



V. V. INSTITUTE OF PHARMACEUTICAL SCIENCES

Seshadri Rao Knowledge Village, GUDLAVALLERU - 521 356, Krishna District, A.P.

(Approved by AICTE & PCI, New Delhi and Affiliated to JNTUK, Kakinada)

Sponsored by A.A.N.M. & V.V.R.S.R. Educational Society

Phone : 08674-274649, Fax : 08674-274441

E-mail : venkatadripharmacy@gmail.com, Website : www.vvipsgudlavaluru.ac.in

2.3.1 Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences using ICT tools:

The teaching and learning process are major strength of V. V. Institute of pharmaceutical Sciences. Students are provided with a perfect blend of traditional and modern methods to make learning process student centric. Experimental learning, participative learning and problem-solving methodologies are well practiced to ensure the holistic as well professional development of the students. The campus is WiFi enabled to ensure effective use of digital technology. The teachers use ICT enabled teaching techniques to ensure effective delivery of the lecture by using Wi-Fi enabled class rooms. Online e-resources are available in the library like Knimbus and the students/staff are given access to the resources. Animal experiments are conducted using Ex-Pharm software in an effort to minimize animal usage. Teachers also utilize the educational Videos available in an effort to strengthen the basic concept of the students since audio visual memory is proven to be more long term in retention. Teachers are encouraged to upgrade their pedagogical skills by attending workshops, FDP (Faculty Development Programmes) and STTP (Short Term Training Programme) for same and share their views regarding any new technique, course which they have come across that may prove to be beneficial. The institution adopts modern pedagogy to enhance teaching-learning process via;



Anand
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V. V. Institute of
Pharmaceutical Sciences
Seshadri Rao Knowledge Village
GUDLAVALLERU - 521 356



V. V. INSTITUTE OF PHARMACEUTICAL SCIENCES

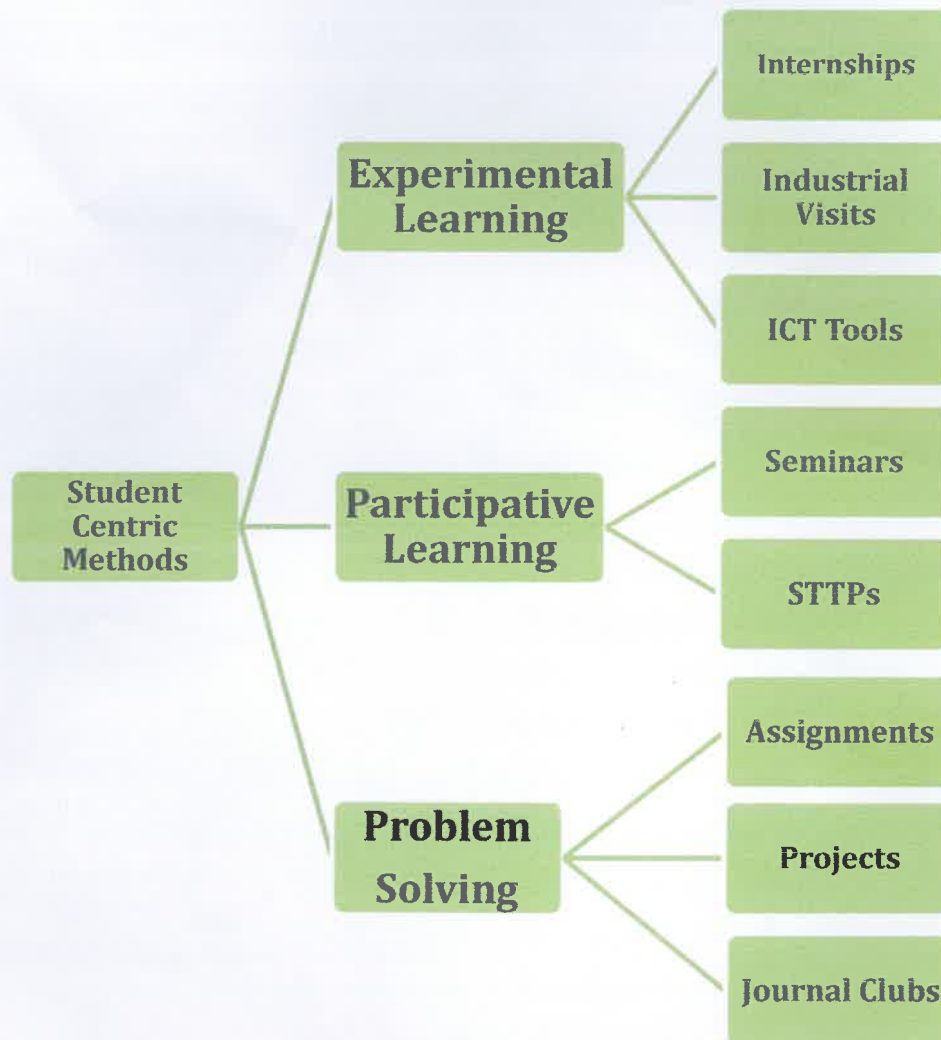
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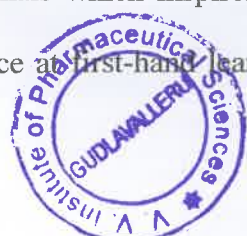
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✓ **Experimental learning:** It is implemented through practical hours, equipment simulations, industrial training / visits, Practice school, research projects, health awareness camps (Cancer Day, AIDS day, NPW etc.), NSS activities, Journal Club, add on courses and presentations /publications at various conferences/ journals which inspires young inquisitive pharmacist. Students get an opportunity and experience at first-hand learning about how the theoretical



[Signature]
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principles are applied. Live demonstrations and handling of instruments such as UV-Visible Spectrophotometer, HPLC, Dissolution, GEL Electrophoresis, Brookfield viscometer, Electronic microscope, Microbial Zone Reader, BOD Incubator, etc., is a regular practice.

- ✓ **Participative learning:** The ability of scientific and social participative learning and capability to communicate are developed among students by motivating them to participate in a spectrum of events like Poster presentations, e-Posters, Power Point presentations, quizzes, video making competitions, leaflet competitions, awareness campaigns and rallies.
- ✓ **Problem solving methodologies:** Students and faculty are encouraged to attend seminars/workshops related to latest developmental activities of pharmacy relating to industry in order to excel and meet the industrial standards. Assignments on topics from Curriculum & Open book test on general understanding of subject. Practical experiments were designed & exhibited to train students in order to solve problems encountered during experimentation. Practice School was conducted as a part of curriculum in order to train the students in handling equipments. UG and PG students carry out research projects enhancing problem identification and solving skills of the students.



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Seshadri Rao Knowledge Village

GUDLAVALLERU - 521 356

Cera Biologicals India Pvt Ltd

"Quality is more than a Promise"

Shed No.1, Plot No. 139, Phase-V, IDA Jeedimetla, Hyderabad - 55

09-07-2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. A.SIVA NARAYANA (209V1R0001) student of Vallabhaneni Venkatadri Institute of Pharmaceutical Sciences, Seshadri Rao Knowledge village, Gudlavalleru-521356 has undergone Industrial Training in our premises for a period of one month from 10-06-2023 to 09-07-2023.


During above mentioned period we observed that he is sincere and hard working.

We wish him all the success in his future endeavours.

For CERA BIOLOGICALS


Authority Signature




PRINCIPAL
V. V. Institute of
Pharmaceutical Sciences
Seshadri Rao Knowledge Village
GUDLAVALLERU - 521 356

DR. JAI LIFE SCIENCES

IEC CODE : ANCPJ8357Q

GST NO : 33ANCPJ8357Q1ZF

PAN NO : ANCPJ8357Q

09-07-2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms. B. HARATHI (209V1R0002)** student of Vallabhaneni Venkatadri Institute of Pharmaceutical Sciences, Seshadri Rao Knowledge village, Gudlalleru-521356 has undergone Industrial Training in our premises for a period of one month from 10-06-2023 to 09-07-2023.

During above mentioned period we observed that she is sincere and hard working.

We wish her all the success in her future endeavours.

For **DR.JAI LIFE SCIENCES**

Authority Signature



Arav
PRINCIPAL
V. V. Institute of
Pharmaceutical Sciences
Seshadri Rao Knowledge Villag
GUDLALLERU - 521 356

ADDRESS: NO 9 , FIRST FLOOR, KAVARAI STREET ,KAVERIPAKKAM , RANIPET DISTRICT, TAMILNADU
INDIA. PIN CODE : 632508. PHONE : +91 98419 72074 , DRUG LICENSE NO:06/VLV/501/20B , 06/VLV/466/21B
EMAIL : DRJAILIFESCIENCES@GMAIL.COM

DR. JAI LIFE SCIENCES

IEC CODE : ANCPJ8357Q

GST NO : 33ANCPJ8357Q1ZF

PAN NO : ANCPJ8357Q

09-07-2023.

TO WHOM SO EVER IT MAY CONCERN

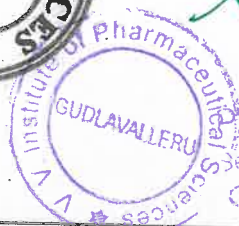
This is to certify that Ms. CH. KUSUMANJALI DEVI (209V1R0003) student of Vallabhaneni Venkatadri Institute of Pharmaceutical Sciences, Seshadri Rao Knowledge village, Gudlavalleru-521356 has undergone Industrial Training in our premises for a period of one month from 10-06-2023 to 09-07-2023.

During above mentioned period we observed that she is sincere and hard working.

We wish her all the success in her future endeavours.

For DR.JAILIFE SCIENCES

Authority Signature



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PAN NO : ANCPJ8357Q

09-07-2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. A. PAVANI (209V1R0011) student of Vallabhaneni Venkatadri Institute of Pharmaceutical Sciences, Seshadri Rao Knowledge village, Gudlalleru-521356 has undergone Industrial Training in our premises for a period of one month from 10-06-2023 to 09-07-2023.

During above mentioned period we observed that she is sincere and hard working.

We wish her all the success in her future endeavours.

For DR.JAI LIFE SCIENCES



Authority Signature



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, EMAIL : DRJAILIFESCIENCES@GMAIL.COM

DR. JAI LIFE SCIENCES

IEC CODE : ANCPJ8357Q

GST NO : 33ANCPJ8357Q1ZF

PAN NO : ANCPJ8357Q

09-07-2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. G. HIMAJA (209V1R0004) student of Vallabhaneni Venkatadri Institute of Pharmaceutical Sciences, Seshadri Rao Knowledge village, Gudlavaluru-521356 has undergone Industrial Training in our premises for a period of one month from 10-06-2023 to 09-07-2023.

During above mentioned period we observed that she is sincere and hard working.

We wish her all the success in her future endeavours.

For DR. JAI LIFE SCIENCES



Authority Signature



Ar Rao

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ADDRESS: NO 9 , FIRST FLOOR, KAVARAI STREET , KAVERIPAKKAM , RANIPET DISTRICT, TAMILNADU
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, EMAIL : DRJAILIFESCIENCES@GMAIL.COM

DR. JAI LIFE SCIENCES

IEC CODE : ANCPJ8357Q

GST NO : 33ANCPJ8357Q12F

PAN NO : ANCPJ8357Q

09-07-2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. K. HIMA BINDU (209V1R0005) student of Vallabhaneni Venkatadri Institute of Pharmaceutical Sciences, Seshadri Rao Knowledge village, Gudlavalleru-521356 has undergone Industrial Training in our premises for a period of one month from 10-06-2023 to 09-07-2023.

