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Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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### 3.5.1. Number of functional MoUs /linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year 2020-2021

S. No	Name of the MOU/ Linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MOU/ linkage	Purpose of MOU	Duration of MOU/ linkage	List the actual activities under each MOU/ Linkage and web -links year-wise	Link to the relevant document	Page No
					2020 - 2021			•
1	Maharaja institute of medical sciences, Vizianagaram	Maharaja institute of medical sciences, Vizianagaram	2020 - 2021	internship	1 years	Internship on hospital training	https://avanthipharma.a	6
2	Actimus bio	Actimus bio	2020 - 2021	internship	2 Weeks	Bioavailability & bioequivalence studies, instrumentation analysis, internship	c.in/assets/pdf/naac/3.5. 1%20SSR%202020- 2021.pdf	11
3	Galaxy CR solutions	Galaxy CR solutions	2020 - 2021	internship	2 Weeks	Internship, clinical trials, Skill based training		16
4	Star Tech Labs	Star Tech Labs	2020 - 2021	Internship	1 Month	Industrial Training Programme	PRINCIPAL	21

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5	Crystal Management Services	CMS	2020 - 2021	Student Training	2 Weeks	Training, manufacture, packing, mechanical fitting, API/bulk, lab techniques, production chemist		24
6	Sunrise	Sunrise	2020 - 2021	Student Training	3 Weeks	Firefighting and industrial safety		30
7	Vitam College of Pharmacy	Mrs.Prathyusa	2020 - 2021	Student Training	6 Days	Forensic Toxicology Techniques for Clinicians	https://avanthipharma.a c.in/assets/pdf/naac/3.5.	34
8	Srinivasa Rao	K.Swathi Associate Professor	2020 - 2021	Student Training	6 Days	Exploration of Carbohydrates from Botanical Sources to Therapeutic Potentials	1%20SSR%202020- 2021.pdf	39
8	College of Pharmacy	M. Pavani Associate Professor	2020 - 2021	Student Training	6 Days	Enhancement of Pharmaceutical Services through Medication Management		44
9	Sri Shivani College	G. Supriya	2020 - 2021	Student Training	6 Days	Principle & Practices of Pharmacovigilance	PRINCIPAL	49

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		Raj Kiran	2020 - 2021	Student Training	6 Days	Emerging Technologies in Pharmaceutical Manufacturing & Quality Assurance		54
10	Rainbow lab Pvt	Rainbow lab Pvt limited, Visakhapatna m	2020 - 2021	Student Training	3 Months	Teaching, training methodology, research and development, guest lectures, internship faculty development programs		59
10 limited, Visakhapatnam	Srinivasa Reddy	2020 - 2021	Student Training	6 Days	Advances in NMR Spectroscopy for Chemical Analysis & Molecular Characterization	https://avanthipharma.a c.in/assets/pdf/naac/3.5. 1%20SSR%202020- 2021.pdf	63	
		K.Eswar Kumar Associate Professor Department of						
11	JNT University Kakinada	Pharmacology College of Pharmaceutical sciences	2020 - 2021	Collaborat ive Research	6 years	Research Collaboration -Ph.D.		68

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12	Bundelkhand University	Dr.Shashi alok Bundelkhand University Jhansi	2020 - 2021	Collaborat ive Research	5 years	Research Collaboration -Ph.D.		69
13	JnT University Anantapur	Dr.T.S.M. Saleem Department of Pharmacology	2020 - 2021	Collaborat ive Research	5 years	Research Collaboration -Ph.D.		71
		Prof .V. Girija Sastry Department of Pharmaceutical chemistry AU College of Pharmacy - VSP	2020 - 2021	Collaborat ive Research	3 years	Research Collaboration -Ph.D.	https://avanthipharma.a c.in/assets/pdf/naac/3.5. 1%20SSR%202020- 2021.pdf	72
14	AU College of Pharmacy	Prof D. Gowri Shankar Department of Pharmaceutical analysis and Quality assurance AU College of Pharmacy – vsp	2020 - 2021	Collaborat ive Research	7 years	Research Collaboration -Ph.D.	PRINCIPAL	74

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		Prof K. V. Ramana Murthy Department of Pharmaceutical Technology AU College of Pharmacy –	2020 - 2021	Collaborat ive Research	7 years	Research Collaboration -Ph.D.		76
15	College of Pharmaceutical Sciences, Brahmapur, Mohuda	Santanu Hotta, Nadi Priyanka	2020 - 2021	Collaborat ive Research	1 year	Research Collaboration -Paper publications	https://saap.org.in/journ als/index.php/ijhcbs/arti cle/view/558	77



Principal

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Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



#### **INSTITUTE OF** PHARMACEUTICAL SCIENCES

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Web: www.avanthipharma.acin. E-mail: principalavanthit5@gmail.com principal\_t5@rediffmail.com

Dr.M.B.V.Raju M.Pharm,Ph.D PRINCIPAL

#### CERTIFICATE OF INTERNSHIP

(Doctor of Pharmacy (Pharm-D) Program)

This is to certify that Ms. GARIKIPATI MEENA UJWALA Regd No.15T51T0006 of Avanthi Institute of Pharmaceutical Sciences from 2015-2021 pursuing Doctor of Pharmacy (Pharm-D) course . She has successfully completed the Internship at the Maharaja Institute of Medical Sciences, Vizianagaram in the following Units/Departments as prescribed under regulation 16 and Appendix C of Pharm-D Regulations 2008 of Pharmacy Council of India, New Delhi.

Department	Da	Total Duration	
	From	То	(in months)
Gynecology	01-11-2020	31-12-2020	, 2
Paediatrics	01-01-2021	28-02-2021	2
Dermatology	01-03-2021	03-04-2021	2
General Medicine	01-05-2021	31-10-2021	6

Preceptor

Avanthi Institute of Pharmaceutical Sciences

CHERURUPALLY (V) CHITTIVALASA S.A.O.

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Head of the Institution

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Station:Cherukupally Date:



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From:

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#### CERTIFICATE OF INTERNSHIP

(Doctor of Pharmacy (Pharm-D) Program)

This is to certify that Mr. D V S NAGAPHANI SHARMA Regd No.15T51T0005 Of Avanthi Institute of Pharmaceutical Sciences from 2015-2021 pursuing Doctor of Pharmacy (Pharm-D) course .He has successfully completed the Internship at the Maharaja Institute of Medical Sciences, Vizianagaram in the following Units/Departments as prescribed under regulation 16 and Appendix C of Pharm-D Regulations 2008 of Pharmacy Council of India, New Delhi.

