



BAPATLA COLLEGE OF PHARMACY

(Sponsored by Bapatla Education Society), (Recognized by A.I.C.T.E&PCI)

(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

Bapatla , Bapatla (Dist), Andhra Pradesh -522101

List of Certificate/ Add-on Programs

Academic Year: 2021-22

S.No	Name of the Program	Duration of Course	No. of Participants
1	A two week add on program on alternative approach for stress management	15-11-2021 to 30-11-2021	42
2	A two week add on program on fundamental of mass spectrometry : applications	15-11-2021 to 30-11-2021	53
3	A two week add on program on uv-vis spectroscopic applications qualitative and quantitative analysis	03-12-2021 to 18-12-2021	104
4	A two week add on program on pharmaceutical dissolution testing	31-01-2022 to 15-02-2022	46
5	A two week add on program on behavioural test to evaluate anxiety and anti-anxiety effects	31-01-2022 to 15-02-2022	58
6	A two week add on program on global drug regulatory bodies	03-02-2022 to 18-02-2022	16

Dr. K. Rajyalakshmi
IQAC



T. Gobalakrishna
PRINCIPAL

PRINCIPAL
Bapatla College of Pharmacy
Bapatla 522 101



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Bapatla, Bapatla (Dist), Andhra Pradesh -522101

Date: 01-11-21

CIRCULAR

All the IV / IV B.Pharmacy Students are here by informed that the Department of Pharmacognosy is organizing a two – week Certification course on “Alternative approach for Stress management” by J.V. Suresh from 15-11-21 to 30-11-21. So the interested students can register their names at the respective department on or before 12-11-21 and utilise this opportunity.

Venue: Seminar Hall (S06)

Coordinator: Mrs. Neelam Begum, Associate Professor

T. Gopalakrishna
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Bapatla 522 101

Signature of all HOD'S				TPO	IQAC	Office	Library
<i>V. Suresh</i>	<i>K. Ravi</i>	<i>Neelam Begum</i>	<i>P. M.</i>	<i>K. Ravi</i>	<i>IQAC</i>	<i>Office</i>	<i>Library</i>
Pharmaceutics	Pharmaceutical Chemistry & Analysis	Pharmacology	Pharmacognosy				

About the Course:

This course is aimed to improve the knowledge of Stress, its consequences on health and impact on individual and social life. Challenges during education create sources of stress for students and put their health at risk which may also affect their learning abilities. This course helps the student to reduce negative impacts caused by stress and to improve person's and mental well being. This program helps the student to get the knowledge of overcoming stress by alternative methods like yoga, meditation, prior planning, breathing exercises. These skills help the student not only at college level but also in the whole

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Last date for registration:
12-11-21

RESOURCE PERSON
Dr. J.V. SURESH
Professor
Department of
Pharmacognosy

Bapatla College of Pharmacy



BAPATLA COLLEGE OF PHARMACY

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Approved by AICTE, PCI, New Delhi &

Affiliated to JNTUK, Kakinada

BAPATLA

A TWO WEEK CERTIFICATION COURSE ON



Alternative Approach for Stress Management

About the department

Department of Pharmacognosy is engaged in the study of drugs from natural products.

Research areas include extraction, isolation, characterization and biological studies of phytoconstituents using animal models. The department also deals with development and standardisation of novel herbal formulations. The department also organizes seminars and workshops on current topics at regular intervals. The institute also developed a medicinal garden having varied species of plants.