During above mentioned period we observed that she is sincere and hard working.

We wish her all the success in her future endeavours.

For DR. JAI LIFE SCIENCES



Authority Signature



Armao
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, EMAIL : DRJAILIFESCIENCES@GMAIL.COM

09-07-2023.

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. D. NAGESWARA RAO (209V1R0007)** student of Vallabhaneni Venkatadri Institute of Pharmaceutical Sciences, Seshadri Rao Knowledge village, Gudlavalleru-521356 has undergone Industrial Training in our premises for a period of one month from **10-06-2023 to 09-07-2023**.

During above mentioned period we observed that he is sincere and hard working.

We wish him all the success in his future endeavours,

For **CERA BIOLOGICALS**


Authority Signature



09-07-2023.

TO WHOM SO EVER IT MAY CONCERN

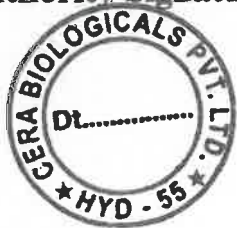
This is to certify that **Mr. S. PRAMODH (209V1R0008)** student of Vallabhaneni Venkatadri Institute of Pharmaceutical Sciences, Seshadri Rao Knowledge village, Gudlalleru-521356 has undergone Industrial Training in our premises for a period of one month from **10-06-2023 to 09-07-2023**.


During above mentioned period we observed that he is **sincere and hard working**.

We wish him all the success in his future endeavours.

For **CERA BIOLOGICALS**


Authority Signature




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DR. JAI LIFE SCIENCES

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GST NO : 33ANCPJ8357Q1ZF

PAN NO : ANCPJ8357Q

09-07-2023.

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This is to certify that Ms. T. CHANDANA SAI (209V1R0009) student of Vallabhaneni Venkatadri Institute of Pharmaceutical Sciences, Seshadri Rao Knowledge village, Gudlavalleru-521356 has undergone Industrial Training in our premises for a period of one month from 10-06-2023 to 09-07-2023.

During above mentioned period we observed that she is sincere and hard working.

We wish her all the success in her future endeavours.

For DR.JAI LIFE SCIENCES



Authority Signature



Handwritten signature
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GST NO : 33ANCPJ8357Q1ZF

PAN NO : ANCPJ8357Q

09-07-2023.

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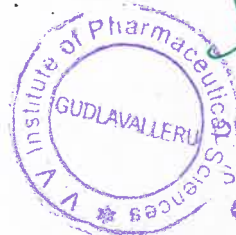
This is to certify that Ms. V. AKHILA LAKSHMI (209V1R0010) student of Vallabhaneni Venkatadri Institute of Pharmaceutical Sciences, Seshadri Rao Knowledge village, Gudlavalleru-521356 has undergone Industrial Training in our premises for a period of one month from 10-06-2023 to 09-07-2023.

During above mentioned period we observed that she is sincere and hard working.

We wish her all the success in her future endeavours.

For DR.JAI LIFE SCIENCES

Authority Signature



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, EMAIL : DRJAILIFESCIENCES@GMAIL.COM

8/22/23, 11:06 AM

Gmail - Request to permit PG students of V.V. Institute of Pharmaceutical Sciences for Campus visit

Sent: Tuesday, January 31, 2023 1:26:16 PM

Subject: Request to permit PG students of V.V. Institute of Pharmaceutical Sciences for Campus visit

[Quoted text hidden]

Dr. Mohan Gandhi Bonthu <bmgandhipharma@gmail.com>
To: Sandeep Kumar <sandeepkumar.ra@niperhyd.ac.in>

Tue, Jan 31, 2023 at 1:56 PM

Dear sir,

Thank you for your response.

Dr. Mohan Gandhi Bonthu,
Associate Professor & HOD,
Department of Pharmaceutical Analysis & Quality Assurance,
V.V. Institute of Pharmaceutical Sciences,
Gudlalleru, Krishna District,
Andhra Pradesh-521356.
Ph: 9866847074/8328211891,
email: bmgandhipharma@gmail.com

[Quoted text hidden]

Dr. Mohan Gandhi Bonthu <bmgandhipharma@gmail.com>
To: Sandeep Kumar <sandeepkumar.ra@niperhyd.ac.in>

Sun, Feb 12, 2023 at 8:17 PM

Good evening sir,

Any update about the campus visit sir. Kindly let me know.

Thank you.

Dr. Mohan Gandhi Bonthu,
Associate Professor & HOD,
Department of Pharmaceutical Analysis & Quality Assurance,
V.V. Institute of Pharmaceutical Sciences,
Gudlalleru, Krishna District,
Andhra Pradesh-521356.
Ph: 9866847074/8328211891,
email: bmgandhipharma@gmail.com

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Arno
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Pharmaceutical Sciences
Seshadri Rao Knowledge Village
GUDLALLERU - 521 356



Dr. Mohan Gandhi Bonthu <bmgandhipharma@gmail.com>

Request for Permission to visit ICRISAT on 09-03-2023: V.V. Institute of Pharmaceutical Sciences

3 messages

Dr. Mohan Gandhi Bonthu <bmgandhipharma@gmail.com>
To: "Arun Balamatti (ICRISAT-IN)" <Arun.Balamatti@icrisat.org>

Fri, Mar 3, 2023 at 12:07 PM

Respected sir,

I am writing this mail on behalf of V.V. Institute of Pharmaceutical Sciences, Gudlavalleru. This mail is in continuation to our previous request to visit ICRISAT. We did not receive acceptance mail from your side sir. Kindly acknowledge and confirm your acceptance to visit the labs on 09-03-2023 so that we shall proceed with our train reservations. Kindly, do the needful.

Thanking you,

Dr. Mohan Gandhi Bonthu,
Associate Professor & HOD,
Department of Pharmaceutical Analysis & Quality Assurance,
V.V. Institute of Pharmaceutical Sciences,
Gudlavalleru, Krishna District,
Andhra Pradesh-521356.
Ph: 9866847074/8328211891,
email: bmgandhipharma@gmail.com

Arun Balamatti (ICRISAT-IN) <Arun.Balamatti@icrisat.org>
To: "Dr. Mohan Gandhi Bonthu" <bmgandhipharma@gmail.com>

Fri, Mar 3, 2023 at 12:13 PM

Dear Dr. Bonthu,

I have shared your request with our Nutrition Research program, I am awaiting their reply. If they confirm I will let you know. I will also ask them for alternative dates if it is convenient for you.

Thanks, Regards,

Arun Balamatti Ph.D.

Senior Manager - Visitor Services and Protocol Management
Communications



Awarded the
Africa Food Prize 2021

Save lives of your family and colleagues



Wear mask at
workplace
and in groups



Maintain
physical
distance



Sanitize
hands
frequently



Keep hands
away from
your face

PRINCIPAL

V. V. Institute of
Pharmaceutical SciencesSeshadri Rao Knowledge Village
GUDLAVALLERU - 521 356

8/22/23, 11:08 AM

Gmail - Request for Permission to visit ICRISAT on 09-03-2023: V.V. Institute of Pharmaceutical Sciences

Tel +91 8455683071 (Extn: 2170), Fax +91 8455683074, Mobile +91 9121003044

International Crops Research Institute for the Semi-Arid Tropics

Patancheru, Hyderabad, Telangana – 502324, India

[Quoted text hidden]

Dr. Mohan Gandhi Bonthu <bmgandhipharma@gmail.com>
To: "Arun Balamatti (ICRISAT-IN)" <Arun.Balamatti@icrisat.org>

Fri, Mar 3, 2023 at 12:19 PM

Dear sir,

Thank you for your reply. We will wait for the confirmation mail from the respective nutrition department for 09-03-2023 date sir. Kindly, let us know their acceptance whenever you receive the information.

Thank you sir,

Dr. Mohan Gandhi Bonthu,
Associate Professor & HOD,
Department of Pharmaceutical Analysis & Quality Assurance,
V.V. Institute of Pharmaceutical Sciences,
Gudlalleru, Krishna District,
Andhra Pradesh-521356.
Ph: 9866847074/8328211891,
email: bmgandhipharma@gmail.com

[Quoted text hidden]


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GUDLAVALLERU - 521 356





Dr. Mohan Gandhi Bonthu <bmgandhipharma@gmail.com>

Request to permit PG students of V.V. Institute of Pharmaceutical Sciences for Industrial visit

1 message

Dr. Mohan Gandhi Bonthu <bmgandhipharma@gmail.com>
To: Emandi.vijay@eugia.co.in

Sun, Feb 12, 2023 at 8:09 PM

Dear sir,

I am writing this mail on behalf of V.V. Institute of Pharmaceutical Sciences, Gudlavalleru, Krishna District, Andhra Pradesh. We have 11 PG students (Pharmaceutics: 6 & Pharmaceutical Analysis: 5) who are pursuing their PG projects in our college. As a part of the academic development program we are planning to make our PG final year students visit reputed academic, research and industrial organizations so that they get motivated for further research. In this regard, we request you to allow our students along with 2 faculty members to visit your industry/plant for 1 day, so that they get exposure to different laboratories & equipment used in industry. We are ready to bear the expenses to our students in all aspects. We would be very grateful to you if you could arrange 1 day visit for our students. Kindly, consider this mail as an official request and do the needful. Thank you for your time.

Yours sincerely,

Dr. Mohan Gandhi Bonthu,
Associate Professor & HOD,
Department of Pharmaceutical Analysis & Quality Assurance,
V.V. Institute of Pharmaceutical Sciences,
Gudlavalleru, Krishna District,
Andhra Pradesh-521356.
Ph: 9866847074/8328211891,
email: bmgandhipharma@gmail.com



Ar Rao
PRINCIPAL
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Dr. Mohan Gandhi Bonthu <bmgandhipharma@gmail.com>

Request to permit PG students of V.V. Institute of Pharmaceutical Sciences for Campus visit

4 messages

Dr. Mohan Gandhi Bonthu <bmgandhipharma@gmail.com>
To: sandeepkumar.ra@niperhyd.ac.in

Tue, Jan 31, 2023 at 1:26 PM

Dear sir/madam,

I am writing this mail on behalf of V.V. Institute of Pharmaceutical Sciences, Gudlavalleru, Krishna District, Andhra Pradesh. We have 11 PG students (Pharmaceutics: 6 & Pharmaceutical Analysis: 5) who are pursuing their PG projects in our college. As a part of the academic development program we are planning to make our PG final year students visit reputed academic & research organizations so that they get motivated for further research. In this regard, we request you to allow our students along with 2 faculty members to visit your campus for 1/2 days, so that they get exposure to different laboratories & equipment used in research. We are ready to bear the expenses to our students in all aspects. We would be very grateful to you if you could arrange a 1/2 days workshop/training session for our students. Kindly, consider this mail as an official request and do the needful. Thank you for your time.

Yours sincerely,

Dr. Mohan Gandhi Bonthu,
Associate Professor & HOD,
Department of Pharmaceutical Analysis & Quality Assurance,
V.V. Institute of Pharmaceutical Sciences,
Gudlavalleru, Krishna District,
Andhra Pradesh-521356.
Ph: 9866847074/8328211891,
email: bmgandhipharma@gmail.com

Sandeep Kumar <sandeepkumar.ra@niperhyd.ac.in>
To: bmgandhipharma@gmail.com

Tue, Jan 31, 2023 at 1:48 PM

Dear Dr. Gandhi

I acknowledge the receipt of the email. I will do needful. Be in touch to keep both of us updated in this regard.

