay indicated that the extract effectively reduced hypotonicity-induced hemolysis, preventing red blood cell lysis. This highlights its protective role against cellular damage during inflammation. The ability of bael extract to prevent hemolysis supports its potential in managing inflammatory conditions where cell membrane integrity is compromised.

Formulation and evaluation of bael cream: the formulated bael cream exhibited desirable physicochemical properties, including an optimal pH (5.5–6.5), smooth texture, and good spreadability. The non-greasy nature and good absorption rate suggest its suitability for topical application. Stability studies indicated that the cream retained its consistency and efficacy over different temperature conditions, further proving its robustness as a topical formulation. The irritation test revealed no significant adverse reactions, suggesting that the cream is safe for use on the skin. The spectrophotometric analysis confirmed the presence of active constituents in appropriate concentrations, validating the formulation process and ensuring therapeutic effectiveness.

Comparison with standard treatments: the anti-inflammatory effects of bael extract were comparable to synthetic drugs, emphasizing its potential as a natural alternative with fewer side effects. While synthetic anti-inflammatory drugs such as NSAIDs and corticosteroids provide quick relief, they are often associated with side effects like gastrointestinal irritation and systemic toxicity. In

contrast, herbal formulations like bael cream offer a safer alternative, especially for prolonged use in managing chronic inflammatory conditions.

Limitations and future prospects: although the study successfully demonstrated the anti-inflammatory potential of bael fruit extract and its formulated cream, there are limitations to consider. The study was confined to in-vitro assays, and further in-vivo studies are necessary to evaluate the extract's efficacy in living systems. Additionally, clinical trials should be conducted to assess the cream's effectiveness in human subjects and to determine any potential long-term effects.

Future research should also focus on optimizing the formulation to enhance drug delivery, absorption, and bioavailability. Incorporating advanced nanotechnology-based approaches, such as nano-emulsions or liposomal formulations, could further improve the therapeutic efficacy of bael-based topical products.

CONCLUSION

overall, the findings of this study confirm that bael fruit extract exhibits significant anti-inflammatory activity and can be effectively incorporated into a stable and safe cream formulation. With further research and clinical validation, bael-based formulations hold great promise as natural, effective, and safe alternatives to conventional anti-inflammatory treatments. the present study highlights the significant anti-inflammatory potential of the ethanolic extract of bael fruit (aegle marmelos) and its formulated cream. The bioactive compounds identified in the extract, such as flavonoids, alkaloids, and tannins, contribute to its pharmacological activity. The in-vitro evaluations, including protein denaturation and membrane stabilization assays, confirmed its efficacy in reducing inflammation, comparable to standard anti-inflammatory drugs.

Additionally, the formulated bael cream demonstrated desirable physicochemical properties, including stability, ph balance, spreadability, and skin compatibility, making it a promising candidate for topical anti-inflammatory treatment. The absence of irritation and good absorption further validate its potential as a natural alternative for inflammatory skin conditions.

Future studies should focus on in-vivo evaluations, clinical trials, and advanced formulation techniques to enhance the therapeutic application of bael extract. With further research, bael-based formulations could serve as effective, natural, and accessible treatments for inflammatory disorders.

PRINCIPAL
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SURAMPALAM-533 437

**Synthesis and Computational Evaluation of Triphenyl Imidazole
Derivatives: Docking and ADMET Studies**

Is a Dissertation Submitted to the



Jawaharlal Nehru Technological University, Kakinada, A.P
in partial fulfillment of the requirements for the degree of
BACHELOR OF PHARMACY(2021-2025)

By

MADDURI SIVAMANI (Regd. No. 213G1R0036)

MAKIREDDI RAJESWARI (Regd.No.213G1R0037)

MANCHALA HARSHITHA (Regd.No.213G1R0038)

NIKHIL JILLELLA (Regd.No.213G1R0039)

Under the guidance of

L.PARINAYA SRI, M.Pharm., (Ph.D.)

Assistant Professor

Department of Pharmaceutical Chemistry



Aditya Pharmacy College

Surampalem – 533 437

Batch: 2021-2025


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SURAMPALAM-533 437

DECLARATION

We hereby declare that the dissertation work entitled "Synthesis and Computational Evaluation of Triphenyl Imidazole Derivatives: Docking and ADMET Studies" in partial fulfillment of the degree in Bachelor of Pharmacy of the University, Kakinada for the academic year 2021-2025, was carried out by using the library and laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under the valuable and efficient guidance and supervision of Ms. L. PARINAYA SRI, M.Pharm., (Ph.D.), Pharmaceutical chemistry, Assistant Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh. We also declare that the matter embodied in it is a genuine work.

MADDURI SIVAMANI (Regd.No.213G1R0036)

M. Siva

MAKIREDDI RAJESWARI (Regd.No.213G1R0037)

M. Rajeswari

MANCHALA HARSHITHA (Regd.No.213G1R0038)

M. Harshitha

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Nikhil J

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CERTIFICATE

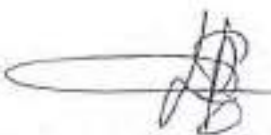


This is to certify that the dissertation work entitled a study on "Synthesis and Computational Evaluation of Triphenyl Imidazole Derivatives: Docking and ADMET Studies" submitted in partial fulfillment of the degree in Bachelor of Pharmacy of the Jawaharlal Nehru Technological University, Kakinada for the academic year 2021-2025. This is a Bonafide work carried out by MADDURI SIVAMANI (Regd. No. 213G1R0036), MAKIREDDI RAJESWARI (Regd.No.213G1R0037), MANCHALA.HARSHITHA(Regd.No.213G1R0038), NIKHIL JILLELLA(Regd.No.213G1R0039) under my direct guidance and supervision.

Ms. L. Parinaya Sri, M.Pharm., (Ph. D)

Department of Pharmaceutical chemistry,

Assistant Professor.

 13/03/2025
Ms. L. PARINAYA SRI, M.Pharm., (Ph.D.)


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This is to certify that the dissertation work entitled a study on "Synthesis and Computational Evaluation of Triphenyl Imidazole Derivatives: Docking and ADMET Studies" submitted in partial fulfillment of the degree in Bachelor of Pharmacy of the Jawaharlal Nehru Technological University, Kakinada for the academic year 2021-2025. The original research work carried out by MADDURI.SIVAMANI(Regd.No.213GIR0036), MAKIREDDI.RAJESWARI(Regd.No.213GIR0037), MANCHALA HARSHITHA(Regd.No.213GIR0038), NIKHIL JILLELLA (Regd.No.213GIR0039) under the direct guidance and supervision of M.S.L.PARINAYASRI,M.Pharm.,(Ph.D.), Pharmaceutical chemistry, Assistant Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh.

Dr. D. Sathis Kumar, M.Pharm., Ph.D.,

Principal & Professor.

Aditya Pharmacy College,

Surampalem-533437.

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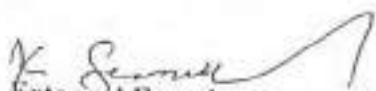
CERTIFICATE



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Place: Surampalem

Date:


External Examiner:


Internal Examiner:


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SUMMARY

2,4,5-Triphenylimidazoles exhibit antibacterial, antifungal, anti-inflammatory, antiviral, antiplatelet, analgesic, antituberculosis, antitumoral, and antidepressant activities. An extensive literature survey was conducted to design a synthetic scheme for various derivatives. Equimolar amounts of benzil (25 mM), benzaldehyde (25 mM), and ammonium acetate (130 mM) were dissolved in 100 mL acetic acid, stirred, and refluxed for 1 hour in an oil bath. The mixture was then cooled to room temperature, recrystallized, and dried.

Equimolar amounts of 2,4,5-triphenylimidazole, triethylamine, cinnamic acid or salicylic acid or para-amino benzoic acid, and H_2SO_4 were individually refluxed for 1 hour. After cooling to room temperature, the obtained 2,4,5-triphenylimidazole derivatives (1a, 1b, and 1c) were collected, recrystallized, and dried.

The IR spectra confirmed the presence of key functional groups in the synthesized derivatives. Compound 1a displayed absorption bands at $1597-1637\text{ cm}^{-1}$ (C=O linkage), $1407-1648\text{ cm}^{-1}$ (C=C functional groups), and Ar-H stretching. Compound 1b exhibited a broad absorption at 3521 cm^{-1} (-OH group), along with bands at $1597-1637\text{ cm}^{-1}$ (C=O linkage), $1407-1648\text{ cm}^{-1}$ (C=C functional groups), and Ar-H stretching. Compound 1c showed an absorption band at 3325 cm^{-1} (N-H group), along with bands at $1597-1637\text{ cm}^{-1}$ (C=O linkage), $1407-1648\text{ cm}^{-1}$ (C=C functional groups), and Ar-H stretching. These spectral features confirm the structural integrity of the synthesized derivatives.

The compounds were analyzed for their bioactivity scores, ADMET properties, and molecular docking studies. Compound 1a exhibited strong binding affinity with 4JX3, while compound 1b showed strong binding affinity with 3VI8.

Bioactivity prediction indicated that all three compounds (1a, 1b, and 1c) showed moderate activity as ion channel modulators, kinase inhibitors, nuclear receptor ligands, protease inhibitors, GPCR ligands, and enzyme inhibitors.

ADMET analysis revealed moderate Caco-2 cell permeability, suggesting potential oral absorption. The compounds exhibited strong plasma protein binding, indicating an extended circulation time, and demonstrated good penetration properties. All derivatives obeyed Lipinski's Rule of Five, ensuring high oral absorption and good bioavailability.

Physicochemical parameters and toxicity risks were assessed using PreADMET. Bioactivity scores were predicted using Molinspiration, while ADME properties were evaluated using SwissADME. Molecular docking studies were conducted using Autodock and Discovery Studio.

CONCLUSION

2,4,5-triphenyl imidazole derivatives (1a,1b and 1c) were synthesized in good yield. Docking studies revealed that compound 1a showed good binding affinity towards PPAR α , and compound 1b showed good binding affinity towards Pim 1 kinase. 2,4,5-triphenyl imidazole derivatives obeys Lipinski rule five and showed the good oral absorption and good bioavailability.

**FORMULATION AND EVALUATION OF FAST-DISSOLVING PARACETMOL
TABLETS USING FENNEL POWDER AS A NATURAL DISINTEGRANT."**

Is a Dissertation Submitted to the



Jawaharlal Nehru Technological University, Kakinada, A.P

in partial fulfillment of the requirements for the degree of

BACHELOR OF PHARMACY (2021-2025)

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Under the guidance of

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DECLARATION

We hereby declare that the dissertation work entitled on **FORMULATION AND EVALUATION OF FAST-DISSOLVING PARACETMOL TABLETS USING FENNEL POWDER AS A NATURAL DISINTEGRANT.** "in partial fulfillment of the degree in Bachelor of Pharmacy of the JNT University, Kakinada for the academic year 2021-2025, was carried out by us in the library and laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under the valuable and efficient guidance and supervision of MR.DR.CH.S.PHANI KUMAR, M.Pharm., Ph.D Pharmaceutics, Assistant Professor, Aditya Pharmacy College, Surampalem, Andhra Pradesh. We also declare that the matter embodied in it is a genuine work.

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CERTIFICATE

This is to certify that the dissertation work entitled a study on FORMULATION AND EVALUATION OF FAST-DISSOLVING PARACETMOL TABLETS USING FENNEL POWDER AS A NATURAL DISINTEGRANT."submitted in partial fulfillment of the degree in Bachelor of Pharmacy of the JNT University, Kakinada for the academic year 2021-2025. This is a bonafied work carried out by PALA SATYANARAYANA RAJU(Regd. No. 213G1R0040), ALLAKA CHANDINI(Regd.No.213G1R0041),BUGUTHA SURYA BHAVYESH (Regd.No.213G1R0046),GUTHULA HARITHA(Regd.No.213G1R0047),KARRI LAKSHMI KSHEERAJA (Regd.No.213G1R0049) under my direct guidance and supervision.

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This is to certify that the dissertation work entitled **FORMULATION AND EVALUATION OF FAST-DISSOLVING PARACETMOL TABLETS USING FENNEL POWDER AS A NATURAL DISINTEGRANT.** is submitted to the Jawaharlal Nehru Technological University, Kakinada in partial fulfillment for the award of the degree of Bachelor of Pharmacy in Pharmaceutics. This is a bonafied work carried out by **PALA SATYANARAYANA RAJU** (Regd. No. 213G1R0040), **ALLAKA CHANDINI** (Regd.No.213G1R0041), **BUGUTHA SURYA BHAVYESH** (Regd.No.213G1R0046), **GUTHULA HARITHA** (Regd.No.213G1R0047), **KARRI LAKSHMI KSHEERAJA** (Regd.No.213G1R0049) under the guidance and supervision of **MR.DR.CH.S.PHANI KUMAR**, M.Pharm., PH.D Pharmaceutics Assistant Professor, Aditya Pharmacy College, Surampalem.