Department	D	Date				
	From	То	(in months)			
General Medicine	01-11-2020	30-04-2021	6			
Gynecology	01-05-2021	30-06-2021	2			
Paediatrics	01-07-2021	31-08-2021	2			
Dermatology	01-09-2021	31-10-2021	2			

wanthi Institute of Pharmaceutical Sciences CHERUKUPALLY (V) CHITTIVALASA S.A.O.

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From:

Dr.M.B.V.Raju M.Pharm.Ph.D PRINCIPAL

#### CERTIFICATE OF INTERNSHIP

(Doctor of Pharmacy (Pharm-D) Program)

#### This is to certify that Ms VENUTHURUPALLI ATCHUTA LAKSHMI

REETHIKA Regd No.15T51T0025 of Avanthi Institute of Pharmaceutical Sciences from 2015-2021 pursuing Doctor of Pharmacy (Pharm-D) course . She has successfully completed the Internship at the Maharaja Institute of Medical Sciences, Vizianagaram in the following Units/Departments as prescribed under regulation 16 and Appendix C of Pharm-D Regulations 2008 of Pharmacy Council of India, New Delhi.

Department	D	Total Duration	
Department	From	То ,	(in months)
General Medicine	01-11-2020	30-04-2021	6
Pediatrics	01-05-2021	30-06-2021	2
Gynecology	01-07-2021	31-08-2021	2
Dermatology	01-09-2021	31-10-2021	2

Preceptor anthi Institute of Pharmaceutical Sciences CHERUKUPALLY (V) CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist

Station: Cherukupally Date: 5/11/21

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From:

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M.Pharm,Ph.D
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#### **CERTIFICATE OF INTERNSHIP**

(Doctor of Pharmacy (Pharm-D) Program)

This is to certify that Ms SIDDILA APARNA RANI Regd No.15T51T0023 of Avanthi Institute of Pharmaceutical Sciences from 2015-2021 pursuing Doctor of Pharmacy (Pharm-D) course .She has successfully completed the Internship at the Maharaja Institute of Medical Sciences, Vizianagaram in the following Units/Departments as prescribed under regulation 16 and Appendix C of Pharm-D Regulations 2008 of Pharmacy Council of India, New Delhi.

Department	D	Date				
- sparament	From	То .	(in months)			
General Medicine	01-11-2020	30-04-2021	6			
Pediatrics	01-05-2021	30-06-2021	2			
Gynecology	01-07-2021	31-08-2021	2			
Dermatology	01-09-2021	31-10-2021	2			

Preceptor

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CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist

Station: Cherukupally Date:

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(Doctor of Pharmacy (Pharm-D) Program)

This is to certify that Ms SIRIPARAPU SNEHA LATHA Regd No.13T51T0025 of Avanthi Institute of Pharmaceutical Sciences from 2013-2021 pursuing Doctor of Pharmacy (Pharm-D) course. She has successfully completed the Internship at the Maharaja Institute of Medical Sciences, Vizianagaram in the following Units/Departments as prescribed under regulation 16 and Appendix C of Pharm-D Regulations 2008 of Pharmacy Council of India, New Delhi.

Department	Date		Total Duration		
Department	From	То	(in months)		
General Medicine	01-11-2020	30-04-2021	6		
Gynecology	01-05-2021	30-06-2021	2		
Paediatrics	01-07-2021	31-08-2021	2		
Dermatology	01-09-2021	31-10-2021	2		

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Bhogapuram (M), Vizianagaram Dist

Station: Cherukupally Date: 5/11/21

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Avanthi Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram (M) Vizianagaram (Dist.)-531 162

# ACTINUS BIO CERTIFICATE

This is to certify that Mr/Mrs/Miss:	G. MEENA UJWALA

of \_\_\_\_\_ AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

for successfully completing the training on "INSTRUMENTATION ANALYSIS" for the period of 2 WEEEKS at ACTIMUS BIO, Visakhapatnam.



# ACTIMUS BIO CERTIFICATE

This is to certi	fy that Mr/Mrs/Miss:	D V S NAGAPHANI SHARMA	
of	AVANTHI INSTITUTE	OF PHARMACEUTICAL SCIENCES	
			196

for successfully completing the training on "INSTRUMENTATION ANALYSIS" for the period of 2 WEEEKS at ACTIMUS BIO, Visakhapatnam.



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# ACTIMUS BIO CERTIFICATE

This is to	certify that Mr/Mrs/Miss:	V. ATCHUTA LAKSHMI	
			200 H
of	AVANTHI INSTITUTE OI	F PHARMACEUTICAL SCIENCES	
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for successfully completing the training on "INSTRUMENTATION ANALYSIS" for the period of 2 WEEEKS at ACTIMUS BIO, Visakhapatnam.



# ACTIMUS BIO CERTIFICATE

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of	AVANTHI INSTITUTE	OF PHARMACEUTICAL SCIE	NCES
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for successfully completing the training on "INSTRUMENTATION ANALYSIS" for the period of 2 WEEEKS at ACTIMUS BIO, Visakhapatnam.



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This is to certify that Mr/Mrs/Miss:	K. MAHESH PAVAN	19

f AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

for successfully completing the training on "INSTRUMENTATION ANALYSIS" for the period of 2 WEEEKS at ACTIMUS BIO, Visakhapatnam.



- 22/







This is to certify	that Mr/Mrs/Miss	•	Mandadi Vinod Kumar	
Of	AVANTHI INS	TITUTE OF	PHARMACEUTICAL SCIENCES	

for successfully completing the internship on "CLINICAL TRIALS" for the period of 2 WEEKS at GALAXY CLINICAL RESEARCH SERVICES, Visakhapatnam.











This is to	certify that Mr/Mrs/Miss:	Gandham Oriana Crystal
Of	AVANTHI INSTITUTE	OF PHARMACEUTICAL SCIENCES

for successfully completing the internship on "CLINICAL TRIALS" for the period of 2 WEEKS at GALAXY CLINICAL RESEARCH SERVICES, Visakhapatnam.