Warm Regards and Thanks,
Dr. Sandeep Kumar
Assistant Professor
Department of Regulatory Affairs

National Institute of Pharmaceutical Education and Research (NIPER)
Department of Pharmaceutical, Ministry of Chemicals and Fertilizers (Govt. of India)
Balanagar, Hyderabad, 500037, Telangana
Mobile: 9215561983
email: sandeepkumar.ra@niperhyd.ac.in

From: bmgandhipharma@gmail.com
To: "Sandeep Kumar" <sandeepkumar.ra@niperhyd.ac.in>



Handwritten signature
PRINCIPAL
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E-mail : venkatadripharmacy@gmail.com, Website : www.vvipsgudlavalleru.ac.in

Date: 28-02-2023

CIRCULAR

This is to inform that the college is organizing two days industrial visit to BIO FACT RESEARCH PVT LTD and Andhra Pradesh Medtech Azone for II B.Pharmacy students. Interested students give their names to the respective class incharges on or before 03/03/2023.

Details of the industrial visit furnished below:

Details of the Industries-

1. BIO FACT RESEARCH PVT. LTD.
Gajuwaka,
Visakhapatnam-530012.
2. Andhra Pradesh Medtech Zone (AMTZ),
Nadupuru village,
Visakhapatnam-530044.

Date of the Visit: 08-03-2023 & 09-03-2023



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**V. V. Institute of
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Seshadri Rao Knowledge Village
GUDLAVALLERU - 521 356**



V. V. INSTITUTE OF PHARMACEUTICAL SCIENCES

Seshadri Rao Knowledge Village, Gudlavalleru - 521 356.

SCHEDULE OF THE INDUSTRIAL VIST

S. No.	Day	Time	Action
Day-1 (BIO FACT RESEARCH PVT. LTD.)			
1.	08-03-2023	9.45 A.M	Arrival at company premises
		10.00 A.M – 1.00 P.M	Conduct of Visit
		1.00 P.M – 1.30 P.M	Lunch
		1.30 P.M – 4.30 P.M	Conduct of Visit
		4.35 P.M	Departure from company premises
Day-2 (Andhra Pradesh Medtech Zone (AMTZ))			
2.	09-03-2023	9.45 A.M	Arrival at company premises
		10.00 A.M – 1.00 P.M	Conduct of Visit
		1.00 P.M – 1.30 P.M	Lunch
		1.30 P.M – 4.30 P.M	Conduct of Visit
		4.35 P.M	Departure from company premises

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Pharmaceutical Sciences
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GUDLAVALLERU - 521 356

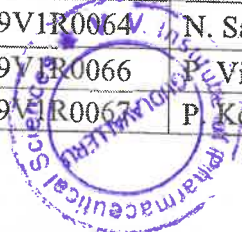


V. V. INSTITUTE OF PHARMACEUTICAL SCIENCES

Seshadri Rao Knowledge Village, Gudlavalleru - 521 356.

LIST OF STUDENTS ATTENDED FOR INDUSTRIAL VISIT DURING A.Y. (2022-2023)

S. No.	Roll No.	NAME OF THE STUDENT	SIGNATURE OF THE STUDENT
1	219V1R0001	K. Baby Lakshmi Sravani	K. Sravani
2	219V1R0003	L. Balasubrahmanyam	L. Balu Subrahmanyam
3	219V1R0004	R. Sravani	R. Sravani
4	219V1R0008	B. Navya	B. Navya
5	219V1R0009	B. Sasikanth	B. Sasi Kanth
6	219V1R0014	Ch. Narasimha Naidu	Ch. Narasimha Naidu
7	219V1R0016	Ch. Mithali	Ch. Mithali
8	219V1R0017	Ch. J.N.D.S Paidi Pranitha	Ch. Jigeesha
9	219V1R0018	D.G.N.V. Gayathri	D. Gayathri
10	219V1R0022	G. Tulasi	G. Tulasi
11	219V1R0023	G. Goutham Sai	G. Goutham Sai
12	219V1R0024	G. Manasa	G. Manasa
13	219V1R0026	G. Bhargavi Sudeeshma	G. Bhargavi Sudeeshma
14	219V1R0028	G. Syamalamba	G. Syamalamba
15	219V1R0029	G. Uma Naga Tulasi	G. Uma Naga Tulasi
16	219V1R0031	G. Vani	G. Vani
17	219V1R0037	K. Harshitha	K. Harshitha
18	219V1R0038	K. Hemalatha	K. Hemalatha
19	219V1R0039	K. Vidya	K. Vidya
20	219V1R0041	K. Lalithakumari	K. Lalitha Kumari
21	219V1R0042	K. Sneha Sree	K. Sneha Sree
22	219V1R0047	M. Liyakhatunnisa	Liyakhatunnisa
23	219V1R0048	M. Srirsha	M. Srirsha
24	219V1R0049	M. Vinay Kumar	M. Vinay Kumar
25	219V1R0051	M. Kavya	M. Kavya
26	219V1R0055	M. Gayathri Vana Malika	M. Gayathri Vanamalika
27	219V1R0057	Md Rasool	Md. Rasool
28	219V1R0058	Md Vanisha Begum	Md. Vanisha Begum
29	219V1R0059	M. Devika	M. Devika
30	219V1R0063	N. Linisha	N. Linisha
31	219V1R0064	N. Sai Sruthi	N. Sai Sruthi
32	219V1R0066	P. Vijaya Preethi	P. Vijaya Preethi
33	219V1R0067	P. Keerthana	P. Keerthana



Pharmaceutical Science:

Seshadri Rao Knowledge Village

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V. V. INSTITUTE OF PHARMACEUTICAL SCIENCES

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Phone : 08674-274649, Fax : 08674-274441

E-mail : venkatadripharmacy@gmail.com, Website : www.vvipsgudlavalleru.ac.in

Ref: VVIPS/TP/2023/

Date: 06-03-2023.

To,

Sri PARVATHANENI NAGARJUNA,

Associate vice president & CCO,

BIO FACT RESEARCH PVT. LTD.

GAJUWAKA,

VISAKHAPATNAM-530012.

Dear Sir,

Sub:- Seeking permission for Industrial Visit-Reg.

*** **

We, V. V. Institute of Pharmaceutical Sciences, Gudlavalleru affiliated to JNTUK, Kakinada request you to permit our II Year B.Pharmacy students (58 students) accompanied by 2 faculty members for industrial visit at your facility in Visakhapatnam on 8th March, 2023. This will be helpful for them to obtain knowledge regarding the pharmaceutical industry. Kindly do the needful for the academic benefit of our students. We anticipate a positive response from your end.

Thanking you sir,

Yours sincerely


PRINCIPAL

V.V. Institute of
Pharmaceutical Sciences
Seshadri Rao Knowledge Village
GUDLAVALLERU - 521 356





V. V. INSTITUTE OF PHARMACEUTICAL SCIENCES

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Phone : 08674-274649, Fax : 08674-274441

E-mail : venkatadripharmacy@gmail.com, Website : www.vvipsgudlavaluru.ac.in

Ref: VVIPS/TP/2023/

Date: 03-03-2023.

To,

The Head (Training department),

Andhra Pradesh Medtech Zone (AMTZ),

Nadupuru village,

Visakhapatnam-530044.

Dear Sir,

Sub:- Seeking permission for Industrial Visit-Reg.

We, V. V. Institute of Pharmaceutical Sciences, Gudlavaluru affiliated to JNTUK, Kakinada request you to permit our II Year B.Pharmacy students (58 students) accompanied by 2 faculty members for industrial visit at your facility in Visakhapatnam on 9th March, 2023. This will be helpful for them to obtain knowledge regarding the pharmaceutical industry. Kindly do the needful for the academic benefit of our students. We anticipate a positive response from your end.

Thanking you sir,

Yours sincerely


PRINCIPAL

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Seshadri Rao Knowledge Village
GUDLAVALLERU - 521 356





Dear Sir,

Thanks for your interest to visit AMTZ on 9th March (Thursday), please plan your travel accordingly.

Disclaimer *****

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***** End of Disclaimer *****

Nitturi Naresh Kumar Scientist - D, Accreditations & Trainings

Mob: +91 8897330990

Email : n.nareshkumar@ibsc-amtz.in



Andhra Pradesh MedTech Zone Ltd

(An Enterprise of Government of Andhra Pradesh)

AMTZ Campus, Pragati Maidan,

VM Steel Project S.O., Vishakhapatnam,

Andhra Pradesh – 530031, INDIA

Phone : +91 8885092122

Email : info@amtz.in

Website : www.amtz.in



Amr

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Phone : 08674-274649, Fax : 08674-274441

E-mail : venkatadripharmacy@gmail.com, Website : www.vvipsgudlavalleru.ac.in

Dr. A. Lakshmana Rao

M.Pharm., Ph.D., FIC, FAGE.

Principal

Ref: VVIPS/IV/2023/

Date: 13-03-2023.

To,

Sri PARVATHANENI NAGARJUNA,

Associate vice president & CCO,

BIO FACT RESEARCH PVT. LTD.

GAJUWAKA,

VISAKHAPATNAM-530012.

Dear Sir,

On behalf of V.V. Institute of Pharmaceutical Sciences, We are very much thankful to you for allowing our II Year B.Pharmacy students to visit your esteemed organization on 08th March, 2023. At this junction, we would like to mention that our students had privilege of visiting your esteemed industry which helped them to gain much practical knowledge. Your timely help and service is highly appreciable.

We look forward for your continuing co-operation in this regard.

Thanking you sir,

Yours sincerely



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V.V. INSTITUTE OF PHARMACEUTICAL SCIENCES

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Phone : 08674-274649, Fax : 08674-274441

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Dr. A. Lakshmana Rao

M.Pharm., Ph.D., FIC, FAGE.

Principal

Ref: VVIPS/IV/2023/

Date: 13-03-2023.

To,

The Head (Training department),

Andhra Pradesh Medtech Zone (AMTZ),

Nadupuru village,

Visakhapatnam-530044.

Dear Sir,

On behalf of V.V. Institute of Pharmaceutical Sciences, We are very much thankful to you for allowing our II Year B.Pharmacy students to visit your esteemed organization on 09th March, 2023. At this junction, we would like to mention that our students had privilege of visiting your esteemed industry which helped them to gain much practical knowledge. Your timely help and service is highly appreciable.

We look forward for your continuing co-operation in this regard.

Thanking you sir,



Yours sincerely

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Seshadri Rao Knowledge Village

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V. V. INSTITUTE OF PHARMACEUTICAL SCIENCES

Seshadri Rao Knowledge Village, Gudlavalleru - 521 356.

INDUSTRIAL VISIT REPORT

Date: 13-03-2023

We started on 07-03-2023 to Visakhapatnam from Gudlavalleru through train with 58 students along with two faculties and reached by 6.00 A.M. Started our industrial visit on 08-03-2023 and reached company by 9.45 A.M.

Day 1:

Biofact research Pvt. Ltd., is a contract research organization, started operations in 2019 with a thirst to provide regulatory compliant research and developmental services to Pharma, Biotech, Medical Devices, Food and Water and Agrochemical Industries in line with the all-applicable current regulatory standards.