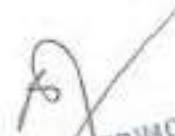
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VIII. CONCLUSIONS

This study successfully formulated and evaluated fast-dissolving Paracetamol tablets using fennel powder as a natural disintegrant. The results demonstrated that increasing the concentration of fennel powder (F2–F4) improved tablet disintegration and dissolution, comparable to formulations containing croscarmellose sodium (F5–F7). Among all formulations, F4 (10% fennel powder) and F7 (10% CCS) showed the fastest disintegration and highest dissolution efficiency, with F4 achieving complete drug release in 30 minutes. Drug release kinetics analysis revealed that formulations F1, F3, and F5 followed Zero-order release, suggesting sustained drug release, while F4, F6, and F7 fit better with the First-order model, indicating concentration-dependent release. The Higuchi model confirmed a diffusion-controlled mechanism, and Korsmeyer-Peppas analysis indicated a combination of diffusion and polymer relaxation processes. Overall, the findings suggest that fennel powder is an effective natural disintegrant, offering a sustainable and cost-efficient alternative to synthetic superdisintegrants like CCS. Given its biocompatibility, ease of availability, and pharmaceutical functionality, fennel powder can be utilized in fast-dissolving tablet formulations, enhancing patient compliance and therapeutic efficacy.

ADITYA PHARMACY COLLEGE (A), SURAMPALEM

PHYTOCHEMICAL EVALUATION OF INVITRO ANTICOAGULANT
ACTIVITY OF SARACA ASOCA

Dissertation submitted to

JAWAHARLAL NEHRUTECHNOLOGICAL UNIVERSITY-KAKINADA



In the partial fulfillment of the requirements for the Award of the degree of
BACHELOR OF PHARMACY
BY

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PONNADA SUPRIYA (213G1R0053)

KOUSHIK SASMAL (213G1R0084)

Under the guidance of

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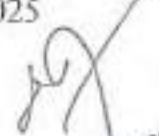
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DECLARATION

We hereby declare that the dissertation work entitled "PHYTOCHEMICAL EVALUATION OF INVITRO ANTICOAGULANT ACTIVITY OF *SARACA ASOCA*" in partial fulfillment of the degree in bachelor of pharmacy of the JNTU, Kakinada for the academic year 2024-2025, was carried out by us in library and Pharmacology and Pharmacognosy laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under the valuable & efficient guidance and supervision of Mrs. TSALIKI GOWTHAMI, M.Pharm, Assistant Professor, Department of Pharmacology, Aditya pharmacy college, Surampalem, Andhra Pradesh. We also declare that the matter embodied in this dissertation is a genuine work, and has not been submitted at any other University.

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P. Snehalatha

PITHANI MONIKA

P. Monika

PONNADA SUPRIYA

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CERTIFICATE BY THE SUPERVISOR

This is to certify that the dissertation work entitled
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ACTIVITY OF *SARACA ASOCA* submitted in partial fulfillment of the
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KOUSHIK SASMAL (Reg. No. 213G1R0084) under my guidance and
supervision. In our opinion, this work embodies substantial quality and
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CONCLUSION

In this study we evaluated phytochemical screening and invitro anticoagulant activity of ethanolic extract of Saraca asoca Bark. The ethanolic extract of the plant showed significant activity when compared to other extracts like aqueous extract at higher concentrations. From the experiment carried out it has been found that extract may be useful as an anticoagulant due to its safety and cost effectiveness. So, further studies like compound isolation, purification, characterization are to be usage as an anticoagulant.


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**"FORMULATION AND EVALUATION OF AN ORAL
TRANSFEROSOMAL GEL OF SYZYGIUM CUMINI FOR
ENHANCED BIOAVAILABILITY"**

Dissertation submitted to the JN TU-K University in partial
fulfilment of the requirements for the degree of Bachelor of
Pharmacy.

(2025)



Jawaharlal Nehru Technological University, Kakinada, AP

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P. Hemanth Kumar (213G1R0054)

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DECLARATION

The Project embodied in this thesis entitled "Formulation and Evaluation of an Oral Transfersomal Gel of Syzygium Cumini for Enhanced Bioavailability" was carried out in the Department of Pharmaceutics under the guidance of Mrs. Gowripattapu Sridevi, M.Pharm (ph.D)., Aditya pharmacy college, surampalem. The extent and source of information derived from the existence literature have been indicated throughout thesis of the project work at appropriate places.

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CH. R. V. Rohan Reddy (213G1R0056) *Ch. Rohan Reddy*

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CERTIFICATE BY THE GUIDE



I hereby declare that this dissertation entitled "*Formulation and Evaluation of an Oral Transfersosomal Gel of Syzygium cumini for Enhanced Bioavailability*", is an original research work carried out by P. Hemanth Kumar (213G1R0054), P. Sai Sowmya (213G1R0055), Ch. R. V. Rohan Reddy (213G1R0056), Prem Kumar (213G1R0086) under my supervision in partial fulfilment of the requirement for the degree of Bachelor of Pharmacy.

Gr. Sridevi

Mrs. Gowripattapu Sridevi., M. Pharm (Ph. D)

Assoc. Professor

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Department of Pharmaceutics
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CERTIFICATE



This is to certify that the dissertation entitled "Formulation and Evaluation of an Oral Transfersosomal Gel of Syzygium Cumini for Enhanced Bioavailability", submitted to the JNTU-K University, Kakinada, in partial fulfilment of the requirements for the award of the degree of Bachelor of Pharmacy is a record of original research work carried out by P. Hemanth Kumar (213G1R0054), P. Sai Sowmya (213G1R0055), Ch. R. V. Rohan Reddy (213G1R0056), Prem Kumar (213G1R0086)) under the supervision of Mrs. Gowripattapu Sridevi, M.Pharm (ph.D)., and it has been previously not submitted to and other university of Academic Institution for any higher degree.

Place: Surampalem

Date:

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Summary and Conclusion

Summary:

The study characterized transferosomal formulations for oral gel application. Key findings include:

Vesicle Characteristics:

The particle size (130.6 nm) and zeta potential (-12.4 mV) indicate moderate stability and suitability for transferosomal formulations.

pH and Appearance:

All formulations (F1-F4) maintained a favourable pH (6.8-7.4) and exhibited a transparent gel form.

Spreadability & Rheology:

Spreadability increased from F1 (131 g-cm/s) to F4 (183 g-cm/s), while viscosity ranged from 1500 to 2000 cps, confirming pseudoplastic flow.

Entrapment Efficiency:

F4 had the highest entrapment (93.4%), ensuring superior drug retention, whereas F1 had the lowest (68.2%).

Drug Content:

All formulations passed the assay test (90-110%), with F4 showing the highest drug content (101.5%).

In-vitro Drug Release:

F4 demonstrated the highest sustained drug release (99.9% in 300 minutes).

Stability Studies:

After 3 months, all formulations remained stable, with F4 showing the best retention of properties.


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*Dissertation submitted to the Jawaharlal Nehru Technological University,
Kakinada in partial fulfillments of the requirements for the degree of Bachelor
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Submitted BY

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DECLARATION

The project embodied in this thesis entitled "FORMULATION AND EVALUATION OF CASHEW APPLE EXTRACT ELIXIR FOR PERIPHERAL NEUROPATHY MANAGEMENT" was carried out in the department of Pharmaceutical Technology under the guidance of Mr. DASARI NAGASEN, M.Pharm., (Ph. D) Aditya Pharmacy College, Surampalem. The extent and source of information derived from the existence literature have been indicated throughout thesis of the project work at appropriate places.

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S. Yaswanth

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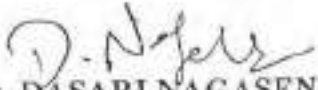
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Under my supervision and it has not been previously submitted to any other university or academic institution for any higher degree.


Mr. DASARI NAGASEN, M. Pharm., (Ph. D)

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CERTIFICATE



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They have done this research work under the supervision of Mr. DASARI NAGASEN, M. Pharm., (Ph. D) and it has not been previously submitted to any other university or academic institution for any higher degree.

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9. SUMMARY AND CONCLUSION

Peripheral neuropathy is a debilitating condition characterized by nerve damage that leads to symptoms such as pain, numbness, and tingling, particularly in diabetic patients. Current treatments primarily focus on symptom management, with limited efficacy and potential side effects. In this study, we explored the potential of cashew apple (*Anacardium occidentale*) extract as a therapeutic agent for peripheral neuropathy, leveraging its rich phytochemical composition, neuroprotective, antioxidant, and anti-inflammatory properties.

The primary objective of this research was to develop an elixir formulation incorporating cashew apple extract and evaluate its potential against peripheral neuropathy. The study involved the following steps:

1. Phytochemical Analysis of Cashew Apple Extract

- The qualitative screening revealed the presence of flavonoids, phenolics, tannins, saponins, carotenoids, and steroidal glycosides, which are known for their antioxidant, anti-inflammatory, and neuroprotective effects.
- TLC, UV-Vis spectrophotometry, and FTIR analyses confirmed the presence of key bioactive compounds that contribute to the therapeutic potential of the extract.

2. Formulation and Development of the Elixir

- The cashew apple extract was incorporated into an elixir formulation, optimized for stability, bioavailability, and patient acceptability.
- The formulation included appropriate excipients to enhance solubility, palatability, and absorption, ensuring effective delivery of bioactive compounds.

3. Preclinical Evaluation Against Peripheral Neuropathy

- The elixir was tested in animal models of peripheral neuropathy (induced in rats) to assess its therapeutic potential.
- Behavioral assessments such as thermal hyperalgesia, mechanical allodynia, and motor function tests were conducted to evaluate nerve function improvement.
- Histopathological analysis of sciatic nerve tissue indicated potential neuroprotective and regenerative effects, supporting the efficacy of the formulated elixir.

The findings of this study suggest that cashew apple extract-based elixir holds significant promise as a natural therapeutic agent for peripheral neuropathy. The phytochemical analysis confirmed the presence of potent bioactive compounds that contribute to its neuroprotective, antioxidant, and anti-inflammatory activities. The formulated elixir demonstrated potential efficacy in alleviating neuropathic symptoms by improving nerve function, reducing oxidative stress, and promoting nerve regeneration.

This study provides preliminary evidence supporting the use of cashew apple extract in neuropathic pain management. However, further pharmacokinetic, toxicological, and clinical studies are required to validate its safety and efficacy in human subjects.

Future Perspectives

- Advanced pharmacological evaluations to establish the mechanism of action of cashew apple extract in peripheral nerve regeneration.
- Optimization of the elixir formulation for improved stability, bioavailability, and controlled drug release.
- Clinical trials to assess its therapeutic efficacy and safety in patients with diabetic peripheral neuropathy.
- Combination therapies with existing treatments to enhance effectiveness and reduce dependency on conventional drugs.

This study highlights the potential of cashew apple extract as a novel, natural treatment for peripheral neuropathy, paving the way for its integration into herbal and pharmaceutical formulations for neuroprotective therapy.

ISOLATION AND CHARACTERIZATION OF PHYLOPLANE BACTERIA FROM
PAPAYA PLANT FOR THE BIO CONTROL OF POSTHARVEST DISEASE IN PAPAYA

Dissertation Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA



In the partial fulfillment of their requirements for the Award of the degree
of BACHELOR OF PHARMACY

SUBMITTED BY

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Under the guidance of

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Professor

Department of Pharmacology



Aditya Pharmacy College, Surampalem, Andhra Pradesh, India-533437

Batch: 2021-2025

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DECLARATION

We hereby declare that the dissertation work entitled "ISOLATION AND CHARACTERIZATION OF PHYLOPLANE BACTERIA FROM PAPAYA PLANT FOR THE BIO CONTROL OF POSTHARVEST DISEASE IN PAPAYA" in partial fulfillment of the degree in bachelor of pharmacy of the JNT University, Kakinada for the academic year 2021 - 2025, was carried out by us in library and laboratories of Aditya Pharmacy College, Surampalem, Andhra Pradesh under the valuable and efficient guidance and supervision of, DR. S.NAGESWARA. RAO M.Pharm, Ph.D., Professor, Department of Pharmacology, Aditya pharmacy college, Surampalem, Andhra Pradesh. We also declare that the matter embodied in it is a genuine work.