Convenor

Dr. TEGK.Murthy

Principal,
Bapatla College of Pharmacy

Program Coordinator

Mrs Neelam Begum

Associate Professor
Department of Pharmacology

Organising secretary

Dr. T.V. Rao

Professor
Department of Pharmaceutics

Organising Committee

Mrs. M. Sukanya

Assistant Professor
Department of Pharmaceutics

Annie Mande

Assistant Professor
Department of Pharmacology

Student Coordinators

Ms.A. Archana

IV Year B.Pharmacy

Mr. D. Bharat Kumar

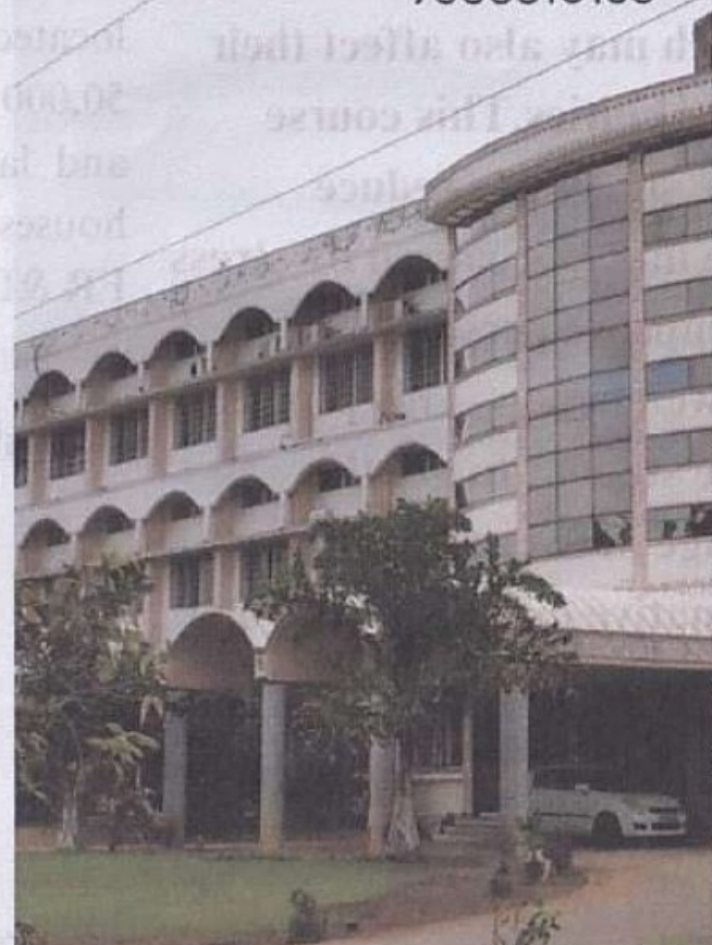
IV Year B.Pharmacy

KEY HIGHLIGHTS

- Stress and causative factors
- Effect of stress on person's well being
- Approach for overcoming stress

Contact: 9182613089

9666810156





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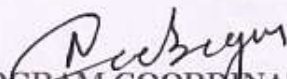
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

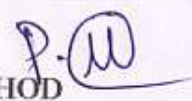
Bapatla, Bapatla (Dist), Andhra Pradesh -522101

PROGRAM SCHEDULE

Name of the Program : Two Week Certification Course on Alternative approaches For Stress Management

S.No	Day	Schedule
1	15-11-2021	Inauguration of session with introductory speech by Dr. TEGK Murthy, Principal followed by lecture by Dr.J. Suresh on introduction to Alternative medicine
2	16-11-2021	Importance of stress management and benefits of learning to manage stress
3	17-11-2021	Identifying the stress factors and their sources and impact of stress on quality of life
4	18-11-2021	The relationship between stress and disease and holistic approach to stress management, impact on body, mind, spirit and emotions
5	19-11-2021	Evaluate the personal effectiveness of coping skills and relaxation techniques that contribute to managing life's stress
6	20-11-2021	Practice coping skills such as behaviour modification, cognitive restructuring, time management, communication help to prevent or manage stress.
7	22-11-2021	Experience relaxation techniques such as breathing, yoga, music, massage, meditation, progressive muscle relaxation, mindfulness
8	23-11-2021	Examining complementary and alternative approaches to stress management
9	24-11-2021	Examining the alternative approach as it relates to physiological, cognitive or emotional responses to stress
10	25-11-2021	Diet changes and influence of diet on stress and avoiding alcohol, excess caffeine
11	26-11-2021	Management of time, studies , responsibilities and duties without any trauma
12	27-11-2021	Breathing exercises and meditation
13	29-11-2021	Art of living life happily adding years to life
14	30-11-2021	Emotional balance, Feedback and valedictory


PROGRAM COORDINATOR


HOD



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Bapatla, Bapatla (Dist), Andhra Pradesh -522101

Date: 1/12/21

PROGRAM REPORT

Name of the Course	A two - weeks Certification course on "Alternative approach for Stress Management"
Date	15/11/21 – 30/11/21
Resource Person	Dr. Jilakara Suresh Professor Department of Pharmacognosy 9866882091
Name of the Program Coordinator	Mrs. Neelam Begum, Associate Professor
Contact Details	9666810156
Mail ID	neelammpharm@gmail.com
Number of Students Attended	42
Venue	Seminar Hall, Second Floor(S06)

Bapatla College of Pharmacy, Bapatla organized a two-week certification course on "Alternative approaches for Stress management".

The program was inaugurated by Dr. TEGK Murthy, Principal, on 15 November 2021 at Seminar Hall. During this two week session extensive deliberations on approaches for stress management, which is the causative factor for diseases like heart strokes, hypertension etc was discussed by the resource person Dr. J. Suresh. In addition to lectures by the resource person, case studies were also discussed. On 30 November 2011, valedictory session was conducted and participation certificates were issued to the attendees. The session ended with the closing remarks of the Coordinator Mrs. P. Neelam Begum.

Objectives:

The ultimate goal of this course is

- A balanced life, with time for work and overcoming stress
- Causative factors for stress

- Impact on stress on performance and health of student
- To find out the remedial measures to overcome from stress

Learning Outcomes:

After completion of this course the students are able to:

- Understand the basic principles of stress management.
- Recognize stress triggers and to how to manage them.
- Use coping tips for managing stress both in studies and also in life.
- Learn to manage stress through diet, sleep and other life style factors
- To reduce negative impacts caused by stress and to improve person's physical and mental well being.
- Different exercises, meditation and breathing exercises to overcome stress.

Overall summary:

The Department of Pharmacognosy has organised a two week certification program on Alternative approaches for Stress management. The causative factors of stress, how to overcome them, how to manage stress and time were discussed in the course. About 42 students from IV B.Pharm has attended the course and achieved their certificates. The students will be able to manage stress and time which is helpful for their performance in studies and also life.