The general manager of the company introduced the students and faculty members to Sr. Manager of the company. Students are segregated into different batches and were taken into each department of the company.

Infrastructure

- It is the laboratory implementing paper less data management and all the laboratory activities are performed, monitored and tracked through a validated online data management system. The data is maintained, accurately & consistently assured throughout its life cycle to ensure 21CFR part 11 compliance.
- Sophisticated high-end equipment from world's best manufacturers with latest technology, handled by qualified analysts, properly calibrated and well maintained to offer unsurpassed solutions to support the research and developmental requirements of the customer.

Started our industrial visit on 09-03-2023 and reached company by 9.45 A.M.

Day 2:

Andhra Pradesh Medtech zone LTD Medivalley Incubation Council The innovation arm of the pioneering medical device manufacturing ecosystem, the Andhra Pradesh MedTech Zone (AMTZ), Medi Valley Atal Incubation Centre is funded by NITI Aayog under the Atal Innovation Mission.

AMTZ IC-SCR, the IEC (Institutional Ethics Committee) aims to facilitate the focused research involving human participants following local and international ethical guidelines.



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GUDLAVALLERU - 521 356

The committee owns the responsibility to ensure the protection of the rights, safety and well-being of human subjects.

The general manager of the company introduced the students and faculty members to Sr. Manager of the company. Students are segregated into different batches and were taken into each department of the company.

BENIFITS OF THE VISIT:

- Students understand the functioning of the industry
- They interact with industrial experts
- Outlook of students with exposure to the working environment is improved.



AMEE
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← <https://canvas.instructure.com/profile> [Browser icons]

☰ Dr. Raveesha Peeriga's Profile

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Dr. Raveesha Peeriga (She/Her) [Edit Profile](#)

LMS

Contact

Biography

I am Dr. Raveesha Peeriga, working as an Associate Professor in WVIPS Gudlavalleru. I have 10 years of experience in teaching.

Links

[Dr](#)



Handwritten signature in green ink

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https://canvas.instructure.com

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Enrolled Courses (4)

HERBAL DRUG TECHNOLOGY
BPH209T

PHARMACOGNOSY
PHARMACOGNOSY

Pharmacognosy & Phytochemistry...
BP504T

E-Content Development and LMS
ECD

herbal drugs
PHARMACOGNOSY
0 points • No Due Date

Grade MCQs - I
BP504T
10 points • No Due Date

Grade MCQs - II
BP504T
10 points • No Due Date

Grade MCQs - II Part II
BP504T
10 points • No Due Date

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Unpublish Published

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New Announcement
New Analytics
View Course Notifications

To Do
Grade MCQs - I 10 points • No Due Date
Grade MCQs - II 10 points • No Due Date
Grade MCQs - II Part II 10 points • No Due Date

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New Analytics

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UNIT I.docx

UNIT-II
UNIT II.docx

UNIT-III
UNIT III.docx



Arjun
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This assignment does not count towards the final grade.

Submission Details

Grade: / 10 [Show Rubric](#)

I MID ASSIGNMENTS

219V1R0056 submitted Sep 24, 2023 at 7:42pm


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BP504T > Grades > 219V1R0056

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Grades for 219V1R0056

Print Grades

Total: N/A (N/A)
 Show Saved "What-If" Scores
 Show All Details

Arrange By
 Due Date

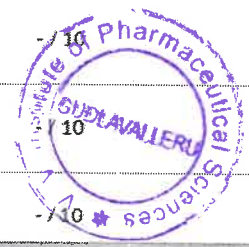
Assignments

Name	Due	Submitted	Status	Score
I MID ASSIGNMENTS A & B BATCH ASSIGNMENTS (I&II MID)		Sep 24, 2023 at 7:42pm		0 / 10
II mid Assignments A & B BATCH ASSIGNMENTS (I&II MID)				- / 10
II MID ASSIGNMENTS ONLINE QUIZ A & B BATCH ASSIGNMENTS (I&II MID)				- / 10
MCQs - I A & B BATCH ASSIGNMENTS (I&II MID)				- / 10
MCQs - II A & B BATCH ASSIGNMENTS (I&II MID)				- / 10
MCQs - II Part II A & B BATCH ASSIGNMENTS (I&II MID)				- / 10

Course assignments are not weighted.

Calculate based only on graded assignments

You can view your grades based on What-If scores so that you know how grades will be affected by upcoming or resubmitted assignments. You can test scores for an assignment that already includes a score, or an assignment that has yet to be graded.



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- Modules
- Collaborations

This assignment does not count towards the final grade.

Submission Details

Grade: / 10
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I MID ASSIGNMENTS

219V1R0064 submitted Sep 25, 2023 at 1:03pm

219V1R0064.pdf 2.55 MB [View Feedback](#)

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Grades for 219V1R0064

Print Grades

Total: 98% (A)
NOTE: This is NOT your official score.

Arrange By

Due Date Apply

Assignments Learning Mastery

Name	Due	Submitted	Status	Score
I MID ASSIGNMENTS A & B BATCH ASSIGNMENTS (I&II MID)	Sep 25, 2023 at 1:03pm		←	10 / 10 ⓘ
II mid Assignments A & B BATCH ASSIGNMENTS (I&II MID)			←	10 / 10
II MID ASSIGNMENTS ONLINE QUIZ A & B BATCH ASSIGNMENTS (I&II MID)			←	10 / 10
MCQs - I A & B BATCH ASSIGNMENTS (I&II MID)			←	10 / 10
MCQs - II A & B BATCH ASSIGNMENTS (I&II MID)			←	9 / 10
MCQs - II Part II A & B BATCH ASSIGNMENTS (I&II MID)			←	10 / 10
Open book test for II mid A & B BATCH ASSIGNMENTS (I&II MID)				<input type="text" value="10"/> / 10

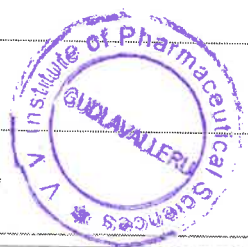
Revert to Actual Score

Show All Details

Course assignments are not weighted.

Calculate based only on graded assignments

You can view your grades based on What-If scores so that you know how grades will be affected by upcoming or resubmitted assignments. You can test scores for an assignment that already includes a score, or an assignment that has yet to be graded.



AS/AD
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- Grades
- Files
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- Modules
- Collaborations

This assignment does not count towards the final grade.

Submission Details

Grade: / 10
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I MID ASSIGNMENTS

219V1R0083 submitted Sep 24, 2023 at 7:18pm

DocScanner Sep 25, 2023 6:43 AM.pdf 2.12 MB



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Grades for 219V1R0083

Print Grades

Arrange By

Due Date

- Assignments
- Learning Mastery

Name	Due	Submitted	Status	Score
I MID ASSIGNMENTS A & B BATCH ASSIGNMENTS (I&II MID)		Sep 24, 2023 at 7:18pm		<40 / 10
II mid Assignments A & B BATCH ASSIGNMENTS (I&II MID)				<40 / 10
II MID ASSIGNMENTS ONLINE QUIZ A & B BATCH ASSIGNMENTS (I&II MID)				<40 / 10
MCQs - I A & B BATCH ASSIGNMENTS (I&II MID)				<9 / 10
MCQs - II A & B BATCH ASSIGNMENTS (I&II MID)				<40 / 10
MCQs - II Part II A & B BATCH ASSIGNMENTS (I&II MID)				<40 / 10

Total: 98% (A)

Show Saved "What-If" Scores

NOTE: This is NOT your official score.

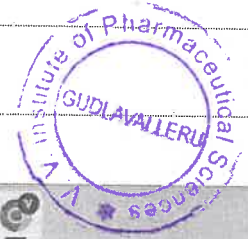
Revert to Actual Score

Show All Details

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SRI SATHYA SAI SEVA ORGANISATIONS
EDUCATION WING – ANDHRA PRADESH



SRI SATHYA SAI STATE LEVEL ESSAY WRITING COMPETITION - 2022

CERTIFICATE

OF WINNER

This is to certify that Mr./Ms./Master K. Gopal
of VV Institute of Pharmacy School/College from Gudlavalleru
Krishna District from High School/Junior College/Degree College Category is the
Consolation
~~First/Second/Third~~ Prize Winner at SAMITHI LEVEL in English/Telugu Language in the "Sri Sathya Sai State

Level Essay Writing Competition - 2022".

D. Sairam

D. Sairam
District Coordinator - Education Wing

[Signature]

Samithi Convenor

[Signature]

District President



[Signature]
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FOR BETTER PROFESSIONAL CAREER

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Participated in **2022 Pharmacy Week Celebrations Quiz**
Competition & Has Secured **84/100** Points.

Event : **Pharmacy Week Celebrations-2022**
Conducted by **clinOXY Solutions Private Limited, Hyderabad.**



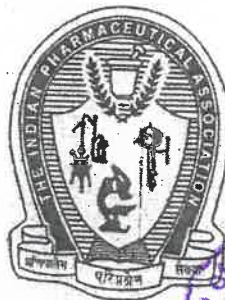
**VEMAVARAPU
SATISH KUMAR**
FOUNDER & CEO CLINOXY
MEMBER OF IPA



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Gudlavallabhpet, Hyderabad
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APPRECIATION CERTIFICATE

This certificate is provided to

D. G. N. V. GAYATHRI of

VVIRS
for winning FIRST Prize' in oral/poster competition for his/her presentation during

21ST INDO-US INTERNATIONAL CONFERENCE

Theme: "Global Challenges & Current Updates in Pharmaceutical Sciences"

*organized by APP Karnataka State Branch and APP American International Branch
in collaboration with APP BioTech Division at Sir C.R. Reddy College of Pharmaceutical Sciences
Eluru, Andhra Pradesh in celebration of 'Pharmacy Week 2022'.*

Given on 25th-26th day of November 2022.

PROF. A. NARENDRA BABU
Convener & Principal
Sir C.R. Reddy College of Pharmaceutical Sciences
Eluru, Andhra Pradesh, INDIA



DR. SUNITA DAHIA
General Secretary APP
School of Pharmacy, University of Puerto Rico
San Juan, Puerto Rico

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Seshadri Rao Knowledge Villa^{re}
GUDLAVALLERU - 521 356



Shri Vishnu College of Pharmacy
(Autonomous)
Vishnupur, Bhimavaram

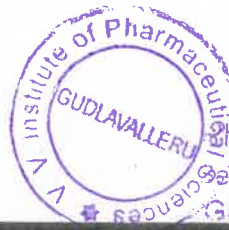
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ANNIVERSARY

A One Day National Conference on “Current Trends & Future Prospects in Pharmaceutical Research”

CERTIFICATE

This is to certify that Dr./Mr./Ms. K. Kavya of V.V. Institute of Ph. Sciences, Gudlavalleru., has participated / presented the e-poster entitled Real World data evidences on oncology on the eve of Silver Jubilee Celebrations of Shri Vishnu College of Pharmacy (Autonomous), Bhimavaram on 08th December, 2022.