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CERTIFICATE BY THE SUPERVISOR

This is to certify that the dissertation work entitled a study on "ISOLATION AND CHARACTERIZATION OF PHALLOPIAN BACTERIA FROM PAPAYA PLANT FOR THE BIO-CONTROL OF POSTHARVEST DISEASE IN PAPAYA" submitted in Partial fulfillment of the degree in bachelor of pharmacy of the JNT University, Kakinada for the academic year 2021-2025. This is a bona fide work carried out by S. SIVAMANI (21UGH0060), SK. FARHAN BOHAL (21UGH0061), S.S. ARANKSHA (21UGH0062) SHIVANI KUMARI (21UGH0091) under the direct guidance and supervision.

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CHAPTER-8

CONCLUSION

8.1 CONCLUSION:

From the studies conducted it is observed that bacterial isolates from the phylloplane have the ability to control fungal pathogen growth in papaya fruits. Out of 20 isolates studied, it can be concluded that IS 6 and IS 7 had maximum inhibitory activity and increased shelf life of the papaya fruits. These two isolates were found to be Gram positive rods with endospores and Gram-negative rods, respectively. The maximum inhibition was seen against *Fusarium*. By the Dual assay test, it was revealed that maximum antagonistic ability was revealed by IS - 6 and IS - 7. The papaya fruits treated with IS - 6 and IS - 7 showed better shelf life and appeared fresh. The isolates were morphologically and biochemically characterized and identified as *Bacillus* and *Pseudomonas* respectively. Thus it can be concluded that *Bacillus* and *Pseudomonas* obtained from the phylloplane of the papaya plant act as potential biocontrol agents against various post-harvest diseases of papaya.

7.2 FUTURE SCOPE

- * Pathogenicity testing of the potential biocontrol agents • Mode of action of the biocontrol agents
- * Mode of action of the biocontrol agents
- * Formulation studies
- * Field studies


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DECLARATION

This project embodied in thesis entitled "Formulation and Characterization of a Phytochemical-Based Sunscreen Gel Using Phoenix sylvestris Seed Extract and Zinc Oxide Nanoparticles for Natural UV Protection" was carried out in the department of pharmaceutical analysis under the guidance of Ch.Lakshmi Madhavi, PGDHMMPharm(Ph.D), Assistant Professor, Aditya Pharmacy College, Surampalem. The extent and source of information derived from the existence literature have been indicated throughout thesis of the project work at appropriate places.

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Chapter-7

SUMMARY AND CONCLUSION

CONCLUSION:

This study aimed to develop a natural sunscreen gel by extracting and characterizing bioactive phytochemicals from *Phoenix sylvestris* seeds and synthesizing zinc oxide nanoparticles (ZnO NPs) through a green synthesis approach. The formulation was designed to combine the inherent antioxidant and UV-absorbing properties of the seed extract with the broad-spectrum, photostable UV protection provided by ZnO NPs.

Comprehensive evaluation of the gel's physicochemical parameters—including pH, viscosity, spreadability, and sun protection factor (SPF)—demonstrated that the product meets the criteria for effective topical application. The synergistic interaction between the natural phytochemicals and ZnO nanoparticles not only enhanced overall UV protection but also significantly reduced oxidative stress, thereby mitigating photoaging and lowering the risk of UV-induced skin damage. Furthermore, the formulation maintained its stability under varying environmental conditions, indicating its potential for long-term usage.

In addition, detailed analysis of the extraction process and nanoparticle synthesis has provided valuable insights into optimizing the balance between bioactivity and formulation performance. The study underscored the importance of natural compounds in reducing reliance on synthetic chemicals, thereby minimizing adverse skin reactions and environmental hazards. The integration of nanotechnology with herbal extracts presents a novel approach that not only enhances sunscreen efficacy but also contributes to improved skin hydration and overall dermatological health.

Moreover, the favorable SPF results, coupled with minimal skin irritation observed during preliminary evaluations, highlight the gel's promise as a safe and effective sun protection alternative. The encouraging outcomes pave the way for future work, including extended in vivo evaluations, long-term stability studies, and clinical trials to further validate the product's performance. This research lays a robust foundation for the development of advanced, eco-friendly sunscreen formulations that can meet modern consumer demands for both safety and environmental sustainability. Ultimately, the natural sunscreen gel developed

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herein demonstrates significant potential to revolutionize sun care by offering a sustainable, effective, and biocompatible solution for skin protection.


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A Thesis Report on

**FORMULATION AND CHARACTERIZATION OF EMTRICITABINE AND
TENOFIVIR DISOPROXIL FUMARATE SOLID LIPID NANOPARTICLES**

Thesis submitted to



Jawaharlal Nehru Technological University, Kakinada, A.P

In the partial fulfillment for the award of the degree of

Bachelor of Pharmacy

T. SRI AMRUTHA VARSHINI (213G1R0066)

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T. JSRVD NAGALAKSHMI (213G1R0068)

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Under the Esteemed Guidance of

Mr. G. Ramakrishna M. Pharm., (Ph.D.)

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APPROVED BY AICTE & PCI

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DECLARATION

We hereby declare that the research work embodied in this thesis entitled "FORMULATION AND CHARACTERIZATION OF EMTRICITABINE AND TENOFOVIR DISOPROXIL FUMARATE SOLID LIPID NANOPARTICLES" was carried out by us in the Department of Pharmaceutics, Aditya Pharmacy College, Surampalem, affiliated to JNTU, Kakinada, India, under the supervision of Mr.G.Ramakrishna.,M.Pharm (Ph.D) Assistant Professor of Pharmaceutics, Aditya Pharmacy College, Surampalem. The extent and source of information derived from the existing literature have been indicated throughout the thesis at appropriate places. The work is original and has not been submitted in partial or full for any diploma or degree of this or any other University.

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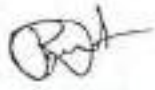
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This is to certify that the investigation described on this thesis entitled "FORMULATION AND CHARACTERIZATION OF EMTRICITABINE AND TENOFOVIR DISOPROXIL FUMARATE SOLID LIPID NANOPARTICLES" is submitted by T. Sri Amrutha Varshini (213GIR0066), T. Prasanna (213GIR0067), T. JSRVD Nagalakshmi (213GIRO068) and S. Mondal (213GIR0093) of ADITYA PHARMACY COLLEGE, SURAMPALEM, affiliated to JNTU University, Kakinada for the partial fulfillment of degree of Bachelor of Pharmacy. The report embedded in this thesis was carried out under the guidance of G.R.Krishna(Ph.D) Department of Pharmaceutics of ADITYA PHARMACY COLLEGE, SURAMPALEM.

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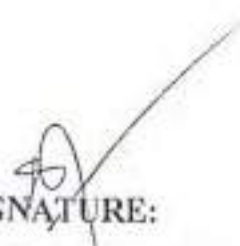
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CONCLUSION AND FUTURE SCOPE

6.1 SUMMARY OF FINDINGS

- Preformulation (FTIR Analysis):

The FTIR spectrum confirmed the presence of key functional groups ($-OH$, $-NH$, $C=O$, $C-O-C$, and $P-O$), indicating that the molecular integrity of EMT and TDF is maintained without any significant degradation. Hydrogen bonding is also evident, which supports the stability of the formulation.

- Optimization of SLN Formulation:

The optimized particle size of 167.5 nm enhances bioavailability, cellular uptake, and circulation time, making the formulation suitable for both oral and intravenous delivery. A zeta potential of -20.3 mV suggests moderate stability with minimal aggregation, although further improvement in surfactant concentration could boost stability. An entrapment efficiency of 80% confirms effective drug encapsulation and supports sustained release, which is beneficial for antiretroviral therapy.

- In Vitro Drug Release Studies:

The drug release profile shows a gradual, controlled release of EMT and TDF over 120 minutes, preventing burst release and ensuring consistent therapeutic levels, which can improve patient compliance.

- Morphology and Surface Characterization (SEM Analysis):

SEM images reveal smooth-surfaced nanoparticles with some aggregation, indicating effective drug dispersion within the lipid matrix. However, slight aggregation suggests that further optimization (e.g., adjusting homogenization parameters or increasing stabilizer levels) may be needed.

Final Conclusion:

The SLN formulation for EMT and TDF shows promising characteristics—including optimized particle size, high drug entrapment, controlled release, and stable morphology—that support its potential for effective antiretroviral therapy. Minor adjustments in processing parameters could further enhance formulation stability and performance.


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6.2 CONCLUSION:

The SLN formulation for Emtricitabine (EMT) and Tenofovir Disoproxil Fumarate (TDF) demonstrates considerable promise for antiretroviral therapy. FTIR analysis confirms that the key functional groups remain intact, ensuring molecular integrity and stability. The optimized small particle size of 167.5 nm enhances bioavailability, cellular uptake, and circulation time, while a zeta potential of -20.3 mV provides moderate stability. An entrapment efficiency of 80% supports sustained drug release and reduced dosing frequency. Although SEM analysis indicates slight aggregation, minor optimizations can further improve dispersion and overall performance, underscoring the formulation's potential for effective targeted drug delivery. Encouraging results warrant further preclinical evaluation.

6.3 FUTURE PROSPECTS FOR SLN's RESEARCH:

Based on these SLN studies, future prospects include further optimization and scaling up of the formulation process. Refining homogenization parameters and exploring additional stabilizers could reduce aggregation, thereby enhancing particle uniformity and bioavailability. Additionally, *in vivo* studies are warranted to evaluate pharmacokinetics, biodistribution, and therapeutic efficacy, paving the way for clinical translation in antiretroviral therapy. There is also potential to modify the SLNs with targeting ligands for site-specific drug delivery, reducing systemic toxicity. Finally, investigating alternative lipid matrices and surfactant systems may lead to improved stability and extended shelf-life, ultimately contributing to more effective and patient-friendly HIV treatment regimens.


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**"DEVELOPMENT & EVALUATION OF SULPHATE, PARABEN
FREE SHAMPOO MADE WITH NIGELLA SATIVA, FLAX
SEEDS, ZIZIPHUS SPINA CHRISTI"**

*Dissertation submitted to the Jawaharlal Nehru Technological University,
Kakinada in partial fulfillment of the requirements for the degree of Bachelor of
Pharmacy (2025)*



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DECLARATION

The Project embodied in this thesis entitled "DEVELOPMENT & EVALUATION OF A SULPHATE, PARABEN FREE SHAMPOO MADE WITH NIGELLA SATIVA, FLAX SEEDS, ZIZIPHUS SPINA CHRISTI" was carried out in the Department of Pharmaceutical Analysis under the guidance of Miss S. VANGMAYI SWAROOPA, M. Pharm, Aditya Pharmacy College, Surampalem.

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Under my supervision and it has not been previously submitted to any other university or academic institution for any higher degree.


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They have done this research work under the supervision of MISS S. VANGMAYI SWAROOPA, M. Pharm and it has not been previously submitted to any other university or academic institution for any higher degree.

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CHAPTER - 9

SUMMARY AND CONCLUSION

This thesis focuses on the formulation of an herbal shampoo, emphasizing the development of a natural, plant-based solution for hair and scalp care. The study is organized into several chapters, each addressing different aspects of the research process.

Chapter 1: Introduction

This chapter introduces the need for herbal alternatives in hair care, emphasizing the harmful effects of synthetic chemicals in conventional shampoos and the increasing demand for natural products. The objective of the study is to formulate an herbal shampoo that is safe, effective, and sustainable.

Chapter 2: Literature Review

This chapter provides an overview of the existing research on herbal ingredients used in hair care formulations. Various herbs and their properties, such as antimicrobial, anti-inflammatory, and nourishing effects, are discussed. The review includes an examination of previous studies on the efficacy of herbs like flaxseeds, kalonji seeds, soap nuts etc. in promoting scalp health and hair growth.

Chapter 3: Materials and Methods

This chapter details the ingredients selected for the herbal shampoo formulation, including the sources, properties, and benefits of each herb used. The process of shampoo formulation, including extraction techniques, blending ratios, and formulation testing procedures, is outlined. Methods for evaluating the shampoo's effectiveness, safety, and consumer acceptance are also described.

Chapter 4: Formulation and Testing

Here, the actual formulation of the herbal shampoo is discussed. The results of laboratory tests on the shampoo's ability to clean hair, maintain scalp health, and improve hair strength are presented. Various formulations were tested to determine the optimal ratio of ingredients for efficacy and mildness. Consumer testing and feedback on product use are also presented.

Chapter 5: Results and Discussion

This chapter presents the outcomes of the tests conducted on the herbal shampoo, including its cleansing properties, effectiveness in treating common scalp issues like dandruff or dryness, and overall consumer satisfaction. The results indicate that the shampoo is effective and gentle, offering a natural alternative to chemical-based shampoos.