COORDINATOR



BAPATLA COLLEGE OF PHARMACY

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Dt: 01-11-2021

CIRCULAR

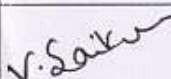
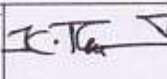
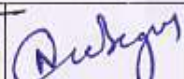
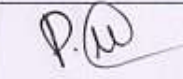
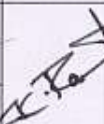
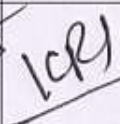
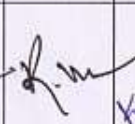
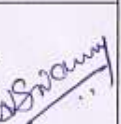
This is hereby to inform all students of IV/IV B.Pharm -1st sem/7th sem that Department of Pharmaceutical Chemistry & Analysis is going to conduct a "TWO-WEEK ADD ON PROGRAM ON FUNDAMENTAL OF MASS SPECTROMETRY: APPLICATIONS" by Dr. G. Anitha, Assistant Professor, from 15-11-2021 to 30-11-2021. So here by all the students are instructed to register on or before 12-11-2021 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: Classroom F13

Coordinator: S. Shobha, Assistant professor, Dept of Pharmaceutical Chemistry & Analysis


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Bapatla College of Pharmacy
Bapatla 522 101

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Pharmaceutics	Ph.Chemistry & Analysis	Pharmacology	Pharmacognosy				

ABOUT ADD-ON PROGRAM:

This value add on course is designed to train the participants on the basics of Mass spectroscopy and to provide them an understanding and analysing the Mass spectral data, that facilitate skills and extend their interest in different areas. The fundamentals of the technique, instrumentation and applications will be discussed thoroughly. The significance of Mass spectrometry hyphenated techniques will also be explained. The resource person is well experienced in teaching the relevant subject.

TOPICS TO BE COVERED:

- Basic theory, principles of Mass spectrometry
- Brief outline of Instrumentation
- Ion formation and types
- Fragmentation process and pattern
- Mass analyzers
- Detectors
- Applications
- Interpretation of Mass spectrum

ABOUT COLLEGE:

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ABOUT DEPARTMENT:

The Department of Pharmaceutical Chemistry & Analysis, is committed to excellence in the field of same to produce a competent pharmaceutical analyst to meet the current scenario of pharmaceutical industries. The department aims to focus on the development of analytical methods using new combinations of established instrumentation and approaches. A broad knowledge of pharmaceutical analysis is disseminated to the students by a team of inspired and enthusiastic faculty members who are involved in teaching and learning process. The department mainly involves in qualitative and quantitative analysis of natural and synthetic compounds using spectroscopy, chromatography and various other analytical techniques.



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A TWO WEEK ADD ON PROGRAM ON FUNDAMENTALS OF MASS SPECTROSCOPY: APPLICATIONS

Program duration

15-11-2021 to 30-11-2021

Dept of Pharmaceutical
Chemistry & Analysis

ADDRESS FOR COMMUNICATION

S. SHOBHA

ASSISTANT PROFESSOR

DEPT OF PH. CHEMISTRY & ANALYSIS

CONTACT: 9515499364

E-MAIL ID:

shobhasingarapalle17@gmail.com

**Last Date For
Registration On
or Before
12-11-2021**

CHIEF PATRON:

M. Srinivasa Rao

President of Bapatla Education Society

CONVENOR:

Dr.T. E. Goapala Krishna Murthy

Principal & Professor

Bapatla College of Pharmacy

ORGANISING SECRETARY:

Y. Sushma

Assistant Professor

(Dept of Ph. Chemistry & Analysis)

RESOURCE PERSON:

Dr. G. Anitha

Associate professor

(Dept of Ph. Chemistry & Analysis)

PROGRAM COORDINATOR:

S. Shobha

Assistant Professor

(Dept of Ph. Chemistry & Analysis)

ORGANISING COMMITTEE:

K. Poorna- Assistant Professor

S. Shobha - Assistant Professor

STUDENT COORDINATORS:

Ch. Vinay Kanth- IV B. Pharmacy

K. Sravani- IV B. Pharmacy

REGISTRATION FORM

- **NAME:**
- **REGISTRATION NO:**
- **YEAR OF STUDY:**
- **ORGANIZATION:**
- **SEX (MALE/ FEMALE):**
- **ADDRESS FOR
CORRESPONDENCE:**
- **PIN:**
- **PHONE:**
- **E-MAIL:**

SIGNATURE OF THE PARTICIPANT

**SIGNATURE OF THE HEAD OF THE
INSTITUTE**

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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Department of Pharmaceutical Chemistry & Analysis

**Name of the Program: A TWO-WEEK ADD ON PROGRAM ON FUNDAMENTALS
OF MASS SPECTROSCOPY: APPLICATIONS**

PROGRAM SCHEDULE

S.No	Date	Topic
1.	15-11-2021	Basic principle and theory of mass spectrometry
2.	16-11-2021	Sample preparation
3.	17-11-2021	Instrumentation; and workflow of mass spectrometer
4.	18-11-2021	Ionization techniques: ESI, FAB, MALDI etc
5	19-11-2021	Creating of ions-ion formation and types
6	20-11-2021	Fragmentation process and pattern and rules
7	22-11-2021	Mass analyzers: Quadrupole, TOF
8	23-11-2021	Magnetic sector mass analyzer
9	24-11-2021	Ion trap mass analyzer
10	25-11-2021	Meta stable ions and isotopic peaks
11	26-11-2021	Correlation of mass spectrum with molecular structure
12	27-11-2021	Mass spectrometry advantages and disadvantage
13	29-11-2021	Applications of Mass spectrometry
14	30-11-2021	Fields of applications of mass spectrometry

S. Shobha
Coordinator
S. Shobha

K. Ranjith
HOD
K. Ranjith



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Dt:04-12-2021

PROGRAM REPORT

Name of the Program: A Two-week Add on program on Fundamentals of Mass spectrometry: Applications