Dr. A. Srinivasa Rao
Co-Convenor



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Gashadri Rao Knowledge Village
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Dr. K. S. Nataraj
Convenor & Principal



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on

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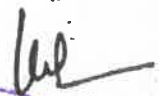
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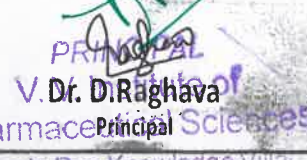
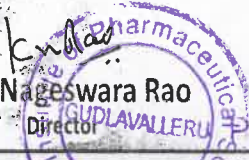
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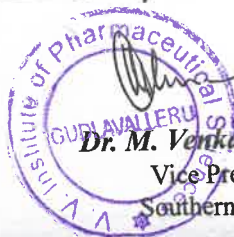
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पद Designation:
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अवधि

of Duration

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अर्जित किया

having earned

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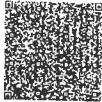
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IIIrd B.Pharmacy, Ist Semester

IInd Mid Assignment & open book test Submission.

Subject :- Medical chemistry - II

Topic :- classification of Anti-hyperlipidemics.
(Assignment) Mechanism of Action, uses and
adverse effects of fibrates, HMGCoA
reductase inhibitors and Bile acid
sequesterants.

Open book test :- cardiac glycosides and
anti-hyperlipidemic agents.

Submitted by :-

B. Tejaswini

209VIR0019

Submitted to :-

Ms. B. Satya Sree Mam.

3



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OPEN BOOK TEST

Cardiac glycosides :-

The cardiac glycosides are an important class of naturally occurring drugs, the actions of which include both beneficial and toxic effects on the heart. Their desirable cardiotoxic action is of particular benefit in the treatment of congestive heart failure and associated edema, and their preparations have been used as medicinal agents as well as poisons since 1500 BC. The therapeutic use of purified cardiac glycoside preparations have occurred only over the last century. Today, the cardiac glycosides represent one of the most important drug classes available to physician for the treatment of congestive heart failure (CHF).

Chemistry of cardiac glycosides :-

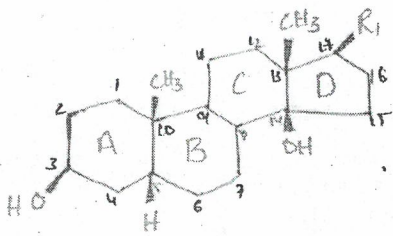
Cardiac glycosides and other similar glycosides are composed of two portions, the sugar moiety and the non-sugar moiety.

Aglycone:

The aglycone portion of the cardiac glycosides is a steroid nucleus with a unique set of fused rings, which make these agents easily distinguished from the other steroids. Ring A-B and C-D are cis fused, where as ring B have a trans configuration. The steroid nucleus also carries, in most cases, two angular methyl groups at C-10 and C-13. The lactone ring at C-17 is another major structural feature of the cardiac aglycones. In most cases, the cardiac glycosides of plant origin the cardenolides possess as 5-membered α, β -saturated lactone ring, where as those derived from animal origin the bufadienolides possess a 6-membered lactone ring with two conjugated double bonds.

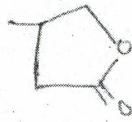


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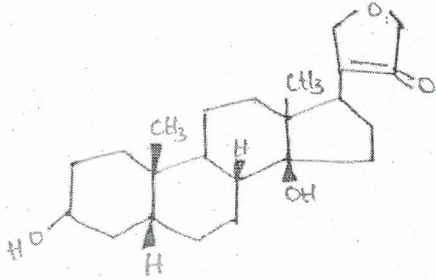


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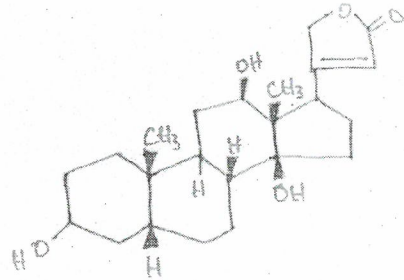
class



cardenolide.



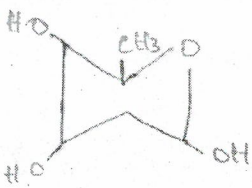
Digitoxigenin.



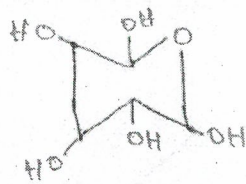
Digoxigenin.

Sugars :-

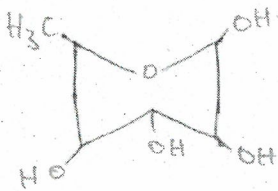
The hydroxyl group at C-3 of aglycone portion usually conjugated to a monosaccharide (or) a polysaccharide with β -1,4-glycoside linkage. The most commonly found sugars in the cardiac glycosides are D-glucose, D-digitoxose, L-rhamnose, D-cymarose.



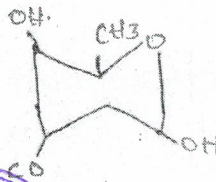
β -D-Digitoxose.



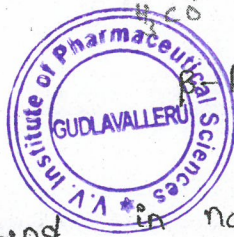
β -D-Glucose.



β -L-Rhamnose.



D-Cymarose



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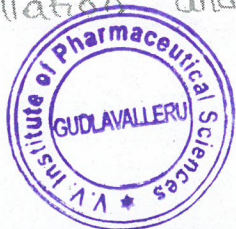
Selected sugars found in naturally occurring cardiac glycosides.

Mechanism of action of cardiac glycosides:-

- cardiac glycosides shows its action either by direct (or) indirect mechanism.
- In normal resting state there is more amount of sodium present outside the myocardium.
- During depolarisation due to influx of Na^+ ions, the elevated action potential was observed.
- The influxed Na^+ ions further activates Ca^{2+} ion channels and increase the influx of Ca^{2+} moderately (plateau in graph was observed) which leads to myocardial contraction.
- further potassium ions effluxed out to restore normal action potential.
- The exchange of Na^+ and K^+ ions occurs through Na^+/K^+ ATPase pump and it is energy dependent.
- cardiac glycosides like Digitalis inhibit Na^+/K^+ ATPase enzyme further prevent exchange of Na^+ ions with K^+ ions which in turn results in accumulation of Ca^{2+} ions.
- elevated intracellular Ca^{2+} triggers a series of intracellular biochemical changes that ultimately results in myocardial contraction.

Therapeutic uses:-

→ Although the primary clinical use for digoxin is in the treatment of CHF, this agent, also used in case of atrial flutter (or) fibrillation and paroxysmal atrial tachycardia.



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Anti-Hyperlipidemics

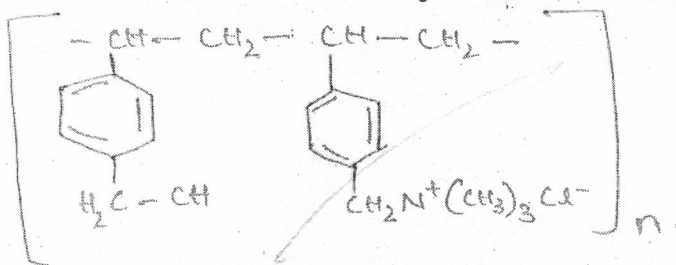
The agents (or) substances used to reduce the concentration of unwanted lipids in blood circulation are known as Anti-hyperlipidemic agents.

* The major action of the drugs is to decrease LDL levels, (or) increase VLDL (or) HDL levels.

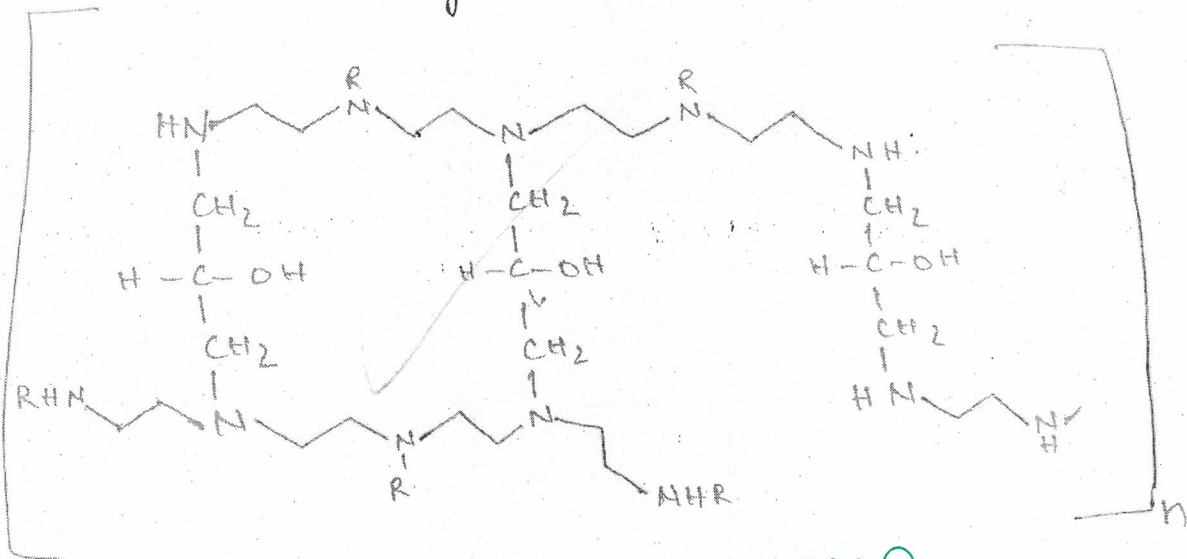
Classification of Hyperlipoproteinemias:-

These are classified into 4 types:-

1. Bile acid sequestering agents:-



cholestyramine.



Colestipol.



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Mechanism of action of sequestering agents:-

Bile acid sequestrants
(cholestyramine & colestipol)



Increase bile acid secretion.



Increase bile acid synthesis from cholesterol
(Activates 7 α -hydroxylase).



Decrease intrahepatic cholesterol pool.



Increase LDL receptor
expression.



Increase LDL utilization.



Decrease LDL levels.



Anti-hyperlipidemic action.



Increase HMGCo-A
reductase.



Increase VLDL



Anti-hyperlipidemic
action.

Uses:-

- used as Anti-hyperlipidemic agent
- used for the treatment of hypercholesterolemia.
- cholestyramine and colestipol are contraindicated in patients with primary biliary cirrhosis, because this can further raises serum cholesterol.

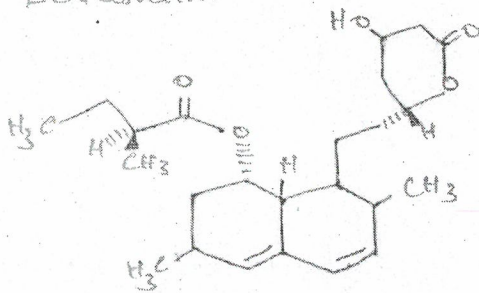


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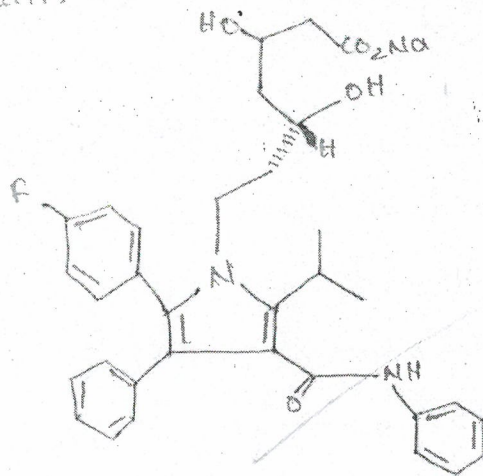
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2. HMG Co-A reductase inhibitors:-

Eg:- Lovastatin.