CONCLUSION

The present study aimed to formulate and evaluate an herbal shampoo using natural ingredients like flaxseeds, kalonji seeds, amla, soap nuts etc. the results of the study indicate that the

Formulated herbal shampoo possesses good physical and chemical characteristics such as pH, viscosity, foamability, surface tension etc. The antimicrobial activity of the shampoo was found to be significant, indicating its potential to control scalp infections. The shampoo also showed good cleansing and foaming properties making it suitable for cleaning and maintaining healthy hair. The stability studies conducted on the shampoo indicated that it was stable at different temperatures and conditions, demonstrating its potential for long term use and storage. Overall, the findings of this study suggest that the formulated herbal shampoo is a promising alternative to synthetic shampoos, offering a natural and effective solution for hair care. The shampoo's antimicrobial, moisturizing, and conditioning properties make it suitable for various hair types and scalp conditions.


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This is to certify that the dissertation entitled **"PHYTOCHEMICAL PROFILING AND ANTIMICROBIAL PROPERTIES OF PIPER BETEL LEAF AND ITS FORMULATION USING ANALYTICAL TECHNIQUES"** was submitted to the Jawaharlal Nehru Technological University, Kakinada in partial fulfillment of the requirements for the award of the degree of Bachelor of Pharmacy is a record of original research work carried out by

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They have done this research work under the supervision of **MISS. BALLA.SUJIYA, M. Pharm** and it has not been previously submitted to any other university or academic institution for any higher degree.

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CONCLUSION

The results indicate that the proposed method is simple, precise and accurate. They comply the method validation in line with ICH guidelines. Moreover, Spectroscopical analysis are readily available and affordable.

SUMMARIZED TABLE:

TABLE 1.35: Summarized Table for Leaf Extract

PARAMETER	RESULTS		
	PHENOLS	FLAVONOIDS	FORMULATION
Wavelength(nm)	550nm	430nm	550nm
Linearity Range	10 – 50 µg / ml	10 – 50 µg / ml	10 – 50 µg / ml
Regression Equation	0.9991	0.9995	0.9992
Slope (m)	0.01475	0.0113	0.01079
Intercept (c)	0.00147	0.0013	0.0111
LOD	0.228µg/ml	0.145µg/ml	0.225µg/ml
LOQ	1.45µg/ml	1.25µg/ml	1.41µg/ml

FT – IR ANALYSIS

FT- IR Analysis was performed and the produced IR Spectra was compared with standard IR spectra and the functional groups were determined through IR Interpretation.

ZETA POTENTIAL ANALYSIS WITH POLY DISPERSIVE INDEX (PDI)

CONCLUSION:

The dynamic light scattering (DLS) analysis revealed that the formulated Piper betel leaf phytosomes exhibited a particle size of 143.3 nm. This size falls within the optimal range for nanophytosomal drug delivery systems, indicating good Nano formulation stability and potential for enhanced bioavailability. A particle size below 200 nm is desirable as it ensures better cellular uptake, increased surface area, and improved solubility of bioactive

SYNTHESIS, CHARACTERIZATION AND ANTI BACTERIAL ACTIVITY OF SOME 1,3,4-THIADIAZOLE DERIVATIVES

A dissertation submitted to Jawaharlal Nehru Technological
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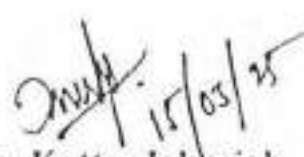
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SUMMARY & CONCLUSION

The following conclusion has been drawn from the results of these investigations.

1. Three derivatives of 2- Amino, 5- Aryl- 1,3,4- Thiadiazole were synthesised from series of chemical reactions.
2. The synthesised compounds were characterized by melting point, molecular weight, % Yield and % Nitrogen
3. The second compound which is labelled as B exhibited significant anti bacterial activity against *S. aureus* and *E. coli* with zone of inhibition 9 mm and 8 mm at 100 µg/ml respectively.
4. The promising results gave us scope for further work in this area


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SYNTHESIS AND CYCLIZATION OF CHALCONES AND ITS DOCKING

A dissertation submitted to Jawaharlal Nehru Technological
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SUMMARY AND CONCLUSION

- The title compounds were prepared by taking equal moles of compound-2 and suitable aldehyde in a clean mortar and triturate with 40% alcoholic NaOH by adding drop by drop the solid product comes around 15 to 20 min.
- All the compounds synthesized were characterized by physical (R_f values, melting point, molecular weight, molecular formula).
- The tested compounds have antibacterial activity by autodocking studies proven by docking score -6.83.


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Formulation and Assessment of Solid Perfume for Aromatherapy by using Natural Herbs

*Dissertation submitted to the Jawaharlal Nehru Technological University,
Kakinada in partial fulfillment of the requirements for the degree of Bachelor of
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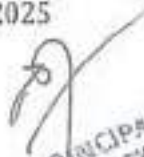
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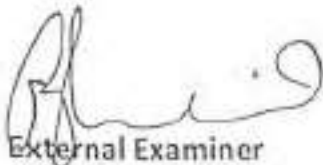
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CONCLUSION:

In conclusion, the development of an herbal solid perfume is a project that requires careful consideration of various factors, including the selection of appropriate ingredients, formulation, production process, and packaging. The aim of this project is To develop aromatherapy based long lasting solid perfume with unique blend of various herbal essential oils and natural ingredients that provides a consistent fragrance release and also prove the specific therapeutic activity of the herbal solid perfume. The formulation of the herbal solid perfume was based on beeswax, essential oil, and a blend of essential oils. Beeswax was chosen as the main ingredient because of its ability to provide a stable and smooth texture, while also offering emollient and protective properties for the skin. Coconut oil was added for its nourishing and moisturizing properties. The essential oils are carefully selected based on their therapeutic benefits, such as their ability to promote relaxation, improve mood, and enhance mental clarity. The production process of the herbal solid perfume involved melting the beeswax and coconut oil together in a double boiler, then adding the essential oils of herbal extracts. The mixture was then poured into a small tin and allowed to cool and solidify. The final product had a pleasant and natural fragrance, and was easy to apply and absorb into the skin. The packaging of the herbal solid perfume was designed to be simple, yet aesthetically pleasing and functional. The small container was convenient and portable, allowing users to carry the solid perfume with them wherever they go. In terms of the evaluation of the herbal solid perfume, several tests were performed to assess its fragrance, texture, longevity, packaging, and antimicrobial properties. The fragrance of the solid perfume was found to be pleasant and long-lasting, while the texture was smooth and easy to apply. The packaging was deemed convenient and eco-friendly, while the antimicrobial properties of the essential oils were found to provide some level of protection against harmful microorganisms. Overall, the development of the herbal solid perfume was a successful project that demonstrated the feasibility of creating a natural and sustainable alternative to traditional liquid perfumes. The use of beeswax and herbal ingredients provided a stable and effective formulation that was gentle on the skin, while also providing therapeutic benefits. In conclusion, the herbal solid perfume project represents an exciting opportunity for further research and development in the area of natural and sustainable cosmetics. With the growing demand for environmentally friendly and health conscious products, the herbal solid perfume provides a promising alternative to traditional perfumes that aligns with these values. The packaging of Beeswax-based solid perfume should be designed with sustainability in mind. The packaging should be customizable to match the brand's ethos and provide a unique and memorable experience for customers.

FORMULATION AND ANTIMICROBIAL ACTIVITY OF VITAMIN-E SOAP FROM WASTE COOKING OIL

*Dissertation submitted to the Jawaharlal Nehru Technological University,
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CERTIFICATE



This is to certify that the dissertation entitled "FORMULATION AND ANTIMICROBIAL ACTIVITY OF VITAMIN-E SOAP FROM WASTE COOKING OIL" was submitted to the Jawaharlal Nehru Technological University, Kakinada in partial fulfilment of the requirements for the award of the degree of **Bachelor of Pharmacy** is a record of original research work carried out by

GOPI NAGA SAI SANDEEP (213G1R0096), PATHIKA HARITHA (213G1R0097),
VISWANADUNI UDAY (213G1R0098), MATTE LAKSHMI LAVAYANA (223G5R0001).

Under my supervision and it has not been previously submitted to any other university or academic institution for any higher degree.

P.S.S. SAI KIRAN

Dr.P.S.S.SAI KIRAN, M. Pharm.Ph.D.,

ASSOCIATE PROFESSOR,

Aditya Pharmacy College,

Surampalem-533437.

Place: Surampalem

Date: 15-03-25

External Examiner

Internal Examiner

[Signature]
PRINCIPAL
ADITYA PHARMACY COLLEGE(A,
SURAMPALEM-533 437

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VISWANADUNI UDAY (213G1R0098), MATTE LAKSHMI LAVAYANA (223G5R0001)

They have done this research work under the supervision of Dr.P.S.S.SAI KIRAN M.Pharm,Ph.D and it has not been previously submitted to any other university or academic institution for any higher degree.

Dr. D. Sathis Kumar, M. Pharm, Ph.D

Principal,

Aditya Pharmacy College

Surampalem-533437.

Place: Surampalem

Date:

Internal Examiner

External Examiner

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CHAPTER-6

CONCLUSION

The formulation and evaluation of α -tocopherol-based antimicrobial soap demonstrated promising results as a natural alternative to conventional antibacterial soaps. The successful saponification process using waste cooking oil and the incorporation of α -tocopherol resulted in a stable soap formulation with beneficial skin properties. The antimicrobial efficacy tests indicated that the soap exhibited significant inhibitory effects against both Gram-positive and Gram-negative bacteria, particularly *Staphylococcus aureus* and *Streptococcus* sp., which showed the highest susceptibility. The soap's antimicrobial mechanism, likely influenced by α -tocopherol's membrane disruption, biofilm inhibition, and antioxidant properties, contributed to its effectiveness. The results further highlight α -tocopherol's potential as an active ingredient in personal care products due to its multifunctional benefits, including antimicrobial activity and skin nourishment.

However, challenges such as formulation stability, regulatory approvals, and cost-effectiveness must be addressed for commercial viability. Future studies could explore optimizing the concentration of α -tocopherol, incorporating synergistic natural antimicrobials, and conducting clinical trials to validate its safety and long-term effectiveness.

Overall, this research supports the development of sustainable, eco-friendly, and effective antimicrobial soap formulations, emphasizing the potential of natural compounds like α -tocopherol in combating microbial resistance while promoting skin health.

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During the aforesaid period we found him to be sincere, hard working and having a learning attitude.

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During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

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JSS Ramayya
JSS Ramayya

General Manager – HR & Admin


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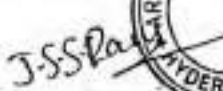
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For Arch Pharmalabs Limited,


JSS Ramayya


General Manager – HR & Admin




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During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

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JSS Ramayya

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Date: 22nd June 2024

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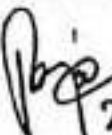
2136120036

This is to certify that **Mr. Madduri Sivamani S/o Madduri Srinivasu** student of Bachelor of Pharmacy from Aditya Pharmacy College, Surampalem has successfully completed Internship programme from 22 May, 2024 to 21 June, 2024 at **Metrochem API Pvt Ltd, Unit-IV, Visakhapatnam.**

During the period of Internship programme with us he was found punctual, hardworking and inquisitive.

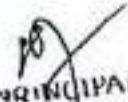
We wish him all success.

For Metrochem API Pvt.Ltd


22/06/2024

Rajesh Karicherla
Associate Vice President
Corporate Human Resources

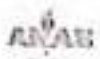



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Ph. : (O) 0891-2748699, Cell : 9849033397, E-mail : teamlabsvizag@gmail.com

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During the training period she had interacted with all Lab Analysis, Micro Biology and R&D Department and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hardworking and having a learning attitude.

For Team Labs and Consultants,




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During the training period he/ she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

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FROM SURA PHARMA LABS



Mr. D. Praveeth Kumar

Manager

PRINCIPAL
Aditya Pharmacy College
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During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature



Ms. N. B. Samantara

Admin Incharge



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During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

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Authorized Signature



Mr. Anjum

Admin Incharge

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During the training period he/ she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

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Mr. D. Ramesh Kumar

Assistant manager


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During the training period he/ she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

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Mr. D. Praveeth Kumar

Manager

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This is to certify that **Ms. KADALI SWATHI**, Roll No.: **213G1R0026** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,


JSS Ramayya

General Manager – HR & Admin




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This is to certify that **Ms. KARRI PAVANI SRIVIDYA**, Roll No.: **213G1R0027** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,



JSS Ramayya

General Manager – HR & Admin



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During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

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General Manager - HR & Admin




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JSS Ramayya


General Manager - HR & Admin




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During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

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JSS Ramayya

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JSS Ramayya

General Manager – HR & Admin




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During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

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JSS Ramayya

General Manager – HR & Admin



Principal
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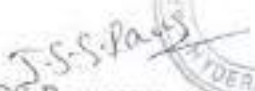
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During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

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JSS Ramayya

General Manager – HR & Admin





Aditya Pharmacy College
SANGAREDDY 502 296

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Date: 22nd June 2024

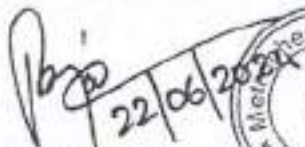
TO WHOM IT MAY CONCERN

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During the period of Internship programme with us he was found punctual, hardworking and inquisitive.