Date & Duration: 15-11-2021 to 30-11-2021; 2 WEEKS

Resource Person: Dr. G. Anitha
Assistant Professor
Department of Pharmaceutical Chemistry & Analysis
Phone number: 7904438504
Email ID: anitharoyal@gmail.com

Program Coordinator: S. Shobha
Assistant Professor
Department of Pharmaceutical Chemistry & Analysis
Phone number: 9515499364
Email ID: shobhasingarapalli17@gmail.com

Number of students participated: 53

Venue: F13, Bapatla college of pharmacy

Bapatla college of pharmacy, Bapatla has organized an add on program on "Fundamentals of Mass Spectrometry: Applications" for B.Pharm final year students by the resource person Dr. G. Anitha. Mass spectrometry is the most accurate method for determining the molecular mass of the compound and its elemental composition. Totally 53 students participated in this add on program and after completion of the program students were able to understand the following objectives and learning outcomes.

Objectives:

- To outline the early developments in mass spectrometry
- To understand the basic principles and instrumentation
- To demonstrate the use of mass spectrometry in determination of relative isotopic masses and for the identifying elements
- To interpret the mass spectra of elements in terms of isotopic abundance, used in identification of unknown compounds.

Topics to be covered:

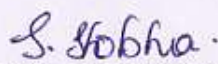
- Fundamentals of Mass spectrometry
- Ionization techniques
- Instrumentation: Mass analyzers and Detectors
- Fragmentation patterns and rules to identify the elements
- Applications in various areas.

Learning outcomes: By the end of this course the students are able to

- Explain the basic concept of mass spectrometry
- Understand the Ionization techniques
- Explain fundamental process that occur in mass spectrometer
- Outline vaporization of substance, production of positive ions, acceleration and separation.
- Outline the instrumentation: Ionization sources; mass analyzers and detectors
- Interpret the mass spectrogram
- Determine the molecular weight and formula, structure and isotopic abundances of compounds
- Calculate the molecular weights of unknown compounds

Outcome of the Program:

The Bapatla College of Pharmacy, BAPATLA, arranged a highly successful add-on program. The Concept of Mass spectrometry, the basic concepts, work flow and analyzing spectral data thoroughly taught to the students. Totally 53 students have participated in the program. The student will be able to extend his skill in analyzing spectra for the determination of molecular weights and structures of organic compounds.


Signature of the Program Coordinator



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Dt: 18-11-2021

CIRCULAR

This is hereby to inform all students of II/IV B. Pharm -1st sem/3rd sem that Department of Pharmaceutical Chemistry & Analysis is going to conduct a "TWO-WEEK ADD ON PROGRAM ON UV-VIS SPECTROSCOPY APPLICATIONS: QUALITATIVE AND QUANTITATIVE ANALYSIS" by K. Ranjith, Associate Professor, from 03-12-2021 to 18-12-2021. So here by all the students are instructed to register on or before 29-11-2021 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: Class room S08

Coordinator: Y. Sushma, Assistant Professor, Dept of Pharmaceutical chemistry & Analysis.

T. Gokulapada
PRINCIPAL

PRINCIPAL
Bapatla College of Pharmac,
Bapatla 522 101

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Signature of all HOD'S				TPO	IQAC	Office	Library
<i>V. Sora</i>	<i>K. Ran</i>	<i>R. Subeg</i>	<i>P. W</i>	<i>K. Ran</i>	<i>ICR</i>	<i>P. W</i>	<i>K. Subang</i>
Pharmaceutics	Ph. Chemistry & Analysis	Pharmacology	Pharmacognosy				

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ABOUT DEPARTMENT:

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ABOUT ADD-ON PROGRAM:

This value add on course is designed to train the participants on the basics of UV-visible spectroscopy and to provide them an understanding and analyzing the Uv spectrum that helps in identification and purity checking and quantification of compounds in many areas of science from beverage industry to chemical research. The fundamentals of the technique, instrumentation and applications will be discussed thoroughly. The significance modern Uv spectrophotometers will also be explained. The resource person is well experienced in teaching the relevant subject.

TOPICS TO BE COVERED:

- Basic theory, principles of Visible spectroscopy
- Derivation of Beer-Lamberts Law and deviations
- Fundamentals of UV spectroscopy
- Types of Transitions
- Concepts of auxochrome and chromophore
- Work flow of Instrumentation
- Importance of wavelength selectors
- Construction and working of detectors
- Applications



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Kakinada)

**A TWO WEEK ADD ON PROGRAM
ON
UV-VISIBLE SPECTROSCOPY
APPLICATIONS: QUALITATIVE AND
QUANTITATIVE ANALYSIS**

**PROGRAM DURATION
03-12-2021 TO 18-12-2021
DEPARTMENT OF PHARMACEUTICAL
CHEMISTRY & ANALYSIS**

**LAST DATE FOR REGISTRATION
ON OR BEFORE
29-11-2012**

ADDRESS FOR COMMUNICATION

**Y. SUSHMA
ASSISTANT PROFESSOR
DEPT OF PH. CHEMISTRY & ANALYSIS
CONTACT: 7013950117
E-MAIL: sushma4venu@gmail.com**

CHIEF PATRON:

**M. Srinivasa Rao
President of Bapatla Education Society**

CONVENOR:

**Dr. T. E. Goapala Krishna Murthy
Principal & Professor
Bapatla College of Pharmacy**

ORGANISING SECRETARY:

**S. Shobha
Assistant Professor
(Dept of Ph. Chemistry & Analysis)**

RESOURCE PERSON:

**K. Ranjith
Associate professor
(Dept of Ph. Chemistry & Analysis)**

PROGRAM COORDINATOR:

**Y. Sushma
Assistant Professor
(Dept of Ph. Chemistry & Analysis)**

ORGANISING COMMITTEE:

**K. Poorna - Assistant Professor
S. Shobha - Assistant Professor**

STUDENT COORDINATORS:

**Lakshmi kanth - II B. Pharmacy
Sushma - II B. Pharmacy**

REGISTRATION FORM

1. NAME:
2. REGISTRATION NO:
3. YEAR OF STUDY:
4. ORGANIZATION:
5. SEX (MALE/ FEMALE):
6. ADDRESS FOR CORRESPONDENCE:
7. PIN:
8. PHONE:
9. E-MAIL:

SIGNATURE OF THE PARTICIPANT

SIGNATURE OF THE HEAD OF THE INSTITUTE

(WITH OFFICIAL SEAL)



BAPATLA COLLEGE OF PHARMACY

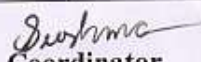
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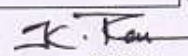
Department of Pharmaceutical Chemistry & Analysis

Name of the Program: A TWO-WEEK ADD ON PROGRAM ON UV-VIS SPECTROSCOPY
APPLICATIONS: QUALITATIVE AND QUANTITATIVE ANALYSIS

PROGRAM SCHEDULE

S.No	Date	Topic
1.	03-12-2021	Introduction and basic concepts of spectroscopy
2.	04-12-2021	Theory of Visible spectroscopy and Beer-Lamberts Law
3.	06-12-2021	Construction of a plot between Concentration and Wave length
4.	07-12-2021	Deviations from the Beer lamberts law
5	08-12-2021	Qualitative Applications
6	09-12-2021	Uv spectroscopy: basic principle and theory
7	10-12-2021	Different types of transitions
8	11-12-2021	Solvent Effects on spectrum
9	13-12-2021	Concept of auxochrome and chromophore
10	14-12-2021	Specific absorbance value; Determination of W.Lmaximum
11	15-12-2021	Quantitative applications: Construction of calibration curve
12	16-12-2021	Single component analysis
13	17-12-2021	Multicomponent analysis: Simultaneous Estimation Method
14	18-12-2021	Absorbance ratio method


Coordinator
Y. Sushma


HOD
K Ranjith



BAPATLA COLLEGE OF PHARMACY

(Sponsored by Bapatla Education Society), (Recognized by A.I.C.T.E&PCI)
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)
Bapatla, Guntur (Dist), Andhra Pradesh -522101

Dt: 21-12-2021

PROGRAM REPORT

Name of the Program: A Two Week Add on Program on UV-Visible Spectroscopy Applications: Qualitative and Quantitative Analysis

Date and Duration: 03-12-2021 to 18-12-2021; 2 WEEKS

Resource Person: Mr. K. Ranjith
Associate Professor
Department of Pharmaceutical Chemistry & Analysis
Phone number: 9491668829
Email ID: ranjith.kapu@gmail.com

Program Co-Ordinator: Y. Sushma
Assistant Professor
Department of Pharmaceutical Chemistry & Analysis
Phone number: 7013950117
Email ID: sushma4venu@gmail.com

Number of students participated: 104

Venue: S08, Bapatla college of pharmacy

Bapatla college of pharmacy. Bapatla has organised an add on program on "Uv-Vis Spectroscopic applications: qualitative and quantitative analysis" for B.pharm second year students by the resource person Mr. K. Ranjith. Spectroscopy is used in physical and analytical chemistry to detect, determine, or quantify the molecular and/or structural composition of a sample. Totally 104 students participated in this add on program and after completion of the program students were able to understand the following objectives and learning outcomes.

Objectives:

- To study about the basic principle of measurement
- To focus on instrumentation behind the technique.
- To know investigating molecular characteristics of the sample of interest
- To learn estimation of single and multiple components in bulk and formulation.

Topics to be covered:

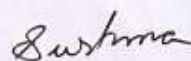
- Basic principles of spectroscopy
- Beer-Lamberts Law derivation and deviation
- Instrumentation: construction and working of spectrophotometers
- Applications: qualitative and quantitative analysis

Learning outcomes: After successful completion of the course the students are able to

- Explain the basic principle of UV-Visible spectroscopy
- Describe the relevant terms of UV-Visible spectroscopy
- Outline the workflow of UV spectrophotometer
- Take and interpret UV-Visible spectrogram
- Select an analytical method for the quantitative analysis
- Participate in laboratory operations and practices.

Outcome of the Program:

The Bapatla College of Pharmacy, BAPATLA, arranged a highly successful add-on program. The applications of UV-Visible spectroscopy thoroughly taught to the students. Totally 50 students have participated in the program. The Student will able to estimate the single and multi-components in the given bulk and formulations by using UV spectrophotometer.