Atorvastatin



Mechanism of action:-

HMG Co-A reductase inhibitors inhibit the biosynthesis of cholesterol by inhibiting the HMG Co-A reductase enzyme. HMG Co-A reductase involved in conversion of HMG Co-A to mevalonic acid. HMG Co-A reductase inhibitors inhibit synthesis of mevalonate and inhibit cholesterol biosynthesis. Simultaneously increases the uptake of LDL and increases the expression of LDL receptors and decreases plasma concentration of LDL.

Uses:-

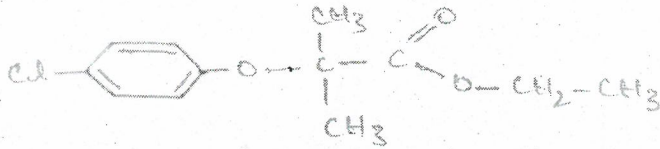
- used as anti-hyperlipidemic agent and to treat atherosclerosis.
- Atorvastatin, Lovastatin specifically indicate to reduce mortality in congestive heart failure (CHF).



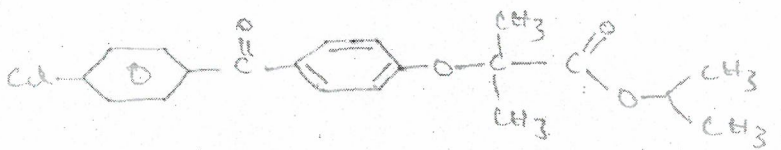
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3. Fibrates:

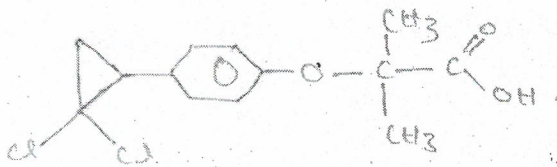
Eg:- clofibrate.



Fenofibrate.



Ciprofibrate.



Mechanism of Action :-

clofibrate (fibrates)

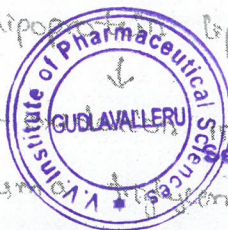
↓
 Binds with PPAR α (Peroxisome proliferated activated receptor α)
 in hepatocytes.

↓
 1. Increase synthesis of apo A-I and apo A-II in liver cells.
 ↓
 Increase plasma concentration of HDL.

↓
 2. Decrease synthesis of apo c-III in hepatocytes.

↓
 Decrease lipoprotein lipase activity in muscle and vascular tissue.

↓
 Increase β -oxidation of fatty acids in muscle and vascular tissue and decrease plasma triglycerides.



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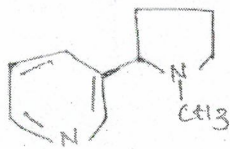
3. Increases β -oxidation in hepatocytes and decrease plasma triglycerides.

Uses:-

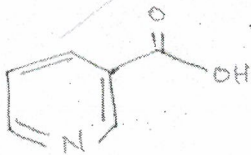
- used to treat hyper triglyceridemia.
- used in combination with HMG co-A reductase inhibitors and bile acid sequestering agents for treatment of cardiac diseases.

4. Nicotinic acid derivatives:-

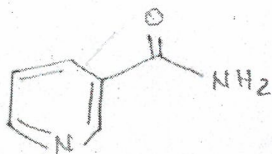
Eg:- Nicotine.



Nicotinic acid.

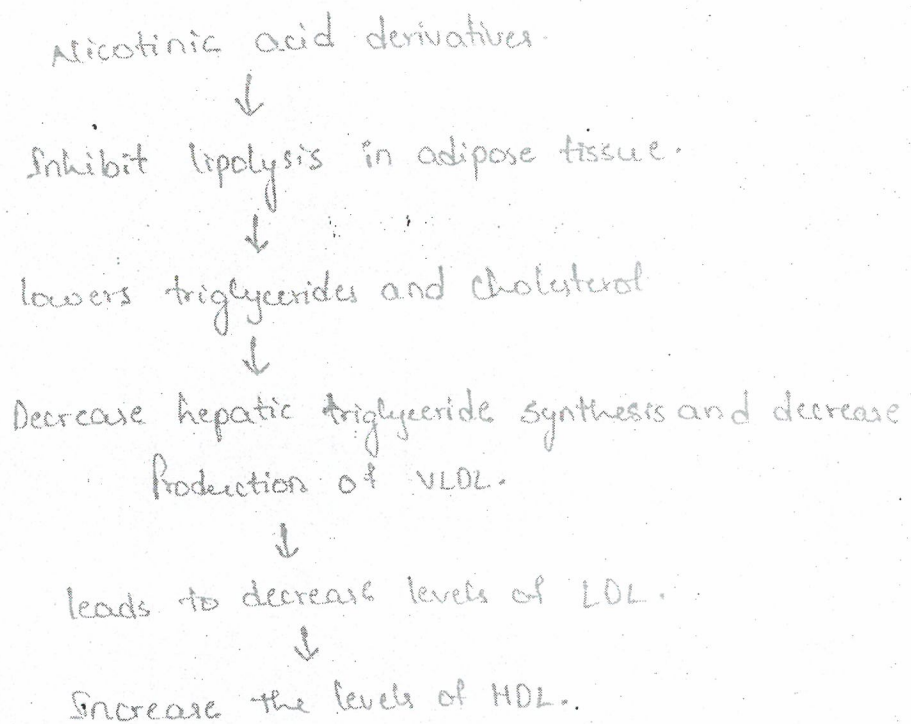


Nicotinamide



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Mechanism of action:-



Uses:-

- used in treatment of hypercholesterolemia, hypertriglyceridemia, hyperlipidemia.
- It is also used as nutritional supplementation in prevention of Pellagra.

References:-

Foyes principles of medicinal chemistry 6th edition,
Pg. No: 798-817 & Pg. No: 698-704.



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Assignment

Anti-hyperlipidemic agents

Definition:-

The agents (or) substances used to reduce the concentration of lipids in systemic circulation are known as Anti-hyperlipidemic agents.

Classification:-

Majorly classified as follows :-

1. Bile acid sequestering agents

Eg:- cholestyramine
colestipol.

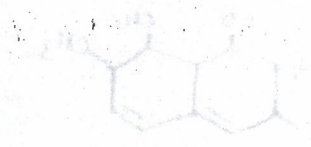
2. HMG CO-A reductase inhibitors

Eg:- Lovastatin
Simvastatin
Atorvastatin
Fluvastatin.

10

3. Fibrates

Eg:- clofibrate
fenofibrate
Gemfibrate
Bezafibrate



4. Nicotinic acid derivative

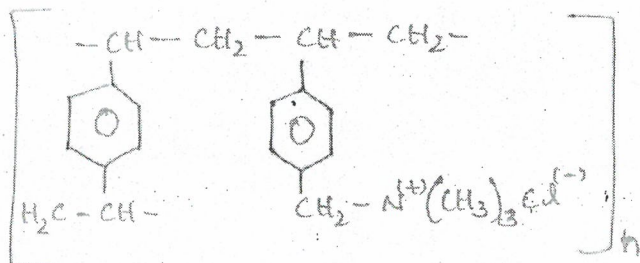
Eg:- Nicotine
Nicotinic acid
Nicotinamide.



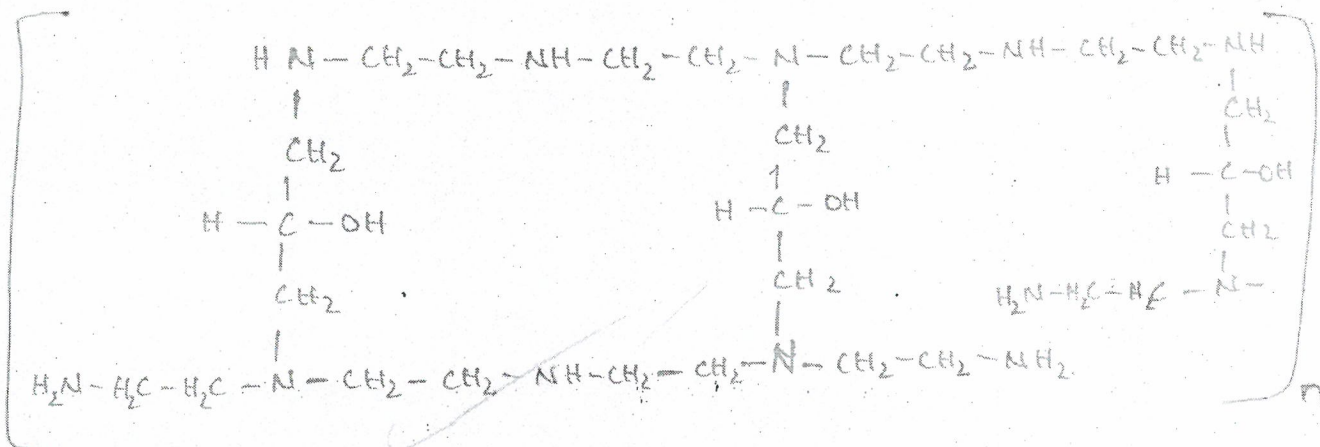
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1. Bile acid sequestering agents :-

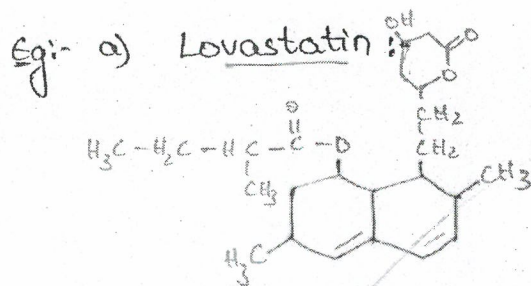
Eg:- a) cholestyramine :-



b) colestipol :-

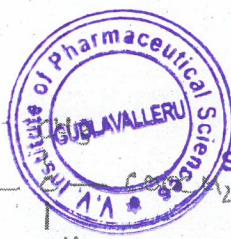
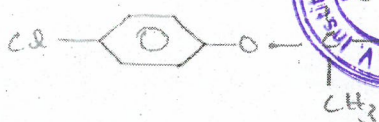


2. HMG Co-A reductase inhibitors :-



3. Fibrates :-

Eg:- a) clofibrate :-

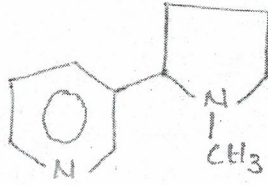


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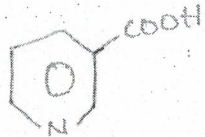
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u. Nicotinic acid derivatives:-

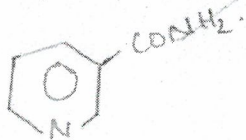
Eg:- a) Nicotine:-



b) Nicotinic acid:-



c) Nicotinamide:-



1. Bile acid sequestering agents:-

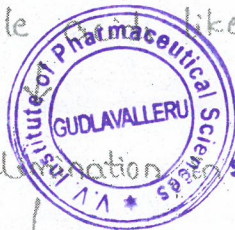
Mechanism of Action:-

Bile acid sequestering agents
(cholestyramine, colestipol)

↓
Increase excretion of bile acids

(By binding with bile acids like glycocholic acid & Taurocholic acid)

Promotes their elimination



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↓
Increase the synthesis of bile acids from cholesterol by activating 7- α hydroxylase enzyme.