We wish him all success.

For Metrochem API Pvt.Ltd


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Rajesh Karicherla
Associate Vice President
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Date: 21/06/2024

This is to certify that Ms. MAKIREDDY RAJESWARI, Roll No: 213G1R0037 is a Bona fide student of ADITYA PHARMACY COLLEGE, E.E. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfillment of the B. Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hardworking and having a learning attitude.

For Gayatri Enviro Techno Labs Limited,

Managing Director

M.Vani
Gayatri Enviro Techno Labs

D.No. 4-114, HIG-II-114
Sagar Nagar
Visakhapatnam 530045



Principal
Aditya Pharmacy College
SURAMPalem 530045



Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. PALA SATYANARAYANA RAJU** bearing Regd No.: **213G1R0040** is a student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, has undergone industrial training in our premises for a period of one month. i.e: 21-05-2024 to 21-06-2024.

During the training period he had interested with Quality control & QA Departments and acquired basic knowledge in these areas. During above mentioned period we observed that he is sincere and hard working.

For **SB ORGANICS LTD** Limited



Manager



ADITYA PHARMACY COLLEGE
SIRAMPALAM 533 43

SB ORGANICS LTD

FACTORY ADDRESS

Unit-1, Survey No: 352 & 353,
Chandapur Village Hathnora Mandal,
Sangareddy District, Telangana State
Pin Code : 502295, INDIA

REGISTERED OFFICE

SB ORGANICS LTD
H NO 28-205 H.L.G
PLOT NO 208
SHEL EXECUTIVES CO OPERATIVE SOCIETY LTD,
MADHAV NAGAR HIG COLONY
RAMACHANDRAPURAM 502032
CELL NO: 7207021600
Email: ravi@sborganicsltd.com
CHANDRAPUR DIST, TELANGANA STATE, INDIA



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telanagana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. ALLAKA CHANDINI**, Roll No.: **213G1R0041** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,



JSS
JSS Ramayya

General Manager – HR & Admin



ADITYA PHARMACY COLLEGE
SIRAMPALEM 533 434

Date: 21st June 2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Anathbandhu De, B.Pharmacy, Roll No. 213G1R0042**, student of Aditya Pharmacy college, E.G. District, Andhra Pradesh, had successfully completed his industrial vocational training for a period of 1 month from 20th May 2024 to 20th June 2024.

During training covered Manufacturing process of Tablets, Capsules and Dry Powder injections, Quality Control and Quality Assurance systems also covered at our Pharmaceutical facility of M/s. Aurobindo Pharma Ltd., Unit-VI located at Chitkul village, Sangareddy Dist, Telangana.

During the Industrial Vocational Training we found him committed, hardworking personality and sincere. We wish him all the very best in his future endeavours.

For AUROBINDO PHARMA LIMITED


D. Nagar Pavan Kumar
Dy. Manager - HR
ADITYA PHARMACY
Aditya Pharmacy (B) Ltd.
SURAMPALAM 513 445



Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. ANKUR ACHERJEE** bearing Regd No.: **213G1R0043** is a student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, has undergone industrial training in our premises for a period of one month. i.e; 21-05-2024 to 21-06-2024.

During the training period he had interested with Quality control & QA Departments and acquired basic knowledge in these areas. During above mentioned period we observed that he is sincere and hard working.

For S B ORGANICS Limited

Manager



(Signature)

PRINCIPAL

Aditya Pharmacy College
CHAMPALEM 533 437

S B ORGANICS LTD

FACTORY ADDRESS :

-1, Survey No. 352 & 353,
Madhapur Village Hathnora Mandal,
Sangareddy District, Telangana State
Code : 502298, INDIA

REGISTERED OFFICE :

S B ORGANICS LTD
H NO 28-206, H.L.G
PLOT NO 205
BHEL EXECUTIVES CO OPERATIVE SOCIETY LTD.
MADHAV NAGAR HIG COLONY
RAMACHANDRAPURAM 502032
CELL NO. 7207021608
Email: ravi@sborganicsltd.com
SANGAREDDY DIST, TELANGANA STATE, INDIA

Date: 21st June 2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Bireswar Dhabal, B.Pharmacy, Roll No. 213G1R0045**, student of Aditya Pharmacy College, E.G. District, Andhra Pradesh, had successfully completed his industrial vocational training for a period of 1 month from 20th May 2024 to 20th June 2024.

During training covered Manufacturing process of Tablets, Capsules and Dry Powder injections, Quality Control and Quality Assurance systems also covered at our Pharmaceutical facility of M/s. Aurobindo Pharma Ltd., Unit-VI located at Chitkul village, Sangareddy Dist, Telangana.

During the Industrial Vocational Training we found him committed, hardworking personality and sincere. We wish him all the very best in his future endeavours.

For AUROBINDO PHARMA LIMITED



D Naga Pavan Kumar

Dy. Manager - HR



PRINCIPAL
Aditya Pharmacy College
S.R. RAMPAALEM 533 437



Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. GUTHULA HARITHA** bearing Regd No.: **213GIR0047** is a student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, has undergone industrial training in our premises for a period of one month. i.e: 21-05-2024 to 21-06-2024.

During the training period she had interested with Quality control & QA Departments and acquired basic knowledge in these areas. During above mentioned period we observed that she is sincere and hard working.

For S.B. Organics Limited

Manager



Aditya Pharmacy College
SANGAREDDY DIST. TELANGANA

SB ORGANICS LTD

FACTORY ADDRESS :

Unit-1, Survey No. 352 & 353,
Chandapur Village Hathnora Mandal,
Sangareddy District, Telangana State
Pin Code : 502298, INDIA

REGISTERED OFFICE :

S B ORGANICS LTD
H.NO 28-206 H.L.G.
PLOT NO 206
BHEL EXECUTIVES CO OPERATIVE SOCIETY LTD.
MADHAV NAGAR HIG COLONY
RAMACHANDRAPURAM 502032
CELL NO: 7207021808
Email: avi@sborganicsltd.com
SANGAREDDY DIST, TELANGANA STATE, INDIA



HETERO LABS LIMITED

Hetero Corporate, 7-2-A2, Industrial Estates, Sarath Nagar, Hyderabad-500 018, Telangana, INDIA.
Tel: 01-40-23704923/24/25, Fax: 01-40-23704926, 23714250
E-mail: contact@heterodrugs.com URL: <http://www.heterodrugs.com>
CIN: U24101TG1989PLC009723

Hyderabad

Date: 30-06-2024.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **HITESH RAJ MANDAL** is a bonafide student of **ADITYA PHARMACY COLLEGE**. And he/she has undergone Industrial Training in our organization from **21-05-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B.PHARMACY** course bearing Hall Ticket no-**213G1R0048**.

During the training period he/ she had interacted with has undergone internship programme at our **R&D and QA & QC Department** and acquired basic knowledge in these areas.

During this aforesaid period, we found him/her hardworking, sincere and learning attitude.

We wish him all the best in his future endeavors.

With the best wishes

From Hetero Labs Limited – R&D


Managing Director R&D




Assistant manager

PRINCIPAL
Aditya Pharmacy College
RAJAMPALAM 525 015

TEAM

Labs and Consultants

Registered Office : B-115, 116, 117 & 509, Annapurna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038
Ph : (O) 040-23748555, 23748616, Fax : 040-23748686, Email : teamlabs@gmail.com

Branch Office : # 24-4-11, Darul Fateh Building, 1st Floor, Harbour Road, Visakhapatnam-530 001.
Ph : (O) 0891-2748699, Cell : 9849033397, E-mail : teamlabsvizag@gmail.com

TO WHOMSOEVER MAY CONCERN

Date: 21/06/2024

This is to certify that Ms. KARRI LAKSHMI KSHEERAJA, Roll No: 213G1R0049 is a Bona fide student of ADITYA PHARMACY COLLEGE, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfillment of the B. Pharmacy course.

During the training period she had interacted with all Lab Analysis, Micro Biology and R&D Departments and gained basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hardworking and having a learning attitude.

For Team Labs and Consultants,



PRINCIPAL
Aditya Pharmacy College
SURAMPalem 533 437



HETERO LABS LIMITED

Hetero Labs Limited, F-2, A2, Residential Estates, Secoti Nagar, Hyderabad-500 016, Telangana, India.
Tel: 91-40-23704923/24/25, Fax: 91-40-23704926, 23704250
E-mail: contact@heterolabs.com URL: <http://www.heterolabs.com>
CIN: U74807TG08919C009723

Hyderabad

Date: 21-06-2024.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Miss. PAMPANA SNEHALATHA is a bonafide student of **ADITYA PHARMACY COLLEGE**. And she has undergone Industrial Training in our organization from **21-05-2024 to 21-06-2024**, as part of partial fulfillment of his/her **B. PHARMACY** course bearing Hall Ticket no-213G1R0051.

During the training period he/ she had interacted with has undergone internship programme at our **R&D and QA & QC Department** and acquired basic knowledge in these areas.

During this aforesaid period, we found him/her hardworking, sincere and learning attitude.

We wish her all the best in his future endeavors.

With the best wishes

From Hetero Labs Limited – R&D


Managing Director - R&D




Assistant Manager

Aditya Pharmacy College
SURAMPALAM 533 437



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company
GMP Certified Laboratory



GST NO: 36CKIPS3B42Q1ZA

Ref No: SPL/ITC/25/136

30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. PITHANI MONIKA is a bonafide student of ADITYA PHARMACY COLLEGE and she has undergone Industrial Training in our organization from 21-05-2024 TO 30-06-2024, as part of partial fulfillment of her B. Pharmacy course bearing Hall Ticket no- 213GIR0052.

During the training period she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found her hardworking, sincere and learning attitude.

FROM SURA PHARMA LABS



Miss. Ascha

Admin Incharge



PRINCIPAL
Aditya Pharmacy College
CHIRAMPALAM 533 437



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company

GMP Certified Laboratory

GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/885

30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **PONNADA SUPRIYA** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing Hall Ticket No.- **213G1R0053**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature

Ms. Nithya Kantara

Admin Incharge



PRINCIPAL
Aditya Pharmacy College
Srirampalem 533 437



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company

GMP Certified Laboratory

GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/870



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss, **PUDI HEMANTH KUMAR** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024** to **30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing **Hall Ticket No.- 213G1R0054**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him / her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature



Mr. SURESH K. ANTON

Admin Incharge




PRINCIPAL
Aditya Pharmacy College
CIDAMPAL EM 521 411



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company

GMP Certified Laboratory

GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/881



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **PUTTA SAI SOWMYA** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing **Hall Ticket No.- 213G1R0055**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature

Ms. Nikita Samantara

Admin Incharge




PRINCIPAL
Aditya Pharmacy College
CHITAMPALAM 533 437



SURA PHARMA LABS

An ISO 9001:2015 Certified Company
GMP Certified Laboratory
GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/866



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **SATHI RUPA SRI SAI MAHALAXMI** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing **Hall Ticket No.- 213GIR0089**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas,

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature

Ms. **Smita Anjum**

Admin Incharge



Aditya Pharmacy College
CHIRAMPALAM 533 437

Date: 21st June 2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. Shilvani Kumari, B.Pharmacy, Roll No. 213G1R0091**, student of Aditya Pharmacy College, E.G. District, Andhra Pradesh, had successfully completed her industrial vocational training for a period of 1 month from 20th May 2024 to 20th June 2024.

During training covered Manufacturing process of Tablets, Capsules and Dry Powder injections, Quality Control and Quality Assurance systems also covered at our Pharmaceutical facility of M/s. Aurobindo Pharma Ltd., Unit-VI located at Chitkul village, Sangareddy Dist, Telangana.

During the Industrial Vocational Training we found her committed, hardworking personality and sincere. We wish her all the very best in her future endeavours.