Signature of the Program Coordinator



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Dt: 15/01/2022

CIRCULAR

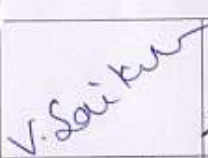
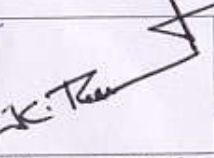
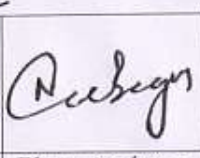
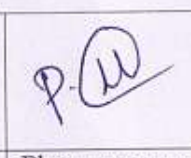
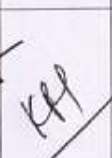
All the III /IV B. Pharmacy Students are here by informed that the Department of pharmaceutics is Organizing A TWO WEEK ADD ON PROGRAM on "PHARMACEUTICAL DISSOLUTION TESTING" by Dr.K.Rajyalakshmi Associate Professor from 31-01-2022to 15-02-2022. So here by all the students are instructed to register on or before 28-01-2022 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: Classroom G08

Coordinator: G.Pavanipriya, Assistant professor, Dept of Pharmaceutics


T. Gokulababu
Principal

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Pharmaceutics	Pharmaceutical Chemistry & Analysis	Pharmacology	Pharmacognosy				

BAPATLA COLLEGE OF PHARMACY(BCOP)

Bapatla college of pharmacy is one of the seven educational institutions founded and run by Bapatla Educational Society (Estd.1962). it is one of the private pharmacy colleges established in the year 1995,with requisite infrastructure facilities and competent human resources,the college is located in 55 acres green campus with 50000 sqft state of the art teaching and laboratory facilities.The college houses a FR&D Centre in collaboration with INNOVIND PHARMA Ltd,Vijayawada and CPCSEA approved animal house facility.

ABOUT THE DEPARTMENT

Pharmaceutics department is one of the asset to our institution ,having 4 ph.D and 7 M.Pharm qualified faculty to support the academic and multidisciplinary reaserch activities.The department is equipped with Modern R&D equipment such as Rotary tablet machine,Bilayered tablet machine,Multimill,Double cone blender,Extruder spheronizer,Fluid bed coater,R&D coating pan and Brookfield viscometer are available ,in addition to the euipment recommended by the statutory agencies.

ABOUT THE ADD ON PROGRAM

This course is aimed to improve the knowledge of students on dissociation studies and their influence on product development,efficacy,stability and safety of drug product.Dissolution and drug release tests are directly relevant to the safety and efficacy of many common pharmaceutical dosage forms. To acheive reliable and reproducible results,analysts must understand the importance of correct equipment set-up ,sample introduction and sampling.

TOPICS COVERED

- Dissolution theory ,sink conditions and intrinsic dissolution rate.
- Dissolution and drug release testing apparatus.
- Dissolution requirements for different dosage form types.

**A TWO WEEK ADD
ON PROGRAM ON
"PHARMACEUTICAL
DISSOLUTION
TESTING"**

31-01-2022 TO 15-02-2022

**DEPARTMENT OF
PHARMACEUTICS**



Bapatla College of Pharmacy(Sponsored by Bapatla Educational Society), (Approved by PCI and Affiliated to Jawaharlal Nehru Technological University, Kakinada) Bapatla, Guntur[dist], Andhra Pradesh -522101

ADDRESS FOR COMMUNICATION

MRS.G.PAVANI PRIYA
ASSISTANT PROFESSOR
DEPARTMENT OF PHARMACEUTICS
PHONE NUMBER: 9652068625
Email ID : gpavanipriya86@gmail.com

Last date for registration
28-01-2022

ORGANISING COMMITTEE:

Patron:Office Bearers of Bapatla
Education Society

CONVENOR:

Mr. Ch VENU BABU Associate professor
Department of pharmaceutics

ORGANISING SECRETARY:

DR.V.SAI KISHORE,HOD
DEPARTMENT OF PHARMACEUTICS

RESOURCE PERSON

Dr.K.RAJYA LAKSHMI Associate professor
DEPARTMENT OF PHARMACEUTICS

CO-ORDINATOR

Mrs.G.Pavani Priya Assistant professor
Department of Pharmaceutics

ORGANISING COMMITTEE

Mrs.M.Sukanya Assistant professor
Department of Pharmaceutics

STUDENT COORDINATORS

- 1.K.Sukanya
- 2.K.Nagarjuna

Registration form

1. Name:
2. Regd Number:
3. Year of study:
4. Organization:
5. Sex(Male/Female):
6. Address for correspondence:
7. Pin:
8. Phone:
9. Email:

Signature of participant

Signature of head of institute
(with official seal)



BAPATLA COLLEGE OF PHARMACY

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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Department of pharmaceutics:

Name of the program: A TWO WEEK ADD ON PROGRAM ON "PHARMACEUTICAL DISSOLUTION TESTING"

Program schedule:

S.No	Day	Schedule
1.	31/01/2022	Dissolution theories and sink conditions
2.	01/02/2022	Intrinsic dissolution rate& drug release testing apparatus
3.	02/02/2022	General requirements & Selection of dissolution medium
4.	03/02/2022	Demonstration of Apparatus , agitation rate and Sampling
5.	04/02/2022	Rotating basket (USP Apparatus 1)
6.	05/02/2022	Rotating paddle (USP Apparatus 2)
7.	07/02/2022	Reciprocating cylinder (USP Apparatus 3)
8.	08/02/2022	Flow-through cell (USP Apparatus 4)
9.	09/02/2022	Paddle over disc (USP Apparatus 5)
10.	10/02/2022	Rotating cylinder (USP Apparatus 6)
11.	11/02/2022	Reciprocating holder (USP Apparatus 7)
12.	12/02/2022	Requirements for different dosage forms
13.	14/02/2022	Hands on training for Immediate release & Extended release dosage forms
14.	15/02/2022	Hands on training for Delayed release & Transdermal dosage forms


Program coordinator:G.Pavanipriya



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Date: 19.02.2022

PROGRAM REPORT

Name of the Program: A TWO WEEK ADD ON PROGRAM ON "PHARMACEUTICAL DISSOLUTION TESTING".