↓
Decrease the amount of hepatic cholesterol

↓
Increase expression of LDL levels.

↓
Increase LDL utilization.

↓
Decrease plasma LDL levels.

↓
Increase expression of HMGCo-A reductase enzyme.

↓
Increase VLDL production & showⁿ anti-hyperlipidemic action.

* Bile acid sequestering agents always co-administrated with HMGCo-A reductase inhibitors.

Uses :-

- used as Anti-hyperlipidemic agent.
- used to treat hyper cholestyremia.
- cholestyramine used to treat prurities (itching) caused due to biliary obstruction.
- cholestipol used to control glycemic index in Type-2 diabetes.

Adverse effects :-

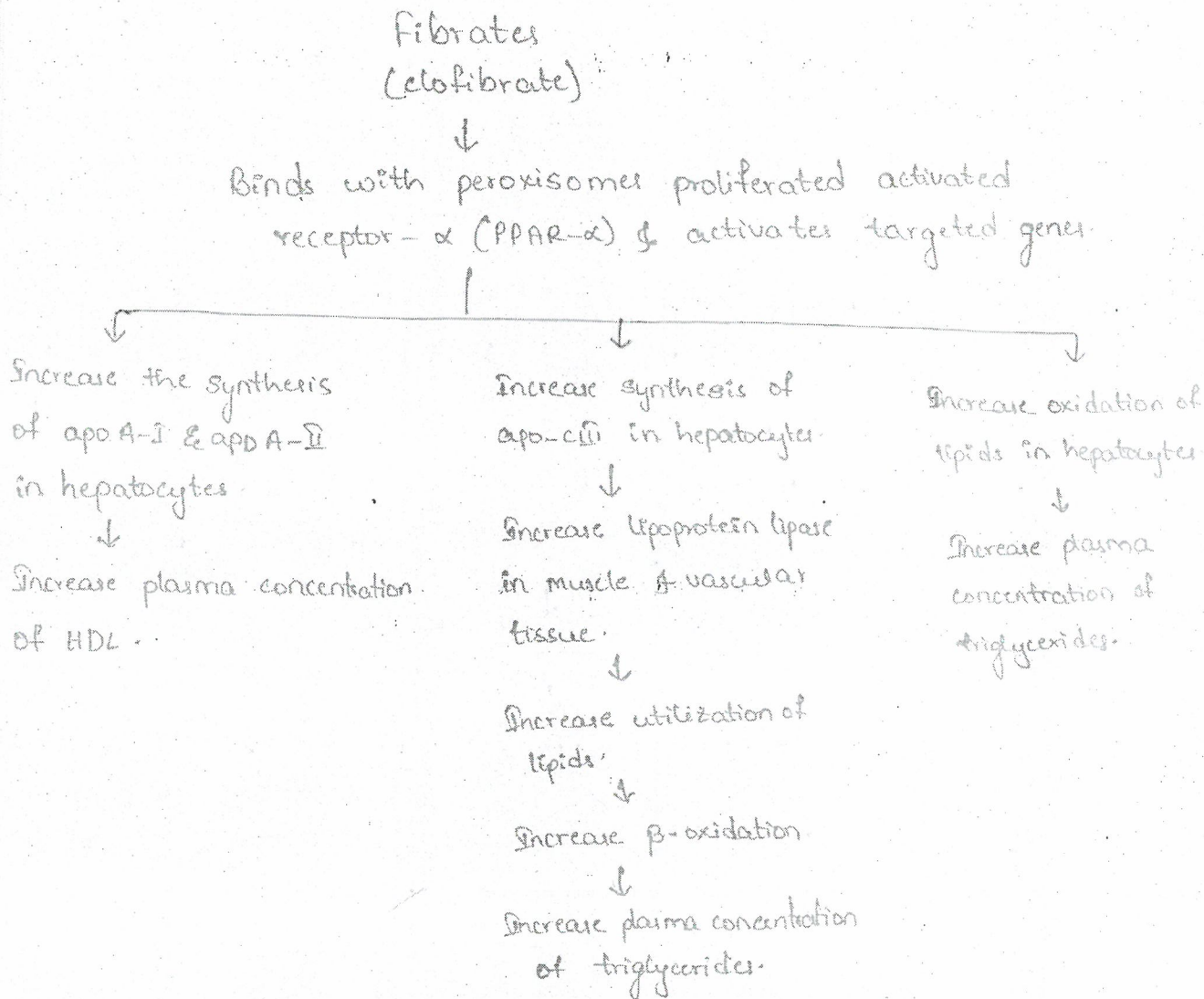
- Bloating
- Abdominal discomfort.
- Nausea
- vomiting
- itching
- Diarrhoea, etc...



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Fibrates:

Mechanism of action:-

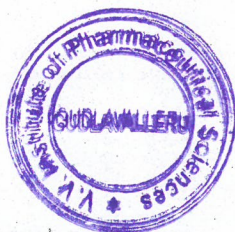


Uses:-

- used as anti-hyperlipidemic agent.
- used to treat hypertriglyceridemia.
- used in combination with bile acid sequestering agents & HMGCo-A reductase inhibitors in cardiac disease.

Adverse effects:-

- shortness of breath.
- chest pain.
- Blood in urination.
- Decrease in urination.
- fever, chills, muscle weakness.



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HMGCo-A reductase inhibitors :-

Mechanism of Action :-

HMGCo-A reductase inhibitors like lovastatin, simvastatin, and fluvastatin inhibit the rate limiting enzyme in cholesterol biosynthesis.

HMGCo-A reductase involved in the synthesis of mevalonic acid from HMGCo-A.

Further useful for the biosynthesis of cholesterol.

Inhibition of this enzyme causes an initial decrease in cholesterol synthesis in liver.

Simultaneously increase the expression of LDL receptors.

↓
Increase LDL utilization

↓
Decrease plasma LDL levels.

Uses :-

- used as anti-hyperlipidemic agent.
- used to treat hypercholesterolemia.
- Atorvastatin, lovastatin and simvastatin specifically used to reduce mortality rate in congestive heart failure and stroke.
- HMGCo-A reductase inhibitors majorly used to reduce atherosclerosis and risk of myocardial infarction.

Adverse effects :-

- Abdominal pain
- Nausea
- Vomiting
- Increase levels of other enzymes in hepatic system.



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA-533003, Andhra Pradesh, INDIA
(Established by A.P. Ordinance No. 13 of 2008)

REPORT ON THE EVALUATION OF THE PROJECT WORK OF M.PHARM STUDENT

1. Name of the Student : Ms. A. Lalitha
2. Roll Number : 209VIS1601
3. Title of the Project Work : Development and Validation of New Analytical Method for the Simultaneous Determination of Pregabalin and Etoricoxib in Pharmaceutical Formulation by using RP-HPLC
4. Name of the External Examiner : Dr. N. Srinivasa Rao
and Address : Professor & Principal,
Vikas College of Pharmacy,
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Krishna District.
5. Name of the Internal Examiner : Dr. A. Lakshmana Rao
and Address : Professor & Principal,
V. V. Institute of Pharmaceutical Sciences, Gudlavalleru,
Krishna District.
6. Date of the Examination : 05-12-2022
7. Report of the Candidate :

Performance (Please mention the letter grade) **A**

A: Excellent

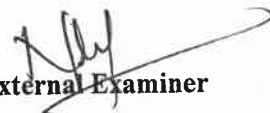
C: Satisfactory

B: Good

D: Not satisfactory



Internal Examiner

(Dr. A. Lakshmana Rao)



External Examiner

(Dr. N. Srinivasa Rao)




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REPORT ON THE EVALUATION OF THE PROJECT WORK OF M.PHARM STUDENT

1. Name of the Student : Ms. B. Ramya Tejaswi
2. Roll Number : 209V1S1602
3. Title of the Project Work : RP-HPLC Method Development and Validation for Simultaneous Estimation of Azlenidipine and Chlorthalidone in Pharmaceutical Dosage Form
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and Address : Professor & Principal,
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Krishna District.
5. Name of the Internal Examiner : Dr. A. Lakshmana Rao
and Address : Professor & Principal,
V. V. Institute of Pharmaceutical Sciences, Gudlavalleru,
Krishna District.
6. Date of the Examination : 05-12-2022
7. Report of the Candidate :


Performance (Please mention the letter grade) **A**


A: Excellent

C: Satisfactory



B: Good


D: Not satisfactory


Internal Examiner
(Dr. A. Lakshmana Rao)


External Examiner
(Dr. N. Srinivasa Rao)




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REPORT ON THE EVALUATION OF THE PROJECT WORK OF M.PHARM STUDENT

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Pulsatile Drug Delivery System
4. Name of the External Examiner : Dr. K. Padma Latha
and Address : Professor & Principal,
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Enikepadu, Krishna District.
5. Name of the Internal Examiner : Dr. A. Lakshmana Rao
and Address : Professor & Principal,
V. V. Institute of Pharmaceutical Sciences, Gudlavalleru,
Krishna District.
6. Date of the Examination : 05-12-2022
7. Report of the Candidate :

Performance (Please mention the letter grade) **A**

A: Excellent

C: Satisfactory

B: Good

D: Not satisfactory



Internal Examiner

(Dr. A. Lakshmana Rao)



External Examiner

(Dr. K. Padma Latha)




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REPORT ON THE EVALUATION OF THE PROJECT WORK OF M.PHARM STUDENT

1. Name of the Student : Mr. V. Sai Prasad
2. Roll Number : 209V1S0306
3. Title of the Project Work : Formulation Development and Evaluation of Metformin
Sustain Release and Glimepiride Immediate Release
Bilayered Tablets
4. Name of the External Examiner : Dr. Y. Ankamma Chowdary
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Pothavarappadu, Krishna District.
5. Name of the Internal Examiner : Dr. A. Lakshmana Rao
and Address : Professor & Principal,
V. V. Institute of Pharmaceutical Sciences, Gudlavalleru,
Krishna District.
6. Date of the Examination : 04-03-2023
7. Report of the Candidate : B
Performance (Please mention the letter grade)
A: Excellent C: Satisfactory
B: Good D: Not satisfactory



Internal Examiner

(Dr. A. Lakshmana Rao)



External Examiner

(Dr. Y. Ankamma Chowdary)




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Year : III B. Pharm I Sem Time: 1:20 PM to 3:00 PM
Section : B Room No: 204
Department : Pharmaceutical Chemistry
Supervisor : Ms. B. Satya Sree

Title :

1. The effective dose of Remimazolam in adult gastroscopy
2. Thiophene based Compounds with potential anti-inflammatory activity

Abstracts :

Reference: The effective dose of Remimazolam in adult gastroscopy, Zhang et al. Indian journal of pharmacology. 56(1): 2024; page No. 10-15.