For AUROBINDO PHARMA LIMITED


D Naga Pavan Kumar

Dy. Manager - HR


PRINCIPAL
Aditya Pharmacy College
CHITKUL VILLAGE, SANGAREDDY DIST, TELANGANA - 500032

CIN : L24239TG1986PLC015190

AUROBINDO PHARMA LIMITED

PAN No. AABCA7356H

Corp. Off : Galaxy, Floors: 22-24, Plot No. 1, Survey No. 63/1, Hyderabad Knowledge City, Raidurg Panmaktha, Ranga Reddy District, Hyderabad - 500 032, Telangana, India.
Tel: +91 40 6672 5000 / 66721200 Fax: +91 40 6707 4044,
Regd. Off.: Plot No. 2, Muthunihar, Ameerpet, Hyderabad - 500 038, Telangana, India, Tel: +91 402373 6370 / 2374 7340 Fax: + 91 40 2374 1080 / 2374 6833
Email : info@aurobindo.com Website : www.aurobindo.com



SURA PHARMA LABS

An ISO 9001:2015 Certified Company

GMP Certified Laboratory

GST NO: 36CKIPS084201ZA



Ref No: SPL/ITC/24/884

17-06-2024

30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **SUBHA SABDAKAR** is a bonafide student of **ADITYA PHARMACY COLLEGE** and has/she has undergone Industrial Training in our organization from **21-5-2024** to **30-06-2024**, as part of partial fulfillment of his/her B. Pharmacy course bearing Hall Ticket No.- **213G1R0092**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Author's Signature



Ms. Subha Sabdakar

Admin Incharge



Principal

Aditya Pharmacy College
SURAMPALAM-533 437

Date: 21st June 2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Subham Mondal, B.Pharmacy, Roll No. 213G1R0093**, student of Aditya Pharmacy College, E.G. District, Andhra Pradesh, had successfully completed his industrial vocational training for a period of 1 month from 20th May 2024 to 20th June 2024.

During training covered Manufacturing process of Tablets, Capsules and Dry Powder injections, Quality Control and Quality Assurance systems also covered at our Pharmaceutical facility of M/s. Aurobindo Pharma Ltd., Unit-VI located at Chitkul village, Sangareddy Dist, Telangana.

During the Industrial Vocational Training we found him committed, hardworking personality and sincere. We wish him all the very best in his future endeavours.

For AUROBINDO PHARMA LIMITED


D Naga Ravan Kumar

Dy. Manager – HR


PRINCIPAL
Aditya Pharmacy College
CHITKUL AMPALEM 533 437



Date: 21st June 2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Subhamoy Tewary, B.Pharmacy, Roll No. 213G1R0094**, student of Aditya Pharmacy College, E.G. District, Andhra Pradesh, had successfully completed his industrial vocational training for a period of 1 month from 20th May 2024 to 20th June 2024.

During training covered Manufacturing process of Tablets, Capsules and Dry Powder injections, Quality Control and Quality Assurance systems also covered at our Pharmaceutical facility of M/s. Aurobindo Pharma Ltd., Unit-VI located at Chitkul village, Sangareddy Dist, Telangana.

During the Industrial Vocational Training we found him committed, hardworking personality and sincere. We wish him all the very best in his future endeavours.

For AUROBINDO PHARMA LIMITED

D Naga Pavan Kumar

Dy. Manager - HR


PRINCIPAL
Aditya Pharmacy Col.,
CHITKUL VILLAGE, SANGAREDDY DIST, TELANGANA 503143



HETERO LABS LIMITED

Hetero Corporate", 7-2-A2, Industrial Estates, Sarath Nagar, Hyderabad-500 016, Telangana, INDIA.
Tel: 91-40-23704823/24/25, Fax: 91-40-23704826, 23714250
E-mail: contact@heterodrugs.com URL: <http://www.heterodrugs.com>
CIN: U24110TG1989PLC009723

Hyderabad

Date: 21-06-2024.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Miss. SUVVANA DEVI is a bonafide student of ADITYA PHARMACY COLLEGE . And she has undergone Industrial Training in our organization from 21-05-2024 to 21-06-2024, as part of partial fulfillment of his/her B. PHARMACY course bearing Hall Ticket no-213G1R0095.

During the training period he/ she had interacted with has undergone internship programme at our R&D and QA & QC Department and acquired basic knowledge in these areas.

During this aforesaid period, we found him/her hardworking, sincere and learning attitude.

We wish her all the best in his future endeavors.

With the best wishes

From Hetero Labs Limited – R&D


Managing Director - R&D




PRINCIPAL
Aditya Pharmacy College
C-119, MPDA EM 532 A37
Assistant Manager



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company
GMP Certified Laboratory
GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/JTC/24/873



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **GOPI NAGA SAI SANDEEP** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing Hall Ticket No.- **213G1R0096**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature



Ms. S. Anjum

Admin Incharge




Aditya Pharmacy College
SIJRAMPALM-533 437



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company
GMP Certified Laboratory



GST NO: 36CKIPS3842G1ZA

Ref No: SPL/ITC/25/137

30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. PATHIKA HARITHA is a bonafide student of ADITYA PHARMACY COLLEGE and she has undergone Industrial Training in our organization from 21-05-2024 TO 30-06-2024, as part of partial fulfillment of her B. Pharmacy course bearing Hall Ticket no- 213G1R0097.

During the training period she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found her hardworking, sincere and learning attitude.

FR
SURA PHARMA LABS
Aseha
OSNR, HYD.

Miss, N. Aneeta

Admin Incharge



Principal

Aditya Pharmacy College
CHITAMPALAM 533 437



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company

GMP Certified Laboratory

GST NO. 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/869



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss, **VISWANADUNI UDAY** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfillment of his/her **B. Pharmacy** course bearing Hall Ticket No.- **215GIR0098**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature



Ms. S. S. H. A. A. A.

Admin Incharge



PRINCIPAL
Aditya Pharmacy College
SIRAMPALEM-533 437

#401, 4th Floor, SS Towers, Beside Kamala Hospital Lane, Dilsukhnagar,
Hyderabad - 500 060, Telangana, India.

E-mail : surapharmalabs@gmail.com | www.suralabs.net | Tel: 040-4017 5392, 995 1919 887.

27th Dec, 2020TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Maparathi Vamsi** S/o Maparathi Srinivasarao vide **Reg. No. 173G1R0087** student of B Pharmacy from Aditya Pharmacy College, Affiliated to JNTU Kakinada, underwent an Industrial Training in PharmaZell (Vizag) Private Limited from 26th Nov. 2020 to 27th Dec. 2020 under the guidance of Dr. Sridhar Pratha, Principal Scientist-API R&D.

In this due course of time his conduct was found satisfactory.

We wish him all the best in all his future endeavors.

Yours faithfully,
for PharmaZell (Vizag) Private Limited.

Appa Rao Suryadevara
General Manager - HR & Administration




PRINCIPAL
Aditya Pharmacy College
SURAMPALAM-533 437



BELL
Pharmaceuticals
Leading you to Better Health

www.bellpharma.in

Date :

Date: 01-07-2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that GRANDHI LAKSHMI VAISHNAVI is a bonafide student of ADITYA PHARMACY COLLEGE, E.G. District, Andhra Pradesh, has undergone industrial training work in our organization from 1st June 2023 to 30th June 2023, as a part of fulfillment of her B. Pharmacy Course bearing H.T. No:203G1R0025.

During the training period she had interacted with Quality control, Quality Assurance, and production Departments in charges and acquired basic knowledge in these areas.

During the aforesaid period, we found her to be hard working, punctual & sincere. We wish her all the best for her future endeavors.

We wish her bright future

For BELL PHARMACEUTICALS

AUTHORIZED SIGNATURE



PRINCIPAL
Aditya Pharmacy College
SURAMPALAM 533 470



BELL
Pharmaceuticals
Leading you to Better Health

www.bellpharma.in

Date _____

Date: 01-07-2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that KEDARISETTI NAGA SAI SATYA KUMAR is a candidate student of ADITYA PHARMACY COLLEGE, E.G. District, Andhra Pradesh, has undergone industrial training work in our organization from 1st June 2022 to 30th June 2023, as a part of fulfillment of her B. Pharmacy Course Bearing H.T. No:203G1R0039.

During the training period she had interacted with Quality control, Quality Assurance, and production Departments in charges and acquired basic knowledge in these areas.

During the aforesaid period, we found her to be hard working, punctual & sincere. We wish her all the best for her future endeavors.

We wish her bright future.

For BELL PHARMACEUTICALS

AUTHORIZED SIGNATURE



PRINCIPAL
Aditya Pharmacy College
SIRAMPALAM 533 437

TYCHE INDUSTRIES LIMITED

CIN : L72300AP1998 PLC 029003
Ref no. Tyche /IBI/2024



Date: 01.06.2024

INTERSHIP COMPLETION CERTIFICATE

This is to certify that Ms.S Leelavathi, bearing Roll no.203G1R0056 a student of Aditya pharmacy college, Peddapuram studying B Pharmacy has completed her intership at Kakimada plant during the period from 01.05.2024 to 31.05.2024.

During the period of her Training, she was found sincere, regular and hard working.

For TYCHE INDUSTRIES LIMITED,

G.S.N.Murthy
Dy.Manager (HR)



Principal

Aditya Pharmacy College

FACTORY : D.No. 6/293, SARPAVARM, KAKIMADA - 533 005, A.P. INDIA.
Phone : PDX 2375841, 2375842, Fax : 0884 - 2541510, E-mail : tyche@tycheindustries.com

2024/7/2 16:58

REF:BPL/IT/ADP-KKD/009

Date: 16-06-2016

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Miss. **KARRI SAI MAHESWARI** is a bonafide student of **ADITYA PHARMACY COLLEGE, ADB Road, Aditya Nagar, Surampalem, Peddapuram, East Godavari Dist., Andhra Pradesh** She has undergone industrial training in our organization from 16 May 2016 to 16 June 2016, as part of partial fulfillment of her B. Pharmacy course bearing Hall Ticket No. **133G1R0072**.

During the training period she had interacted with Quality control, Quality Assurance & Production Departments Incharges and acquired basic knowledge in these areas.

During this aforesaid period, we found her hardworking, sincere and learning attitude.

We Wish Them A Bright Future.



PRINCIPAL
Aditya Pharmacy Col.,
SURAMPALAM 533 470



BELL
Pharmaceuticals
Leading you to Better Health

www.bellpharma.in

Date

Date: 01-07-2023

TO WHOM SO EVER IT MAY CONCERN

THE UNDERSIGNED, **SANA NAGA SATISH,** is a bonafide student of ADITYA PHARMACY COLLEGE, U.T. District, Andhra Pradesh, has undergone industrial training work in our organization, from 1st June 2023 to 30th June 2023, as a part of fulfillment of her B Pharmacy Course bearing H.T. No:203G1R0069

During the training period she had interacted with Quality control, Quality Assurance, and production Departments in charges and acquired basic knowledge in these areas.

During the aforesaid period, we found her to be hard working, punctual & sincere. We wish her all the best for her future endeavors.

We wish her bright future

For BELL PHARMACEUTICALS

AUTHORIZED SIGNATURE



PRINCIPAL
Aditya Pharmacy College
SIRAMPALAM 502201



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Pharmaceuticals
Leading you to Better Health

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Date

Date: 01-07-2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **NAMBALLA BHARGAVI**, is a bonafide student of ADITYA PHARMACY COLLEGE, U. G. District, Andhra Pradesh, has undergone industrial training work in our organization from 1st June 2023 to 30th June 2023, as a part of fulfillment of her B. Pharmacy Course bearing ILL No: 203GIR0049.

During the training period she had interacted with Quality control, Quality Assurance, and production Departments in charges and acquired basic knowledge in these areas.

During the aforesaid period, we found her to be hard working, punctual & sincere. We wish her all the best for her future endeavors.

We wish her bright future

For BELL PHARMACEUTICALS

AUTHORIZED SIGNATURE



PRINCIPAL
Aditya Pharmacy Col. & R
CHIDAMPALAM 533 437



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Pharmaceuticals
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www.bellpharma.in

Date :

Date: 01-07-2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that GUNNAM SARANYA, is a bonafide student of ADITYA PHARMACY COLLEGE, E.G. District, Andhra Pradesh, has undergone industrial training work in our organization from 1st June 2023 to 30th June 2023, as a part of fulfillment of her B. Pharmacy Course bearing H.T. No:203G1R0028.

During the training period she had interacted with Quality control, Quality Assurance, and production Departments in charges and acquired basic knowledge in these areas.

During the aforesaid period, we found her to be hard working, punctual & sincere. We wish her all the best for her future endeavors.