Date & Duration: 31-01-2022 to 15-02-2022 ; Two Weeks

Resource Person: Mrs Dr.K.Rajyalakshmi

Associate Professor

Contact Details: 9985081813

Mail ID: rajimanohar3529@gmail.com

Program Coordinator: Mrs.G.Pavanipriya

Assistant Professor

Contact Detail: 9652068625

Mail ID: gpavanipriya86@gmail.com

Number of Students Attended: 46

Venue: Classroom G08

Bapatla College of Pharmacy, Bapatla had organized A TWO WEEK ADD ON PROGRAM ON "PHARMACEUTICAL DISSOLUTION TESTING". The program was inaugurated by

Dr.V.Saikishore, Head of the Department of pharmaceuticals on 31st January 2022 at classroom G08. During this two week session extensive deliberations on dissolution theories, sink conditions and intrinsic dissolution rate was discussed by the resource person

Dr.K.Rajyalakshmi. In addition to lectures by the resource person, demonstrations and experimentations were also performed by student groups. On 15th January 2022 valedictory session was conducted and participation certificates were issued to the attendees. The session ended with the closing remarks of the Program Coordinator Mrs G.Pavanipriya

Objectives:

- To measure the extent and rate of solution formation from dosage forms
- The dissolution of a drug is important for its bioavailability and therapeutic effectiveness.
- The purpose of dissolution testing is to ensure that a drug product consistently and reproducibly releases the active pharmaceutical ingredient (API) as intended
- Through the lifecycle of a pharmaceutical drug product, dissolution testing is an essential part of drug development, formulation optimization, and quality control.

Learning Outcomes:

- In the pharmaceutical industry, drug dissolution testing is routinely used to provide critical in vitro drug release information for both quality control purposes, i.e., to assess batch-to-batch consistency of solid oral dosage forms such as tablets, and drug development, i.e., to predict in vivo drug release profiles.
- Dissolution is an important tool for characterizing the biopharmaceutical properties of a pharmaceutical product at different stages throughout its life cycle
- After of the completion the program the student shall be able to handle and operate various dissolution test apparatus



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Dt: 15/01/2022

CIRCULAR

All the III /IV B. Pharmacy Students are here by informed that the Department of Pharmacology is Organizing a two – week add on program on **“Behavioural tests to Evaluate Different Types of anxiety and Anti-Anxiety Effects”** by B. Sudheer Chowdary Assistant Professor from 31-01-2022 to 15-02-2022. So here by all the students are instructed to register on or before 28-01-2022 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: Room S09

Coordinator: B SrinivasaRao, Assistant professor, Dept of Pharmacology

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T. Subalakrishna
Principal
Bapatla College of Pharmacy
Bapatla 522 101

Signature of all HOD'S				TPO	IQAC	Office	Library
<i>V. Satish</i>	<i>K. Rao</i>	<i>N. Chandra</i>	<i>P. U.</i>	<i>K. Rao</i>	<i>K. Rao</i>	<i>S. Rao</i>	<i>K. Rao</i>
Pharmaceutics	Pharmaceutical Chemistry & Analysis	Pharmacology	Pharmacognosy				

About the add on program : This add on program is aimed to abreast the knowledge of students on various models available to carryout anxiety & anti-anxiety activity on animals
Topics to be Covered:
Introduction of experimental animals for anxiety & anti-anxiety studies
Behavioural studies on various mazes
Marble burying model & open field model
Comparison of anti-anxiety behavioural tests
How to use Hamilton Anxiety rating Scale (HAM-A) for assessment of treatment outcome

Last date of registration
28-01-2022

About College:

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RESOURCE PERSON

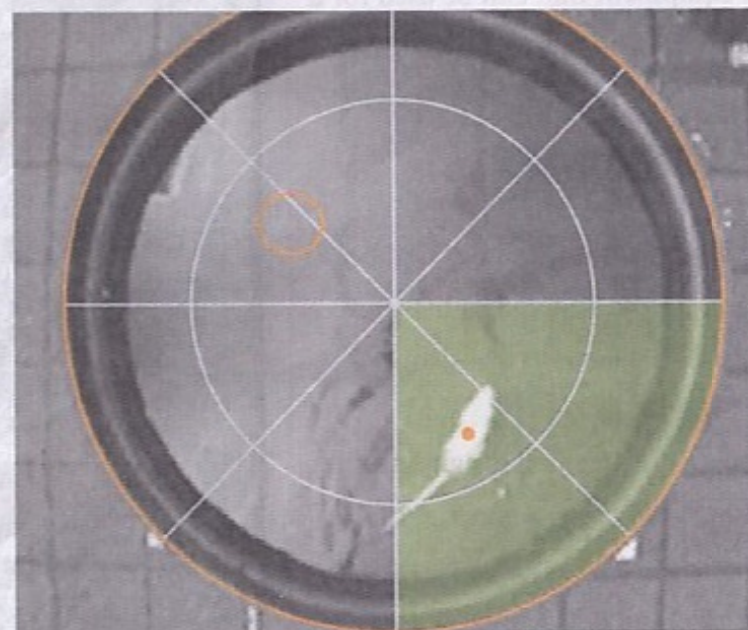
Mr B.Sudheer Chowdary

Assistant professor
Department of
pharmacology
Bapatla college of
pharmacy

Bapatla College of Pharmacy

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University, Kakinada)