This is to certify	y that Mr/Mrs/Miss:	Mayuri Mercy Paul
Of	AVANTHI INSTITUTE	E OF PHARMACEUTICAL SCIENCES

for successfully completing the internship on "CLINICAL TRIALS" for the period of 2 WEEKS at GALAXY CLINICAL RESEARCH SERVICES, Visakhapatnam.





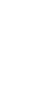






This is to certify	that Mr/Mrs/	Miss:	Madap	ú Krishna	Vamsi	
Of	AVANTHI	INSTITUTE	OF PHARN	MACEUTICA	IL SCIENCES	· · · · · · · · · · · · · · · · · · ·

for successfully completing the internship on "CLINICAL TRIALS" for the period of 2 WEEKS at GALAXY CLINICAL RESEARCH SERVICES, Visakhapatnam.





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This is to certify t	that Mr/Mrs/Miss:	Kuppili Prasanna Lakshmi	
Of	AVANTHI INSTITUT	E OF PHARMACEUTICAL SCIENCES	

for successfully completing the internship on "CLINICAL TRIALS" for the period of 2 WEEKS at GALAXY CLINICAL RESEARCH SERVICES, Visakhapatnam.







O S		oor, SMR Chambers Ph. No	LABS P 1-58/7, Madinaguda 0. +91-40-2304 1900, 19@startechlabs.com,	Hyderabad - 500 Mobile 9700971	050, Telangana, INDIA	OLNO AIPS 2	5  20
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	ace : Hyderabad de : 31. 10 • <b>2020</b>				The Carlot	Labs Pvt. S manji <b>Reddy</b> sed Signatory	



# Certificate OF COMPLETION

THIS IS TO CERTIFY THAT

### MARTHI ARJUNA

CCLLEGE NAME: AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES BHOGAPURAM

SUCCESSFULLY COMPLETED THE INTERNSHIP PROGRAMMES ON Training on Calibration of Analytical Instruments

AT CMS SKILL CENTER, DWARAKANAGAR, VISAKHAPATNAM.

FROM 13/03/2021 TO 13/04/2021

AUTHORIZED SIGNATORY CMS SHILL CENTER







OF COMPLETION

THIS IS TO CERTIFY THAT

### MEKA VAMSIKA

COLLEGE NAME: AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES BHOGAPURAM

REG NO: 17T51R0044

SUCCESSFULLY COMPLETED THE INTERNSHIP PROGRAMMES ON Training on Calibration of Analytical Instruments

AT CMS SKILL CENTER, DWARAKANAGAR, VISAKHAPATNAM.

FROM: 13/03/2021 TO: 13/04/2021

AUTHORIZED SIGNATORY CMS SKILL CENTER

REGISTERED UNDER







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THIS IS TO CERTIFY THAT

### KALISETTI HARICHANDANA

COLLEGE NAME: AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES-BHOGAPURAM REG NO: 17T51R0032 SUCCESSFULLY COMPLETED THE INTERNSHIP PROGRAMMES ON Training on Calibration of Analytical Instruments AT CMS SKILL CENTER, DWARAKANAGAR, VISAKHAPATNAM, FROM 13/03/2021 TO 13/04/2021

> AUTHORIZED SIGNATORY CMS SKILL CENTER







OF COMPLETION

THIS IS TO CERTIFY THAT

### MARLA PRUDHVI RAJ

COLLEGE NAME: AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES-BHOGAPURAM

SUCCESSFULLY COMPLETED THE INTERNSHIP PROGRAMMES ON Training on Calibration of Analytical Instruments

AT CMS SKILL CENTER. DWARAKANAGAR. VISAKHAPATNAM.

FROM 13/03/2021 TO 13/04/2021

AUTHORIZED SIGNĀTÖRY CMS SKILL CENTER PEGISTEPED LINDER







OF COMPLETION

THIS IS TO CERTIFY THAT

### VUDATA RACHANA

COLLEGE NAME: AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES-BHOGAPURAM

SUCCESSFULLY COMPLETED THE INTERNSHIP PROGRAMMES ON Training on Calibration of Analytical Instruments

AT CMS SKILL CENTER, DWARAKANAGAR, VISAKHAPATNAM.

FROM 13/03/2021 TO 13/04/2021

AUTHORIZED SIGNATORY CMS SKILL CENTER REGISTERED UNDER







OF COMPLETION

THIS IS TO CERTIFY THAT

### BUDDHARAJU LEKHA

COLLEGE NAME: AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES-BHOGAPURAM

SUCCESSFULLY COMPLETED THE INTERNSHIP PROGRAMMES ON Training on Calibration of Analytical Instruments

AT CMS SKILL CENTER, DWARAKANAGAR, VISAKHAPATNAM.

FROM 13/03/2021 TO 13/04/2021

AUTHORIZED SIGNATORY CMS SKILL CENTER





# SUNRISE INSTITUTE OF FIRE & SAFETY ENGINEERS

Govt. Reg. No. 18-BK-4/2016 (SRO: 618)

Vijayawada and Visakhapatnam A.P

### Certificate



4.8800 Director

E-mail: garapatibhaskar6@gmail.com, Mobile: 63017 36379, 80966 69329

## SUNRISE INSTITUTE OF FIRE & SAFETY ENGINE

Govt. Reg. No. 18-BK-4/2016 (SRO: 618)

Vijayawada and Visakhapatnam A.P

### Certificate

This is to Certify that Sri / Kum / Smt..... G. HIMAJA

8/0. 70/0. D/o. Sri ...... G. SIVA PRASAD has satisfatorily

undergone Training in FIRE & SAFETY

Conducted by the

SUNRISE INSTITUTE OF FIRE & SAFETY ENGINEERS on .....

26/05/2020



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES



4.BENO Director

E-mail: garapatibhaskar6@gmail.com, Mobile: 63017 36379, 80966 69329

# SUNRISE INSTITUTE OF FIRE & SAFETY ENGINEERS

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO DAKAMURI KANAKA SATYA VASANTHA

A TATIO

Bearing roll no. 17T51T0006 pursuing **IV Pharm D** has successfully completed Value added Course on "FORENSIC TOXICOLOGY; TECHNIQUSE FOR CLINICIANS" held from 08-02-2021 to 13-02-2021.