We wish her bright future

For BELL PHARMACEUTICALS

AUTHORIZED SIGNATURE



PRINCIPAL
Aditya Pharmacy Col.,-28
SIRAMPALAM 533 437

Course Completion CERTIFICATE

This certificate is presented to

Immidisetti Tejaswini

has successfully completed

Medical Coding from December to January 2024

course from Skill Dunia in association with E-Cell IIT Hyderabad

5/2/2024

Completed Date


Authorised by



HETERO LABS LIMITED

Hetero Corporate, 7-2-A2, Industrial Estates, Sarath Nagar, Hyderabad-500 018, Telangana, INDIA.
Tel: 91-40-23704923/24/25, Fax: 91-40-23704926, 23704250
E-mail: contact@heterodrugs.com URL: <http://www.heterodrugs.com>
CIN: U24110TO1989PLC009723

Hyderabad

Date: 21-06-2024.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Miss. MATTE LAKSHMI LAVANYA is a bonafide student of ADITYA PHARMACY COLLEGE. And she has undergone Industrial Training in our organization from 21-05-2024 to 21-06-2024, as part of partial fulfillment of his/her B. PHARMACY course bearing Hall Ticket no-223G5R0001

During the training period he/ she had interacted with has undergone internship programme at our R&D and QA & QC Department and acquired basic knowledge in these areas,

During this aforesaid period, we found him/her hardworking, sincere and learning attitude.

We wish her all the best in his future endeavors.

With the best wishes

From Hetero Labs Limited - R&D

Managing Director - R&D

Assistant Manager



PRINCIPAL

Aditya Pharmacy College
SURAMPalem-533 437



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telangana, India.
Phone - 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. AKULA NEELA VENKATA SAI SANDHYA, Roll No 213GIR0002 is a Bonafide student of ADITYA PHARMACY COLLEGE, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,



General Manager - HR & Admin



PRINCIPAL

Aditya Pharmacy College
RAJAMPALAM-533 437



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telanagana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. BANDISURI SAHEEDA BEGAM**, Roll No.: **213G1R0006** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,


JSS Ramayya

General Manager – HR & Admin




PRINCIPAL
Aditya Pharmacy College
CHITAMPALAM 533 437



Date: 22nd June 2024

TO WHOM IT MAY CONCERN

This is to certify that **Ms. Ambati Chakra Jyothi** D/o Ambati Rambabu student of Bachelor of Pharmacy from Aditya Pharmacy College, Surampalem, has successfully completed Internship programme from 22 May, 2024 to 21 June, 2024 at **Metrochem API Pvt Ltd, Unit-IV, Visakhapatnam.**

During the period of Internship programme with us she was found punctual, hardworking and inquisitive.

We wish her all success.

For Metrochem API Pvt.Ltd


22/06/2024


Rajesh Karicherla
Associate Vice President
Corporate Human Resources




PRINCIPAL
Aditya Pharmacy College
SURAMPALAM 533 437

TEAM

Labs and Consultants

Registered Office : B-115, 116, 117 & 509, Annapurna Block, Aditya Enclave, Ameerpet, Hyderabad - 530038.
Ph. : (O) 040-23748555, 23748616, Fax : 040-23748666, Email : teamlabs@gmail.com

Branch Office : # 24-4-11, Darul Fateh Building, 1st Floor, Harbour Road, Visakhapatnam-530 001.
Ph. : (O) 0891-2748699, Cell : 9849033397, E-mail : teamlabsvizag@gmail.com

TO WHOMSOEVER MAY CONCERN

Date: 21/06/2024

This is to certify that Ms. MADAVARAPU RAMALAKSHMI, Roll No: 213G1R0034 is a Bona fide student of ADITYA PHARMACY COLLEGE, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfillment of the B. Pharmacy course.

During the training period she had interacted with all Lab Analysis, Micro Biology and R&D departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hardworking and having a learning attitude.

For Team Labs and Consultants,




PRINCIPAL
Aditya Pharmacy College
CHITAMPALAM 533 437

(ENGINEERS & CONSULTANTS IN POLLUTION CONTROL)

NABL Accredited Laboratory

Laboratory Recognised by Ministry Environment, Forests and Climate Change, Govt. New Delhi

EIA Consultancy Accredited by NASET Quality Council of India



Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. BEEDAM ASHA** bearing Regd No.: **213G1R0007** is a student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, has undergone industrial training in our premises for a period of one month, i.e: 21-05-2024 to 21-06-2024.

During the training period she had interested with Quality control & QA Departments and acquired basic knowledge in these areas. During above mentioned period we observed that she is sincere and hard working.

For S,B Organics Limited



SB ORGANICS LTD

FACTORY ADDRESS :

Unit-1, Survey No. 352 & 353,
Chandapur Village Hathnora Mandal,
Sangareddy District, Telangana State
Pin Code : 502298, INDIA



ADITYA PHARMACY COLLEGE
CITY AMPALEM 533 437

REGISTERED OFFICE :

S B ORGANICS LTD
H.NO 28-206 H.L.G
PLOT NO 205
BHEL EXECUTIVES CO-OPERATIVE SOCIETY LTD
MAHAVI NAGAR HIG COLONY
RAMACHANDRAPURAM 502032
CELL NO: 7207021608
Email: hr@sborganicsltd.com
SANGAREDDY DIST. TELANGANA STATE, INDIA



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telangana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. BONDU MOTHER THERESSA**, Roll No.: **213G1R0008** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,



JSS Ramayya

General Manager – HR & Admin



PRINCIPAL
Aditya Pharmacy Col. &
SANGAREDDY 502 296

2

✓

CHIKATI SIVUNaidu

SHINJI TRAI

05/09/2025



chris

145 fm

20-2-2018

Mr. S. S. Adams and Mr. B. Adams
 and Mr. H. Adams
 and Mr. J. Adams and Mr. K. Adams



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telanagana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. CHINNI VEERA VENKATA MALLESWARI**, Roll No.: **213G1R0010** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,



JSS Ramayya

General Manager – HR & Admin



PRINCIPAL
Aditya Pharmacy College
SANGAREDDY DIST. 502 296



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telangana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOMSOEVER MAY CONCERN

This is to certify that **Ms. CHINTA ALEKHYA**, Roll No.: **213G1R0011** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,


JSS Ramayya


General Manager – HR & Admin




PRINCIPAL
Aditya Pharmacy College
SURAMPALAM 533 437



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telanagana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. CHINTA JAYA SIVA SWAROOP**, Roll No.: **213G1R0012** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period he had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found him to be sincere, hard working and having a learning attitude.

For Arch-Pharmalabs Limited,



JSS Ramayya

General Manager – HR & Admin




PRINCIPAL
Aditya Pharmacy College
SIRAMPALAM 533 437



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamarthi Village, Hathnora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telangana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. **CHIRRA MARGREAT HELEENA**, Roll No.: **213GIR0013** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,


JSS Ramayya

General Manager – HR & Admin




PRINCIPAL
Aditya Pharmacy College
SURAMPALAM 533 437



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telangana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. CHITNEEDI LAKSHMI GEETHIKA**, Roll No.: **213G1R0014** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,


JSS Ramayya
JSS Ramayya

General Manager – HR & Admin




PRINCIPAL

Aditya Pharmacy Col. + 3*
SIRAMPALAM 533 037



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telangana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. DODDA LIKHITHA**, Roll No.: **213G1R0016** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,



JSS Ramayya

General Manager - HR & Admin



PRINCIPAL
Aditya Pharmacy College
SANGAREDDY 502 296



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telangana, India.
Phone ; 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. DOKKADI KEERTHANA SRUJANI**, Roll No.: **213GIR0017** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharnalabs Limited,


JSS Ramayya

General Manager – HR & Admin





Aditya Pharmacy College
SURAMPALEM 533 437



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telanagana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. GADA VANDANA**, Roll No.: **213G1R0018** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,



JSS Ramayya
JSS Ramayya

General Manager – HR & Admin



PRINCIPAL
Aditya Pharmacy College
Eluru, Andhra Pradesh



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telanagana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. GEDELA AJAY SAI**, Roll No.: **213G1R0020** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period he had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found him to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,



JSS Ramayya

General Manager – HR & Admin



Aditya Pharmacy College
SANGAREDDY 533 437



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnootra Mandal, Ismailkhampet,
Sangareddy Dist. - 502 296, Telangana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. GOLLAPALLI CHANDRA SHEKHAR, Roll No: 213G1R0021 is a Bonafide student of ADITYA PHARMACY COLLEGE, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period he had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found him to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,



General Manager - HR & Admin



Aditya Pharmacy Col. - 2
ELURAM PALEM 533 437

Regd. Office : 3 Floor, Titanic Building, Chandivali Farm Road, Near HDEC Bank, Andheri East, Mumbai - 400 072, Maharashtra, India
Tel : +91-22-4287 1237 / 1208, +91-22-4287 1285 • E-mail : info@archpharmalabs.com • www.archpharmalabs.com



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telanagana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. GOMPA SANDHYA**, Roll No.: **213G1R0022** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,


JSS Ramayya

General Manager – HR & Admin




Aditya Pharmacy College
SIRAMPALAM 605 122



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 296, Telanagana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOMSOEVER MAY CONCERN

This is to certify that **Ms. GOPA MEENAKSHI**, Roll No.: **213G1R0023** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,



JSS Ramayya

General Manager – HR & Admin



Aditya Pharmacy College
SURAMPALAM 533 444



ARCH PHARMALABS LIMITED

Survey No. 323, Gundlamachnoor Village, Hathnoora Mandal, Ismailkhanpet,
Sangareddy Dist. - 502 298, Telanagana, India.
Phone : 099484 88240 / 241 / 242

Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. JALAGADUGULA JAYA SREE**, Roll No.: **213G1R0025** is a Bonafide student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, had undergone industrial training in our organization from 21-05-2024 to 21-06-2024 as a part of partial fulfilment of the B.Pharmacy course.

During the training period she had interacted with all Production, Quality control and R&D Departments and acquired basic knowledge in these areas.

During the aforesaid period we found her to be sincere, hard working and having a learning attitude.

For Arch Pharmalabs Limited,


JSS Ramayya

General Manager – HR & Admin




PRINCIPAL
Aditya Pharmacy College
SITAMPALAM



SURA PHARMA LABS

An ISO 9001:2015 Certified Company

GMP Certified Laboratory

GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/875



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **R V ROHAN REDDY CHINTAPALLI** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing **Hall Ticket No.- 213G1R0056**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature

Ms. **SAI SIVA ANJAN**

Admin Incharge




PRINCIPAL
Aditya Pharmacy Col.
SIRAMPALM 533 437



Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. RELANGI LALI MUTYA NANDINI** bearing Regd No.: **213G1R0057** is a student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, has undergone industrial training in our premises for a period of one month. i.e: 20-05-2024 to 20-06-2024.

During the training period she had interested with Quality control & QA Departments and acquired basic knowledge in these areas. During above mentioned period we observed that she is sincere and hard working.

For S.B Organics Limited



Manager – HR

SB ORGANICS LTD

FACTORY ADDRESS :

Unit-1, Survey No. 352 & 353,
Chandapur Village Hathnora Mandal,
Sangareddy District, Telangana State
Pin Code : 502296,INDIA



PRINCIPAL
Aditya Pharmacy College
C/19 AMPAL, EM 517

REGISTERED OFFICE :

S B ORGANICS LTD
H.NO 28-208.H.L.G
PLOT NO 206
BHEL EXECUTIVES CO OPERATIVE SOCIETY LTD.
MADHAV NAGAR HIG COLONY
RAMACHANDRAPURAM 502032
CELL NO- 7267021608
Email: nvi@sborganicsltd.com
SANGAREDDY DIST, TELANGANA STATE, INDIA



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company

GMP Certified Laboratory

GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/871



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **SAMPATIRAO YASWANTH** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing **Hall Ticket No.- 213G1R0059**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorised Signature



Ms. Shaili Sagar Anjum

Admin Incharge



[Handwritten signature]

PRINCIPAL

Aditya Pharmacy College

SIRAMPALAM 533 437



Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. SEELAM SIVAMANI** bearing Regd No.: **213G1R0060** is a student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, has undergone industrial training in our premises for a period of one month, i.e: 21-05-2024 to 21-06-2024.

During the training period he had interested with Quality control & QA Departments and acquired basic knowledge in these areas. During above mentioned period we observed that he is sincere and hard working.

For S.B. Organics Limited



Manager




PRINCIPAL
Aditya Pharmacy College
SIRAMPALM KY

SB ORGANICS LTD

FACTORY ADDRESS :

Unit-1, Survey No. 352 & 353,
Chandapur Village Hathnoora Mandal,
Sangareddy District, Telangana State
Pin Code: 502298, INDIA

REGISTERED OFFICE :

S B ORGANICS LTD
H.NO 28-205, H.L.G
PLOT NO 208
BHEL EXECUTIVES CO OPERATIVE SOCIETY LTD,
MADHAV NAGAR HIG COLONY
RAMACHANDRAPURAM 502032
CELL NO: 7207021608
Email: ravi@sborganicsltd.com
SANGAREDDY DIST, TELANGANA STATE, INDIA

CIN No.: U24239DL2002PTC115402



R.P.L. (India) Pharmaceuticals Pvt. Ltd.
(PHARMACEUTICAL MANUFACTURED & EXPORTER)

Works : D-8/6, Okhla Industrial Area, Phase - 1, New Delhi - 110020
Phone : 26371400, 26371600, Fax : +91 11 26371800 E-mail : rpl_india@yahoo.com

25.05.2025

TO WHOM SO EVER IT MAY CONCERN

This is to certify Shaik Faisal Iqbal student of B pharma with register No. 213G1R0061 at JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA-533003 has completed his training in our company M/s R.P.L. (INDIA) Pharmaceuticals Pvt. Ltd. D-8/6 & d-8/6, Okhla Industrial Area Phase-1, New Delhi-11020, under the Tablet Section (General & Beta-Lactam) from 23rd April 2025 to 20th May 2025 for 150 hours.