Research Article

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DOI
10.4103/jgcip.425.22

The effective dose of remimazolam in adult gastroscopy

Rongyan Zhang, Gang Zhao¹, Zhangjun Yan¹, Hongmei Xuan¹, Yan Chen¹

Abstract:

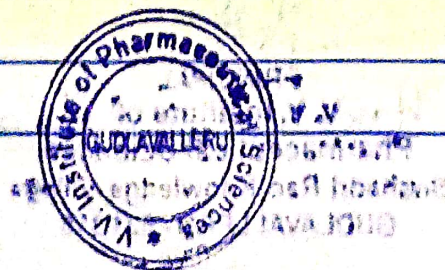
OBJECTIVES: The objectives of this study were to explore the median effective dose (ED₅₀) and the dose required for successful anesthesia in 95% of the patients (ED₉₅) of remimazolam for intravenous anesthesia in adult outpatients undergoing gastroscopy.

METHODS: This pilot study was conducted in patients scheduled to undergo painless gastroscopy at the authors' hospital between March 15, 2022 and March 25, 2022. The ED of remimazolam was determined using the modified Dixon sequential method, using an initial induction dose of 0.2 mg/kg. With successful or failed anesthesia, the remimazolam dose was decreased or increased by 0.05 mg/kg for the next patient, respectively.

RESULTS: Twenty-two patients (43.6 ± 10.5 years of age) were enrolled. During gastroscopy, the remimazolam induction dose was 19.93 ± 2.96 mg (0.2–0.45 mg/kg). Eighteen patients could complete anesthesia with remimazolam alone, and four patients needed propofol to complete anesthesia. The induction time after the injection of remimazolam was 20.8 ± 8.4 s; the gastroscopy time was 5.1 ± 1.3 min, and the anesthesia recovery time was 17.5 ± 5.6 min. The ED₅₀ and the ED₉₅ of remimazolam were 0.362 mg/kg (95% confidence interval [CI]: 0.313–0.455 mg/kg) and 0.464 mg/kg (95% CI: 0.403–2.242 mg/kg), respectively. The vital signs of all patients remained within the predefined acceptable limits. No patients required antagonist rescue.

CONCLUSION: The ED₅₀ and ED₉₅ of remimazolam for adult gastroscopy were 0.362 mg/kg and 0.464 mg/kg, respectively. Additional anesthetics might be required during gastroscopy in some patients.

TRIAL REGISTRATION: The trial was registered. The number is ChiCTR2200057446.



[Signature]

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Reference: Review- Thiophene based Compounds with potential Anti-inflammatory activity, pharmaceuticals 14; 2021; page No 692.



Review

Thiophene-Based Compounds with Potential Anti-Inflammatory Activity

Ryldene Marques Duarte da Cruz ¹, Francisco Jaime Bezerra Mendonça-Junior ^{1,2,*}, Natália Barbosa de Melo ², Luciana Scotti ¹, Rodrigo Santos Aquino de Araújo ², Reinaldo Nóbrega de Almeida ¹ and Ricardo Olimpio de Moura ²

¹ Post-Graduation Program in Natural and Synthetic Basic Products, Federal University of Paraíba, João Pessoa 58051-900, PB, Brazil; ryldene@hotmail.com (R.M.D.d.C.); luciana.scotti@gmail.com (L.S.); reinaldoan@uol.com.br (R.N.d.A.)
² Laboratory of Synthesis and Drug Delivery, State University of Paraíba, João Pessoa 58071-160, PB, Brazil; nataliamelo92@hotmail.com (N.B.d.M.); rodrigobiofarm@uol.com.br (R.S.A.d.A.); ricardo.olimpio@uniparab.edu.br (R.O.d.M.)
 * Correspondence: franciscojbmedonca@yahoo.com.br; Tel.: +55-83-9-9924-1423

Abstract: Rheumatoid arthritis, arthrosis and gout, among other chronic inflammatory diseases are public health problems and represent major therapeutic challenges. Non-steroidal anti-inflammatory drugs (NSAIDs) are the most prescribed clinical treatments, despite their severe side effects and their exclusive action in improving symptoms, without effectively promoting the cure. However, recent advances in the fields of pharmacology, medicinal chemistry, and chemoinformatics have provided valuable information and opportunities for development of new anti-inflammatory drug candidates. For drug design and discovery, thiophene derivatives are privileged structures. Thiophene-based compounds, like the commercial drugs Timoridine and Tiapfenic acid, are known for their anti-inflammatory properties. The present review provides an update on the role of thiophene-based derivatives in inflammation. Studies on mechanisms of action, interactions with receptors (especially against cyclooxygenase (COX) and lipoxygenase (LOX)), and structure-activity relationships are also presented and discussed. The results demonstrate the importance of thiophene-based compounds as privileged structures for the design and discovery of novel anti-inflammatory agents. The studies reveal important structural characteristics. The presence of carboxylic acids, esters, amines, and amides, as well as methyl and methoxy groups, has been frequently described, and highlights the importance of these groups for anti-inflammatory activity and biological target recognition, especially for inhibition of COX and LOX enzymes.

Keywords: inflammation; thiophene; molecular docking; cyclooxygenase; lipoxygenase; anti-inflammatory drugs

CHESS for updates

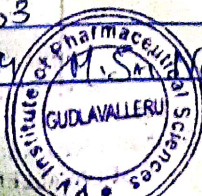
Citation: da Cruz, R.M.D.; Mendonça-Junior, F.J.B.; de Melo, N.B.; Scotti, L.; de Araújo, R.S.A.; de Almeida, R.N.; de Moura, R.O. Thiophene-Based Compounds with Potential Anti-Inflammatory Activity. *Pharmaceuticals* **2021**, *14*, 692. <https://doi.org/10.3390/ph14070692>

Academic Editors: Urszula K. Kozmarowska, Monika Lesiak and Sabina Jani

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Presented by:

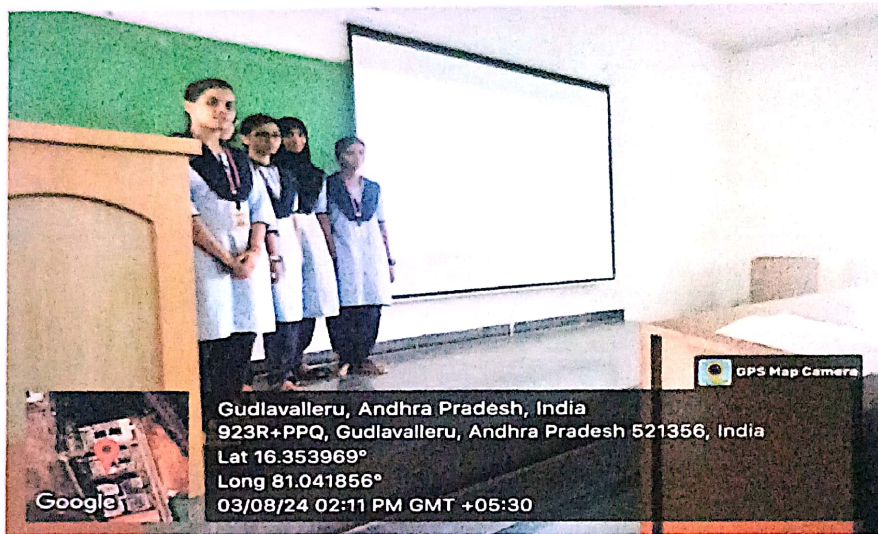
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7	229VIR0062	Md. Farheen	Md. Farheen
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9	229VIR0064	M. Sri Naga Haripriya	M. Sri Naga Haripriya



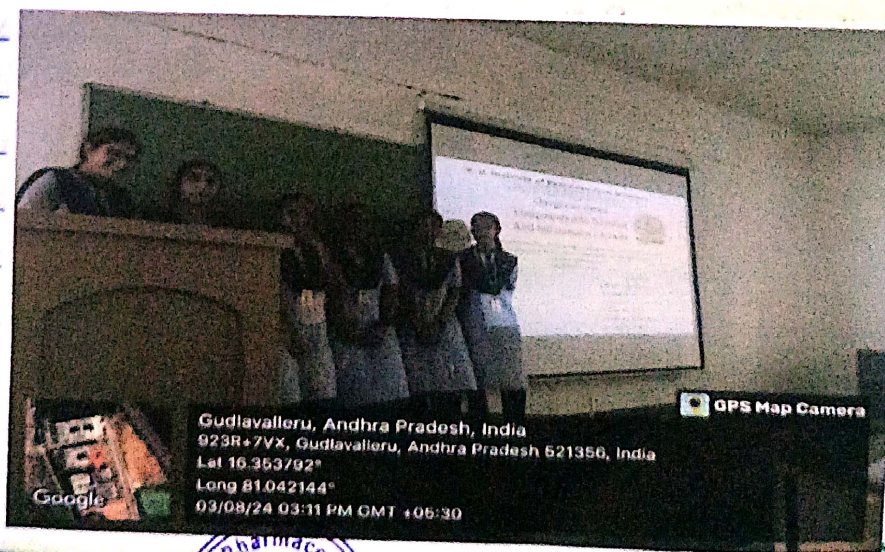
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11	229VIR0066	M. Syamala Devi	M. Syamala Devi
10	229VIR0067	N. Jaya Sri	N. Jaya Sri

photograph : (Title-I) The effective use of Remimazolam in adult gastroscopy.



photograph : (Title-II) Thiophene based Compounds with potential Anti-inflammatory activity



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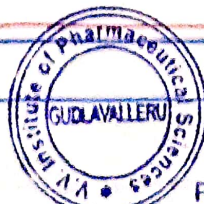
Attended by:			Signature
S.No.	Regd. No	Name of the Student	
1	229VIR0056	M. Meghana	M. Meghana
2	229VIR0057	Ma. Ayesha	Ma. Ayesha
3		Absent	
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5	229VIR0060	Ma. Debaya	Debaya
6	229VIR0061	Ma. Satiya	Satiya
7	229VIR0062	Ma. farheen	farheen
8	229VIR0063	Dceprka	Dceprka
9	229VIR0064	M. Sri Naga Haripriya	M. Sri Naga Haripriya
10	229VIR0065	M. Rakshita	M. Rakshita
11	229VIR0066	M. Syamala Devi	M. Syamala Devi
12	229VIR0067	N. Jaya Sri	N. Jaya Sri
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16	229VIR0071	N. Sai subhash	N. Sai subhash
17	229VIR0072	N. Triveni	N. Triveni
18	229VIR0073	O. Anusha	O. Anusha
19	229VIR0074	P. Poga Madhuri	P. Madhuri
20	229VIR0075	P. Sowvanthi	P. Sowvanthi
21	229VIR0076	P. Lakshmi prasanna	P. prasanna
22	229VIR0077	P. Ankitha	P. Ankitha
23	229VIR0078	P. Bhargavi Sri	P. Bhargavi Sri
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25	229VIR0080	P. Tharuja	P. Tharuja
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27	229VIR0082	P. Tharmai	P. Tharmai
28	229VIR0083	P. Anusha	P. Anusha
29	229VIR0084	R. Sharmukha	R. Sharmukha
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33	229VIR0088	S. Poojitha	S. Poojitha
34	229VIR0088	T. Jahnavi	T. Jahnavi
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36	229VIR0090	D. Sankcerthana	D. Sankcerthana
37	229VIR0091	Jk. Danyje	Jk. Danyje
38	229VIR0092	Mk. Mobeen	Mobeen
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49	229VIR00A4	V. Sri Harshitha	V. Harshitha
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53	229VIR00A9	Y. Pranathi	Y. Pranathi
54	229VIR00B0	Y. Raga Priyanka	Y. Raga Priyanka
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57	239VSR0003	U. Jahnavi	U. Jahnavi
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