V. Umalankar

Convener



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Principal



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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO DAMODARA PADMAPRIYA

Bearing roll no. 17T51T0007 pursuing **IV Pharm D** has successfully completed Value added Course on "FORENSIC TOXICOLOGY; TECHNIQUSE FOR CLINICIANS" held from 08-02-2021 to 13-02-2021.

V. UmerSankal

Convener



the

Principal



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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO GANNAMANENI SAIPADMINI

Bearing roll no. 17T51T0008 pursuing **IV Pharm D** has successfully completed Value added Course on "FORENSIC TOXICOLOGY; TECHNIQUSE FOR CLINICIANS" held from 08-02-2021 to 13-02-2021.

V. Uma Sankar

Convener



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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO GINNE HIMAJA

Bearing roll no. 17T51T0009 pursuing **IV Pharm D** has successfully completed Value added Course on "FORENSIC TOXICOLOGY; TECHNIQUSE FOR CLINICIANS" held from 08-02-2021 to 13-02-2021.

V. Ulma Sankar

Convener



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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO KALEPU MANISHA

Bearing roll no. 17T51T0010 pursuing **IV Pharm D** has successfully completed Value added Course on "FORENSIC TOXICOLOGY; TECHNIQUSE FOR CLINICIANS" held from 08-02-2021 to 13-02-2021.

V. Ilma Sankar

Convener



the



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

## CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented to

#### **ALAJINGI SUSMITA**

Bearing roll no. **19T51T0001** pursuing **II Pharm D** has successfully completed Value added Course on "EXPLORATION OF CARBOHYDRATES FROM BOTANICAL SOURCES TO THERAPEUTIC POTENTIALS" held from 22-03-2021 to 27-03-2021.

V. Umasankas Convener



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## CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented to

#### **BODDEPALLI RAKESH**

Bearing roll no. 19T51T0002 pursuing II Pharm D has successfully completed Value added Course on "EXPLORATION OF CARBOHYDRATES FROM BOTANICAL SOURCES TO THERAPEUTIC POTENTIALS" held from 22-03-2021 to 27-03-2021.

V. Umasankar



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## CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented to

#### **BONI TABITHA SMILY**

Bearing roll no. 19T51T0003 pursuing II Pharm D has successfully completed Value added Course on "EXPLORATION OF CARBOHYDRATES FROM BOTANICAL SOURCES TO THERAPEUTIC POTENTIALS" held from 22-03-2021 to 27-03-2021.

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## CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented to

#### CHADARAM PRAGNATHA

Bearing roll no. **19T51T0004** pursuing **II Pharm D** has successfully completed Value added Course on "EXPLORATION OF CARBOHYDRATES FROM BOTANICAL SOURCES TO THERAPEUTIC POTENTIALS" held from 22-03-2021 to 27-03-2021.

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## CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented to

#### MARGANA GASRUTHI

Bearing roll no. **19T51T0011** pursuing **II Pharm D** has successfully completed Value added Course on "EXPLORATION OF CARBOHYDRATES FROM BOTANICAL SOURCES TO THERAPEUTIC POTENTIALS" held from 22-03-2021 to 27-03-2021.

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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

## CERTIFICATE OF COMPLETION

This is presented to:

#### Garikipati Meena Ujwala

Bearing roll no 15T51T0006 pursuing VI Pharm D has successfully completed value added course on "Enhancement of pharmaceutical services through medication" held from 18-01-2021 to 23-01-2021

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the



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

## CERTIFICATE OF COMPLETION

This is presented to:

Gavara Kusuma

Bearing roll no 15T51T0008 pursuing VI Pharm D has successfully completed value added course on "Enhancement of pharmaceutical services through medication" held from 18-01-2021 to 23-01-2021

V. Unia Sankar Convener



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

## CERTIFICATE OF COMPLETION

This is presented to:

#### Ramavathu Bhargava Krishna

Bearing roll no 15T51T0021 pursuing VI Pharm D has successfully completed value added course on "Enhancement of pharmaceutical services through medication" held from 18-01-2021 to 23-01-2021

V UmerSankar Convener



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

## CERTIFICATE OF COMPLETION

This is presented to:

#### Siddila Aparna Rani

Bearing roll no 15T51T0023 pursuing VI Pharm D has successfully completed value added course on "Enhancement of pharmaceutical services through medication" held from 18-01-2021 to 23-01-2021

V- Ulma Sankar Convener



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

## CERTIFICATE OF COMPLETION

This is presented to:

#### Kuppili Prasanna Lakshmi

Bearing roll no 15T51T0015 pursuing VI Pharm D has successfully completed value added course on "Enhancement of pharmaceutical services through medication" held from 18-01-2021 to 23-01-2021

V. Uma Sankar Convener





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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO KOTAGIRI JYOTSNA SAI MAHITHA

Bearing roll no. 16T51T0009 pursuing **V Pharm D** has successfully completed Value added Course on "PRINCIPLE AND PRACTICE OF PHARMACOVIGILANCE" held from 01-03-2021 to 06-03-2021.

1. Umo Sankar Convener



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO J.PRAMEELA

Bearing roll no. 16T51T0008 pursuing V Pharm D has successfully completed Value added Course on "PRINCIPLE AND PRACTICE OF PHARMACOVIGILANCE" held from 01-03-2021 to 06-03-2021.

V. Merra Sankar

Convener



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO GUJJU EMMANUEL

Bearing roll no. 16T51T0007 pursuing **V Pharm D** has successfully completed Value added Course on "*PRINCIPLE AND PRACTICE OF PHARMACOVIGILANCE*" held from 01-03-2021 to 06-03-2021.

V. Ilmabankar

Convener



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www.avanthipharma.ac.in, principal@avanthipharma.ac.ir

# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO DABBIRU MYDHINI

Bearing roll no. 16T51T0006 pursuing **V Pharm D** has successfully completed Value added Course on "PRINCIPLE AND PRACTICE OF PHARMACOVIGILANCE" held from 01-03-2021 to 06-03-2021.