During this period, he underwent training for the handling and testing of Raw materials and Finished Dosages of Products in our QC department & also assisted in our Production Department. His conduct and working were found to be exceptionally good and satisfactory. We wish him every success in his future career.

For R.P.L. (India) Pharmaceuticals Pvt. Ltd.


Authorized Signatory




PRINCIPAL
Aditya Pharmacy College
TIRUMAPALEM 533 437



HETERO LABS LIMITED

Hetero Corporate, 7-2-A2, Industrial Estates, Gachibowli, Hyderabad-500 012, Telangana, INDIA
Tel: 01-40-23704023/24/25, Fax: 01-40-23704026, 23714260
E-mail: contact@heterodrugs.com URL: <http://www.heterodrugs.com>
CIN: U24105TG1988PLC000773

Hyderabad

Date: 21-06-2024.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Miss. S. SRIYA AKANKSHA** is a bonafide student of **ADITYA PHARMACY COLLEGE**. And she has undergone Industrial Training in our organization from **21-05-2024 to 21-06-2024**, as part of partial fulfillment of his/her **B. PHARMACY** course bearing Hall Ticket no-**213G1R0062**.

During the training period he/ she had interacted with has undergone internship programme at our **R&D and QA & QC Department** and acquired basic knowledge in these areas.

During this aforesaid period, we found him/her hardworking, sincere and learning attitude.

We wish her all the best in his future endeavors.

With the best wishes

From Hetero Labs Limited – R&D

Managing Director - r&d



Principal
Aditya Pharmacy College
Chittoor, Andhra Pradesh 520 001
Assistant manager



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company
GMP Certified Laboratory
GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/864



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. SUPRIYA KAKI is a bonafide student of ADITYA PHARMACY COLLEGE and he/she has undergone Industrial Training in our organization from 21-5-2024 to 30-06-2024, as part of partial fulfilment of his/her B. Pharmacy course bearing Hall Ticket No.- 213G1R0064.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature

Ms. Shashi Sana Anjum

Admin Incharge



PRINCIPAL
Aditya Pharmacy College
SIJAMPALAM 533 411



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GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/887



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **SURNI SIRISHA** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing Hall Ticket No.- **213GIR0065**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature

Ms. **Shruti Subhantara**

Admin Incharge



Aditya Pharmacy College
SURAMPALEM



Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. TETALA SRI AMRUTHA VARSHINI** bearing Regd No.: **213GIR0066** is a student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, has undergone industrial training in our premises for a period of one month, i.e: 21-05-2024 to 21-06-2024.

During the training period she had interested with Quality control & QA Departments and acquired basic knowledge in these areas. During above mentioned period we observed that she is sincere and hard working.

For **SB Organics Limited**



PRINCIPAL
Aditya Pharmacy College
SURAMPALEM 533 102

SB ORGANICS LTD

FACTORY ADDRESS

Unit-1, Survey No. 352 & 353,
Chandapur Village Hathnora Mandal,
Sangareddy District, Telangana State
Pin Code : 502295, INDIA

REGISTERED OFFICE

S B ORGANICS LTD
H.NO 28-206 H.L.G
PLOT NO 206
BHEL EXECUTIVES CO OPERATIVE SOCIETY LTD
MADHAV NAGAR HIG COLONY
RAMACHANDRAPURAM 502032
CELL NO: 7207021808
Email: sborganicsltd@gmail.com
SANGAREDDY DIST, TELANGANA STATE, INDIA



Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. TETALI PRASANNA** bearing Regd No.: **213G1R0067** is a student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, has undergone industrial training in our premises for a period of one month. i.e: 21-05-2024 to 21-06-2024.

During the training period she had interested with Quality control & QA Departments and acquired basic knowledge in these areas. During above mentioned period we observed that she is sincere and hard working.

For **SB ORGANICS LTD** Limited

Manager



[Handwritten signature in green ink]

Aditya Pharmacy College
SURAMPALEM 533 437

SB ORGANICS LTD

FACTORY ADDRESS :

Unit-1, Survey No. 352 & 353,
Chandapur Village Hathnora Mandal,
Sangareddy District, Telangana State
Pin Code : 502298, INDIA

REGISTERED OFFICE :

S B ORGANICS LTD
H.NO 28-206, H.L.G
PLOT NO 206
BHEL EXECUTIVES CO OPERATIVE SOCIETY LTD
NADHAV NAGAR-HIG COLONY
RAMACHANDRAPURAM 502032
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Email: ravi@sborganicsltd.com
SANGAREDDY DIST, TELANGANA STATE, INDIA



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GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/863



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **THIRNATL JYOTHI SIVARAMYA VIJAYADURGA NAGALAKSHMI** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing **Hall Ticket No.- 213GIR0068**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature



Ms. S. Sana Anjum

Admin Incharge





PRINCIPAL

Aditya Pharmacy College
SURAMPALAM 533 437



SURA PHARMA LABS

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GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/872



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr / Miss. DENDUKURI DURGA PRASAD RAJU** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing **Hall Ticket No.- 213G1R0070**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature



Ms. Shikha Anjum

Admin Incharge



PRINCIPAL

Aditya Pharmacy College
CHIRAMPALAM 533 437



SURA PHARMA LABS

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GMP Certified Laboratory

GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/882



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **DHARANALAKOTA SATYA SYAMALA SRIJA** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing **Hall Ticket No.- 213G1R0071**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature



Ms. Nisha Samantara

Admin Incharge



PRINCIPAL

Aditya Pharmacy College
SITRAMPALAM 533 42



SURA PHARMA LABS

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GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/868



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **EDUBILLI GUNAVANTH** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024** to **30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing **Hall Ticket No.- 213G1R0072**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature

Ms. Shikha Anjum

Admin Incharge



PRINCIPAL
Aditya Pharmacy College
511000 MPAL FM 533 437



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GMP Certified Laboratory

GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/883



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **KOLA GEETHIKA SRIDEVI ISWARYA** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing Hall Ticket No.- **213G1R0073**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature



Ms. K. S. Samantara

Admin Incharge



PRINCIPAL
Aditya Pharmacy College
CHIRAMPALAM 533 437



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company
GMP Certified Laboratory
GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/865



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **SATHI SUDEEPA REDDY** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024 to 30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing **Hall Ticket No.- 213G1R0074**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature



Ms. Shalini Anjum

Admin Incharge



Principal
Aditya Pharmacy College
SURAMPALAM 533 437



Date: 21/06/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. BEERAKA SUCHITRA** bearing Regd No.: **213G1R0076** is a student of **ADITYA PHARMACY COLLEGE**, E.G. District, Andhra Pradesh, has undergone industrial training in our premises for a period of one month, i.e: 21-05-2024 to 21-06-2024.

During the training period she had interested with Quality control & QA Departments and acquired basic knowledge in these areas. During above mentioned period we observed that she is sincere and hard working.

For S.B. Organics Limited



SB ORGANICS LTD

FACTORY ADDRESS :

Unit-1, Survey No. 352 & 353,
Chandapur Village Hathnoora Mandal,
Sangareddy District, Telangana State
Pin Code : 502296,INDIA



PRINCIPAL

Aditya Pharmacy College
SANGAREDDY DIST. 533 437

REGISTERED OFFICE :

S B ORGANICS LTD
H.NO 28-206 H.L.G
PLOT NO 206
BHEL EXECUTIVES CO OPERATIVE SOCIETY LTD
MADHAV NAGAR HIG COLONY
RAMACHANDRAPURAM 502032
CELL NO. 7207021508
Email:ravi@sborganicsltd.com
SANGAREDDY DIST. TELANGANA STATE, INDIA



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GMP Certified Laboratory

GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/874



30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. / Miss. ROUTHU SAIKUMAR is a bonafide student of ADITYA PHARMACY COLLEGE and he/she has undergone Industrial Training in our organization from 21-5-2024 to 30-06-2024, as part of partial fulfilment of his/her B. Pharmacy course bearing Hall Ticket No.- 213G1R0080.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Authorized Signature



Ms. Sana Sana Anjum

Admin Incharge



PRINCIPAL

Aditya Pharmacy College
CHIRAMPALAM 533 437



HETERO LABS LIMITED

Hetero Corporate, 7-5-32, Industrial Estates, Saroornagar, Hyderabad- 500 018, Telangana, INDIA
Tel: 91-40-23764938/24/25, Fax: 91-40-23764938, 23714950
E-mail: sales@heterolabs.com URL: <http://www.heterolabs.com>
CIN: U34307TG1989PLC005723

Hyderabad

Date: 21-06-2024.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. U. LIKITHA SATISH** is a bonafide student of **ADITYA PHARMACY COLLEGE**. And she has undergone Industrial Training in our organization from **21-05-2024 to 21-06-2024**, as part of partial fulfillment of his/her **B. PHARMACY** course bearing Hall Ticket no-**213G1R0082**.

During the training period he/ she had interacted with has undergone internship programme at our **R&D and QA & QC Department** and acquired basic knowledge in these areas.

During this aforesaid period, we found him/her hardworking, sincere and learning attitude.

We wish him all the best in his future endeavors.

With the best wishes

From Hetero Labs Limited – R&D

Managing Director - r&d



Assistant manager

PRINCIPAL

Aditya Pharmacy College
NIZAMPALEM 533 437



SURA PHARMA LABS

An ISO 9001 : 2015 Certified Company

GMP Certified Laboratory

GST NO: 36CKIPS3842Q1ZA



Ref No: SPL/ITC/24/886

30-06-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr / Miss. **VEERNALA HARINI TEJA SRI** is a bonafide student of **ADITYA PHARMACY COLLEGE** and he/she has undergone Industrial Training in our organization from **21-5-2024** to **30-06-2024**, as part of partial fulfilment of his/her **B. Pharmacy** course bearing Hall Ticket No.- **213G1R0083**.

During the training period he/she had interacted with Quality control, Quality Assurance & Production departments and acquired basic knowledge in these areas.

During this aforesaid period, we found him/ her hardworking, sincere and learning attitude.

From Sura Pharma Labs

Author's Signature



Ms. R. S. Sankar

Admin Incharge



2

PRINCIPAL

Aditya Pharmacy Coll-4
CHIRAMPALEM 533 437

Date: 21st June 2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Koushik Sasmal, B.Pharmacy, Roll No. 213G1R0084**, student of Aditya Pharmacy College, E.G. District, Andhra Pradesh, had successfully completed his industrial vocational training for a period of 1 month from 20th May 2024 to 20th June 2024.

During training covered Manufacturing process of Tablets, Capsules and Dry Powder injections, Quality Control and Quality Assurance systems also covered at our Pharmaceutical facility of M/s. Aurobindo Pharma Ltd., Unit-VI located at Chitkul village, Sangareddy Dist, Telangana.

During the Industrial Vocational Training we found him committed, hardworking personality and sincere. We wish him all the very best in his future endeavours.

For AUROBINDO PHARMA LIMITED


D Naga Pavan Kumar
Dy. Manager - HR
PRINCIPAL
Aditya Pharmacy College
SIRAMPALAM 533 435

Date: 21st June 2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Sanjoy Kundu, B.Pharmacy, Roll No. 213G1R0088**, student of Aditya Pharmacy College, E.G. District, Andhra Pradesh, had successfully completed his industrial vocational training for a period of 1 month from 20th May 2024 to 20th June 2024.

During training covered Manufacturing process of Tablets, Capsules and Dry Powder injections, Quality Control and Quality Assurance systems also covered at our Pharmaceutical facility of M/s. Aurobindo Pharma Ltd., Unit-VI located at Chitkul village, Sangareddy Dist, Telangana.

During the Industrial Vocational Training we found him committed, hardworking personality and sincere. We wish him all the very best in his future endeavours.

For AUROBINDO PHARMA LIMITED



D Naga Pavan Kumar

Dy. Manager – HR



PRINCIPAL
Aditya Pharmacy College
SANGAREDDY - 533 437