V Ulma Pankas

Convener



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO BOLEM OMKAR

Bearing roll no. 16T51T0004 pursuing **V Pharm D** has successfully completed Value added Course on "PRINCIPLE AND PRACTICE OF PHARMACOVIGILANCE" held from 01-03-2021 to 06-03-2021.

v. Umalankar

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## CERTIFICATE

#### OF ACHIEVEMENT

This certificate is proudly presented to

#### **SOMULA VENKATA DURGA**

Bearing roll no 19T51S1111 pursuing II M Pharmacy has successfully completed value added course on

"Emerging technologies in pharmaceutical manufacturing and quality assurance" held from 05-04-2021 to 10-04-2021

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## CERTIFICATE

#### OF ACHIEVEMENT

This certificate is proudly presented to

### YANDA PURNA NAGA VIJAYA LAKSHMI

Bearing roll no 19T51S1112 pursuing II M Pharmacy has successfully completed value added course on

"Emerging technologies in pharmaceutical manufacturing and quality assurance" held from 05-04-2021 to 10-04-2021

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## CERTIFICATE



This certificate is proudly presented to

#### LANKALAPALLI HARSHASREE

Bearing roll no 19T51S0603 pursuing II M Pharmacy has successfully completed value added course on

"Emerging technologies in pharmaceutical manufacturing and quality assurance" held from 05-04-2021 to 10-04-2021

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## CERTIFICATE

#### OF ACHIEVEMENT

This certificate is proudly presented to

#### **SUVVARI SANTHOSHI**

Bearing roll no 19T51S0610 pursuing II M Pharmacy has successfully completed value added course on

"Emerging technologies in pharmaceutical manufacturing and quality assurance" held from 05-04-2021 to 10-04-2021

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## CERTIFICATE

#### OF ACHIEVEMENT

This certificate is proudly presented to

#### **BOGAPURAPU GAYATRI**

Bearing roll no 19T51S1102 pursuing II M Pharmacy has successfully completed value added course on

"Emerging technologies in pharmaceutical manufacturing and quality assurance" held from 05-04-2021 to 10-04-2021

V. Unasankar Convener







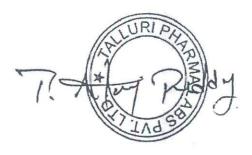
This	is to	certify	that	Mr/Mrs/Miss:_	A. WONINI
of			Av	anthi Institute	of Pharmaceutical Sciences



Chairman



This is to certify that Mr/Mrs/Miss:	A. Sudneer
ofAvanthi Institute	of Pharmaceutical Sciences



Chairman



This	is to certify that Mr/Mrs/Miss:_	C. Jyothi
of	Avanthi Institute	of Pharmaceutical Sciences



Chairman



This is	to certify that Mr/Mrs/Miss:_	D. Abilitatii
of	Avanthi Institute	of Pharmaceutical Sciences



Chairman





OF PARTICIPATION

This certificate is presented to:

#### BAVARPU DURGA PRASAD

Bearing roll no. 17T51R0006 pursuing IV B Pharmacy has successfully completed Value added Course on "ADVANCES IN NMR SPECTROSCOPY FOR CHEMICAL ANALYSIS AND MOLECULAR CHARACTERIZATION"

held from 04-01-2021 to 09-01-2021.

V. Uline Sankers CONVENER







OF PARTICIPATION

This certificate is presented to:

#### **BILLAKURTHI JYOTHSNA**

Bearing roll no. 17T51R0008 pursuing IV B Pharmacy has successfully completed Value added Course on "ADVANCES IN NMR SPECTROSCOPY FOR CHEMICAL ANALYSIS AND MOLECULAR CHARACTERIZATION"

held from 04-01-2021 to 09-01-2021.

Villing Sanbon CONVENER

PRINCIPAL





OF PARTICIPATION

This certificate is presented to:

#### **BUDDHARAJU LEKHA**

Bearing roll no. 17T51R0014 pursuing IV B Pharmacy has successfully completed Value added Course on "ADVANCES IN NMR SPECTROSCOPY FOR CHEMICAL ANALYSIS AND MOLECULAR CHARACTERIZATION"

held from 04-01-2021 to 09-01-2021.

V. Lline Lauber CONVENER







OF PARTICIPATION

This certificate is presented to:

#### **BYREDDY SAMYUKTHA**

Bearing roll no. 17T51R0015 pursuing IV B Pharmacy has successfully completed Value added Course on "ADVANCES IN NMR SPECTROSCOPY FOR CHEMICAL ANALYSIS AND MOLECULAR CHARACTERIZATION"

held from 04-01-2021 to 09-01-2021.

V-llenelankag CONVENER







OF PARTICIPATION

This certificate is presented to:

#### CHOKKAKULA JYOTHI

Bearing roll no. 17T51R0016 pursuing IV B Pharmacy has successfully completed Value added Course on "ADVANCES IN NMR SPECTROSCOPY FOR CHEMICAL ANALYSIS AND MOLECULAR CHARACTERIZATION"

held from 04-01-2021 to 09-01-2021.

V-lline fanker CONVENER

PRINCIPAL

#### Note # 1

Dt. 21.02.2023

To
The Director of Evaluation
INT University Kakinada
Kakinada

Sir,

Sub: Submission of Ph.D thesis (8 Copies), Synopsis reports (10 Copies) and panel of Examiners of Mr. V. Uma Sankar (Roll.No.14022PPH13) a Ph.D Research Scholar in Pharmacy discipline, JNTUK, Kakinada - Reg

Mr. V. Uma Sankar (Roll.No.14022PPH13) has submitted his Ph.D thesis entitled "Demographic Studies of North Coastal Andhra People with respect to Cancer and its Causation Factors and Treatment - How Clinical Pharmacist Helps in Reducing the Incidence" under the supervision of Dr. S. Satyanarayana (Supervisor), Retd., Professor, A. U. College of Pharmaceutical Sciences, Andhra University, Visakhapatnam & Dr. K. Eswar Kumar (Co-Supervisor), Associate Professor, Pharmacology Division, College of Pharmaceutical Sciences, Andhra University, Visakhapatnam. The BoS Panel of Examiners, Supervisors Panel will be submitted in person along with Demand Draft.

#### The following scanned documents are submitted for your reference:

- 1. Report of Pre-talk arranged on 04th January, 2023
- 2. Pre-Ph.D Courses Mark Memos
- 3. No Dues Certificate
- 4. Admission Letter & Guide Allotment Order
- 5. Synopsis reports (10 Nos) with Soft copy
- 6. Ph.D Thesis reports (08 Nos)
- 7. Fee receipts scanned copies
- 8. Anti Plagiarism check report and soft copy of the same Plagiarism check details:
  - i. Submission Date: 27.01.2023
  - ii. Document ID: D157073145
  - iii. File Name: San Final Thesis 24.01.2023 Quill.pdf
- 9. Details of RRM attended certificates & Recommendations
- 10. Recommendation letter from the Supervisor and Co-Supervisor
- 11. Letter from the candidate with recommendation from Supervisor and Co-Supervisor that the Candidate has incorporated the suggestions of RRC members
- 12. Audit course Certificates
- 13. Credit course Marks memo

Further you are requested to arrange the evaluation and examination of the thesis submitted by Mr. V. Uma Sankar (Roll.No.14022PPH13) his address is as follows:

Mr. V. Uma Sankar (Roll.No.14022PPH13),

S/o Shri V. Appa Rao,

H.No: 14-20-3/2,

Near Prakash Arts,

Maharani Peta, Visakhapatnam-530002

Mobile. No: 9885498549

E-mail: sankarvs75@gmail.com

Admission Letter & Guide Allotment Order.pdf



Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal |
Vizianagaram Dt., - 531162



#### **BUNDELKHAND UNIVERSITY**

Established by UP Sinte Govt U/S (2D of UGC Act 1956

From

The Registrar,

Lr.No: BUPH/Ph.D/M.Phill/M.S/Admns/Pharmacy/2017-2018

Dt: 12-10-2017

Sub: Bundelkhand University- Admisssions in Ph.D/M.Phil/M.S.Programmes-2017-2018

Dear Applicant,

You are Provisionally selected for the admission in to Ph.D/M.Phil/M.S 2017-2018

Programmes in the faculty of Pharmaceutical Sciences. The details of your admission are as given below.

External Registration/Fulltime-RC	External Registration
	Professor Bundelkhand University, Jhansi, 284128
Proposed Research Work Title  GUIDE:	STUDIES ON THE CARDIOPROTECTIVE ACTIONS OF MYRCETIN AND KAEMPFEROL IN ISCHEMIA REPERFUSION INDUCED MYOCARDIAL. INFARCTION IN NORMAL AND STZ INDUCED TYPE-I DIABETIC RATS (Changes acc., to guide)
P.G Details	Master of Pharmacy(Pharmacology) Reg.No: 06601736; MAY - 2008 Annamalal University, Chennal.
Date of Birth	20-08-1985
Father's Name	CH RAMU
Name	MADHU CHANDAKA
Enrollment Number	BU17/PH875897

Full Time/Part time Research scholars shall report at the respective centre with this admission letter and submit Joining report to the Head of Institute on or before 25-10-2017. All the Research scholars have to pay an amount of Rs.93,000/- per annum by 31<sup>st</sup> July of every year or in two spells of Rs.46,500/- each by 31<sup>st</sup> August and 31<sup>st</sup> January of every year. Non payment of the Admission.

> copy to the Supervisor concerned

> copy to file

> copy to Research Dean



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



#### BUNDELKHAND UNIVERSITY

Established by UP State Govt U/S (2f) of UGC Act 1956

CONFIDENTIAL REPORT ISSUED TO THE SCHOLAR FOR PART-TIME BASIS

No: Ph.D/Pharmacy/BU17/PII875897/2017

To:

Mr. MADHU CHANDAKA S/o CH RAMU. D.no: B/14, New NSP Colony Kurichedu, Prakasam District Andhra Pradesh - 523304

From:

The Registrar. Bundelkhand University, Jhansi, U.P. 284128

Sir/Madam.

Sub: Ph.D Programme - PART TIME-Institute of Pharmacy-Provisional Registration for the Ph.D Programme in respect of the Candidate Mr. MADHU CHANDAKA and the Research Supervisor allotted- Orders issued - reg.

I am direction to inform you that as recommended by the Departmental Selection Committee, the admission of the candidate to do Part-Time Ph.D. Programme under the guidance of Dr.SHASHI ALOK, Bundelkhand University, Jhansi.

The Candidate under reference has been Provisionally registered for the Ph,D Degree on Part-Time basis from 12/10/2017 in the Institute of Pharmacy where the candidate proposes to work has been approved.

The candidate both Fulltime and Part time should submit progress reports in the prescribed form ONCE IN SIX MONTHS and the same be placed in the Doctoral Committee and send it to the Dean Research through Supervisor.

The candidate will be governed by the Regulation of the Ph.D Degree and the rules and

conditions framed there under and amended from time to time

Broad Field of Research :

STUDIES ON THE CARDIOPROTECTIVE ACTIONS OF MYRCETIN AND KAEMPFEROL IN ISCHEMIA REPERFUSION. INDUCED MYOCARDIAL INFARCTION IN NORMAL AND

STZ INDUCED TYPE-I DIABETIC RATS

Subject:

Pharmaceutical Sciences



Avanthl Institute of Pharmaceutical Sciences Cherukupally (V), Bhogapuram Mandal Vizianagaram Dt., - 531162



#### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR ANANTHAPURAMU 515002(A.P)

Prof.M.VUAYA KUMAR Director of Admissions. Lr. No.JNTUA/DA/Ph.D/M.Phil/M.S/Admns/Pharmacy /2016-17 Dt:01-07-2017

Sub: INTUA-DA-Admissions in Ph.D/M.Phil/M.S. Programmes = 2016-17

Dear Applicant,

You are admitted into Ph.D. 2016-17 Program in the faculty of Pharmaceutical Science. The details of your admission are as given below.

Admission Number	(62) 1323
Name	B MANOI KUMAR
Proposed Research work Title	Assessment and combating antimicrobial resistance threats in community and hospital settings of Rayalaseema Districts
Supervisor's Name & Designation with Address	Dr.T.S.Mohammed Saleem Associate Prof. ANCP, Rajampet
Co-Supervisor's Name & Designation with Address	
External Registration/ Full Time-RC	Full Time—ANCP

All the research scholars have to pay an amount of Rs.40,000/- per annum by 31<sup>st</sup> July of every year or in two spells of Rs. 20,000/- each by 31<sup>st</sup> of July and 31<sup>st</sup> January of every year. Nonpayment of prescribed fee in time may lead to cancellation of the admission.

Director of Admissions

Copy to The Supervisor & Co-Supervisor concerned. Copy to file.

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

#### Dr. R.V. RAMANA MURTHY

M. Pharm., Ph.D., D.A.S.

**ENIOR PROFESSOR (STAGE 6)** 

RINCIPAL



A.U. College of Pharmaceutical Sciences Andhra University Visakhapatnam – 530 003

Pb : 91-891-2844931

Fax : 91-891-2525611 Attn.Pharmacy E-mail: drkvrmurthy@rediffmail.com

drkvrmurthy@andhrauniversity.edu.in

No.AUCP/1/5/Res.Admn/Quide Allotment//2020

Visakhizatnan Date: 12-02-2020

#### PROCEEDINGS OF THE VICE-CHANCELLOR

Sub:- AUCPs - Research Admission - Ph.D. Full-Time Allotment Of Guide/co-guides -(Full-Time to Part-Time ) Conversion in AU College of Pharmaceutical Sciences during the academic year-2019-2020 - Approval - Orders -Issued.

Ref:- (1) Letter received from the Director, Directorate of Admissions, Date: 15-11-2019. (2) Note order dated 10-02-2020 of the Vice-Chancellor, AU. Visakhapatnam.

#### ORDER:

The Hon'ble Vice-Chancellor ordered that the following allotment of guide to the newly admitted Ph.D. Full Time student for the existing Ph.D. Full Time and Part Time students conversion of Ph.D. Full Time to Part Time students in A.U. College of Pharmaceutical Sciences, Andhra University, Visakhapatnam -530003.

S.No.	Name of the Research Scholar & Specialization	Research Admission	Allotment of Research Gulde Co-guide	Full-Time/ Part-Time Conversion	Effective dise
1	Mr. Kattula Rao Vinay Rajan Pharmacology	Ph.D. Full-Time RC.926 Dt: 15-11-2019	Dr K. Eswar Kumar Research Guilde	PALETIME	15-20-500A
	Mr. Mohammad Sultan Ali Basha.* Pharmacology	PLD. Part-Time	Prof. A. Annapuma Research Guide Prof. B. Ganga Rao Co-Guide	Paretime	12-02-2020
3	Mr. Darmarasingu Pracanth * Pharmacology	Ph.D. Part-Time	Prof. A. Annapuma Research Guide Dr. K. Eawar Kumar Co-Guide	Parètime	12-02-2020
4	Mrs. Hema Varaha Santhoshi Allu Pharmaceutical Chemistry	Ph.D. Full-Time to Part-Time Conversion	Prof. V. Girija Sastry Research Guide	Part-Time	12302-2020
5	Mr. G.V. Subrahmanyam Pharmaceutical Analysis	Ph.D. Part-Time Extension of Time Upto 31-03-2020	Prof. D. Gowri Sankar/ Prof. J.V.L.N. Seshagiri Rao Research Guide	Part-Time	12-02-2020

Consequential time gap for allotting Co-guide for submission of Thesis is also condoned.

(BY ORDER)

Copies to:
The Secretary to Vice-Chancellor and P.A. to Registrer, CAO, AU, for information.
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## AU COLLEGE OF PHARMACEUTICAL SCIENCES ANDHRA UNIVERSITY, VISAKHAPATNAM -530 003

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Principal

No. AUCPSe/Research Admn/Guide allotment2013-14

Date: 02-05-2014

#### PROCEEDINGS OF THE VICE-CHANGELLOR

Sub:- AUCP - Research Admission - Ph.D. (Full-time / Part-time) in Shri-Vishnu College of Pharmacy, Bhimavaram during 2013-14 Approval of Research Directors to admitted candidates - Orders - Issued.

Read: (1) Letter No. SVCP/Ph.D Admns/19-04-13-14 dated 05-03-2014 of the Principal Shri Vishnu College of Pharmacy Bhimavaram - 234 202. (2) Note order dated 01-04-2014 of the Hon.ble Vice-chancellor, A.U.

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#### LIST OF (FULL - TIME) Ph. D. CANDIDATES ADMITTED IN 2013-14

SI. No.	Scholar	Research Director	Joint Guide
	Pharmaceut	ical Analysis & Quality	Assurance
1	Mr.Kothapalli Kranti Kiran	Dr.A.Srinivasa Rao	Prof.D.Gowri Shankar
2	Ms.Revu Baby Nalanda	Dr.A.Srinivasa Rao	Prof.D.Gowri Shankar
3	Ms.Kella Alekya	Dr.K.S.Nataraj	Dr.A.K.M.Pawar
4	Mr. Batta Surendra Babu	Dr.K.S.Nataraj	Dr.A.K.M.Pawar
	Pha	rmaceutical Technology	and the second state of the second se
1	Ms.Purnima Yadav Doppa	Dr.D.Basava Raju	Prof.K.V.Ramana Murthy
I min	Ms.Palepu Parvati	Dr.D.Basaya Raju	Porf. J.Vijaya Ratus
	Mr. Marikanti Raj Kumar	Dr.P.V.Swamy	Dr.P.Shailaja
25 A	Ms.R. Lakshmi Kalyani	Dr.P.V.Swamy	Prof.K.V.Ramana Murthy
	Mr.SSPrasad Cheepurupalli	Dr.M.Mohan Varma	Porf. J. Vijaya Ratna
	Pha	rmaceutical Chemistry	A CONTRACTOR OF THE PROPERTY O
	Mr. Bheema Naik Angothu	Dr.M.Raghu Prasad	Dr.M.Murali Krishna Komar
	And the state of t	Pharmacology	PRINCIPAL
	Ms. Sadhu Surya Prabha	Dr.K.Prasad	Avanthi Institute of Pharmaceutical Sc
	Mr. Killari Kishore Naidu	Dr.K.Prasad	Dr.K.F.s. ar Vizianagaram Dt., - 531162

SLND,	Name of the Research Scholar	Research Director	No. Ale Jaint Guide
A to me	Phyrone	entical Technology	
1	Ms. Chintalapati Kesari	Dr.D.Basava Raju	Dr.P.Shailaja
2.	Ms. Sravani Boyapati	Dr.D.Basava Raju	Prof.K.V.Ramana Murthy
3	Ms. Swapna Ramanabolna	Dr.D.Busava Raju	Dr.P.Shailaja
4/4	Ms. Macherla Sreelatha	Dr.P.V.Swamy	Dr.P.Shailaja
5	Mr. Rekha Naresh Babu	Dr.P.V.Swamy	Prof.K.V.Ramana Morths
6	Mr. Sriniyasa Rao Baratam	Dr.P.V.Swamy	Porf. J. Vijaya Ratna
in int	Ms. Amrutha Rai Tirumalaraj	Dr.M.Mohan Varma	Port J. Vijaya Ratna
8	Ms. Pedireddi Sobitha Rani	Dr.M.Mohan Varma	Porf AVijaya Ratna
9 -	Mr. Vadithe Vasu Naik	Dr.M.Mohan Varma	Prof. K.V. Ramana Murthy
a square	The state of the s	ceutical Chemistry	
11	Mr. Jumpani Subba Ruo	Dr.M.Raghu Prasad	Prof.Y.Rajendra Prasad
2	Ms. Ragasudha Madhori	Dr.M.Raghu Prasad	Prof. V.Girija Sastry
3 -	Ms. Yarasuri Haritha Sri	Dr.M.Rughu Prasad	Prof.Y.Rajendra Prasad
16.47	A CONTRACTOR OF THE PROPERTY O	Analysis & Quality Assu	
1	Ms. Yamini Kumari Tadikonda	Dr.A.Srinivasa Rao	Prof.D.Gowri Shankar
2/	Ms. Chaitanya Bangari	Dr.A.Srinivasa Rao	Prof.D.Gowri Shankar
3	Mr. S.Sumath Kamatham	Dr.A.Srinivasa Rao	Prof.D.Gowri Shankar
4 %	Mr. Vasantha Kumar PM	Dr.A.Srinivasa Rao	Prof.D.Gowri Shankar
5	Ms. Chimpiri Srujani 🖟 🦠	Dr.K.S.Nuturaj	Dr.A.K.M.Pawar
6	Mr. G.Dharma Murthy	Dr.K.S.Nataraj	Dr.A.K.M.Pawar
واوراتون	4504.45	harmacology	A
	Mr.Nagabhushanam Chunduru	Dr.K.Prasad	Prof. P.Rajeswara Rao
2	Ms. Marni Naga Bharathi	Dr.K.Prasad	Prof. A.Annapurna
3	Mr. Sajja Ravindra Babu	Dr.K.Prasad	Dr.K.Eswar Kumar

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The Candidates

College of Pharmaceutical Sciences Andhra University.

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	Market Barrier and Ton	Pharmaeology	PRINCIPAL
	Ms. Sadhu Surya Prabha	Dr.K.Prasad	Prof. P. Sherukupally (V) Bharmaceutical S
	Mr. Killari Kishore Naidu	Dr.K.Prasad	Dr.K.F.swary Zianagaram Dt., - 53116

SLND.	Name of the Research Scholar		4060-17-02-03-03-03-03-03-03-03-03-03-03-03-03-03-
A to see		Research Director	Jaint Guide
	Ms. Chintalapati Kesari	entical Technology	Dr.P.Shailaja
44 <b>2</b> *	Ms. Srnvani Boyapati	Dr.D.Basava Raju	Prof.K.V.Ramana Murthy
3	Ms. Swapna Ramanaboina	Dr.D.Basava Raju	
44	Ms: Mucherla Sreelatha	Dr.D. Busaya Raju	Dr.P.Shailaja
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2	Mr. Jumpani Subba Ruo	Dr.M.Raghu Prasad	Prof.Y.Rajendra Prasad
Charles Street	Ms. Ragasudha Madhori	Dr.M.Raghu Prasad	Prof. V. Girija Sastry
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5.6	Ms. Chimpiri Srujani	Dr.K.S.Nafaraj	Dr.A.K.M.Pawar
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بالورادين -	with the state of	harmacology	
	Mr.Nagabhushanum Chunduru	Dr.K.Prasad	Prof. P.Rajeswaru Rao
<b>5</b> ****	Ms. Marni Naga Bharathi	Dr.K.Presad	Prof. A.Annapurna
	Mr. Sajja Ravindra Babu	Dr.K.Prasad	Dr.K.Eswar Kumar

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# International Journal of Pharmacognosy and Chemistry

Open Access

Research Article

Phytochemical analysis of the flowers of Chrysanthemum indicum L. and Calendula officinalis

Santanu kumar Hotta<sup>1</sup>, Neelima Neelapu<sup>2</sup>, Nadi Priyanka<sup>3</sup>.

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- 3. B.Pharmacy, College of pharmaceutical Sciences, Brahmapur, Mohuda.

Article History	Abstract	
Received on: 09-02-2021 Revised On: 04-03-2021 Accepted on: 11-03-2021	Plant extracts have been used as a source of medicines for a wide variety of human ailments. the . Phytochemical analysis of flowers of ornamental plants of Chrysanthemum indicum L. and Calendula officinalis are very useful in identifyingnew sources of therapeutically important compounds like saponins, terpenoids, flavonoids and steroids are present in the flower extract of Chrysanthemum indicum L and carbohydrates, flavonoids, terpenoids are present in the flower extract of Calendula officinalis . Chrysanthemum indicum L :Hindi: :Guldaudi, Sanskrit : Bahupatrika, Odiya: Shevathi Calendula officinalis: English :	
Keywords: Phytochemical Analysis, flowers, Chrysanthemum indicum L, Calendula officinalis.		
DOI: https://doi.org/10.46796/ijpc.vi.148	Marigold ,Hindi : Genda.	

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#### Introduction

Phytochemical screening refers to the extraction, screening and identification of the medicinally active substances found in plants. Some of the bio-active substances that can be derived from plants are flavonoids, alkaloids, carotenoids, tannin, anti-oxidants and phenolic compounds. Phytochemists study phytochemicals by first extracting and isolating compounds from the origin plant, followed by defining

their structure or testing in laboratory model systems, such as cell cultures, in vitro experiments, or in vivo studies using laboratory animals. Challenge in that field include isolating specific compounds and determining their structures, which are often complex, and identifying what specific phytochemical is primarily responsible for any given biological activity. Phytochemicals are chemicals produced by plants. These are the chemicals that plants use to defend themselves against disease [1,2].

Extraction methods involved in this project are Maceration, Percolation, Soxhlet Extraction, Supercritical fluid extraction, Microwave assisted extraction, Ultrasound assisted extraction, Accelerated solvent extraction. The formation of yellow colour indicated the presence of flavonoids while the brown colour formation indicated the presence alkaloids and terpenoids. The phenol content was maximum in roots (82.13 mg/gdw) followed by PRINGARATEM and fruit.

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