A two – week add on program on
Behavioural tests to Evaluate
Different Types of anxiety and Anti-
Anxiety Effects



Date 31/01/2022 -15/02/2022

About the Department:

The Department of Pharmacology at Bapatla College of Pharmacy was established in the year 1995. The department's mission is to advise and educate students about the various career paths available in the field of pharmacology. Leading the students with adequate training so they can fulfil the demands of a business, government research agency, pharmaceutical company, or academic environment.

The department has a sophisticated animal house facility and sufficient equipment to support pre-clinical research. It has advanced pharmacological equipment that can be used for a variety of tasks related to evaluating new chemicals. Other instruments like the T, Y, water, and radial arm mazes can be used for neurological screening. A plethysmograph, bioanalyser, analgesiometer, histamine chamber, electroconvulsimeter, rota rod apparatus, and other in vivo research instruments are also included.

Students in the department gained insight into the pharmacodynamics and pharmacokinetics of many medications that are sold on the market. Students can receive training in handling a variety of equipment used in pharmacology, toxicological investigations, pharmacovigilance, and clinical pharmacology, which offers a wide range of work opportunities in the pharmaceutical industry

Chief patron

M. Sheshagiri Rao garu
President of Bapatla Education Society

Convenor

Dr T E Gopala Krishna Murthy
Principal

Organising secretary:

M.Saithish kumar
Associate professor
Department of Pharmacology

Resource Person

B.Srinivasa Rao
Assistant Professor
Department of Pharmacology

Program coordinator

Annie Mande
Assistant Professor

Organising committee

Neelam begum
Assistant professor
B.Sudheer Chowdary
Assistant Professor
N. Bala krishna
Assistant Professor
Department of Pharmacology

Student Coordinator

Ms. Y Kavya
Mr K Dhora Babu
IV Year B.Pharmacy

KEY HIGHLIGHTS

- Practical knowledge on route of administration of various drugs
- Identification of sex, species based on morphological characters.
- Animals guideline organizations like CPCSEA and its role in animal experimentation

Contact : 7995840909

9666810156





BAPATLA COLLEGE OF PHARMACY

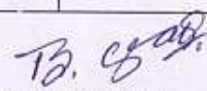
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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Program schedule for the two - week add on Programme "Behavioural tests to Evaluate Different Types of anxiety and Anti-Anxiety Effect"

S.No	Day	Schedule
1.	31/01/2022	Inauguration of the session with the welcome address by the coordinator Sri B.srinivasarao and key note address by Neelam Begum, Associate professor Department of pharmacology
2.	01/02/2022	Introduction of laboratory animals(rodent)used in anxiety studies
3.	02/02/2022	Introduction to practical training
4.	03/02/2022	Anxiety disorders, Anxiolytic agents (old& novel)
5.	04/02/2022	Behavioural test -Elevated Plus Maze (EPM)
6.	05/02/2022	Behavioural test T-maze
7.	07/02/2022	Behavioural test - zero maze
8.	08/02/2022	Behavioural test -Morris water maze
9.	09/02/2022	Behavioural test -Defensive Marble burying
10.	10/02/2022	Behavioural test -Hole board
11.	11/02/2022	Behavioural test -The open-field test
12.	12/02/2022	Comparison of anti-anxiety behavioural tests
13.	14/02/2022	Assessment of biological effect of a drug in order to predict treatment outcome in patient based on questionnaires
14.	15/02/2022	Hamilton Anxiety Scale


CO-Ordinator


HOD



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Dt: 18/02/2022

PROGRAM REPORT

Name of the Program : A two – week add on program on “ **Behavioural tests to evaluate different types of anxiety and anti-anxiety effects**”

Date: 31-01-2022 to 15-02-2022 (Two Week)

Resource Person: Mr. B. Sudheer Chowdary

Assistant Professor

Contact Details: 9966425564

Mail ID: Sudheer.chowdary18@gmail.com

Course Coordinator: Mr.B.Srinivasarao

Assistant Professor

Contact Details: 9700920070

Mail ID: srinivasmk143@gmail.com

Number of Students Attended: 58

Venue: S09

Bapatla College of Pharmacy, Bapatla had organized a two – week add on program on “**Behavioural tests to evaluate different types of anxiety and anti-anxiety effects**”. During these two-week sessions extensive deliberations on behavioural studies were done. As per the ethics, a new compound or drug believes to have possible pharmacological effects should be tested on animals before tested on humans which have similar physiology as humans. Earlier rats were only used for behavioural test for evaluation of anti-anxiety drug but later on the various strain of mice were added for evaluation of anxiolytics because of better genetic possibilities than rats as discussed by the resource person. In addition to lectures by the resource person the demonstration of various methods (using different mazes) was done in pharmacology lab. All the participants have acquired skills and knowledge in carrying out pre-clinical studies on

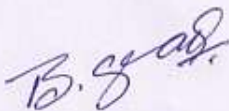
anxiety disorders which can be utilized in future for any research activities. After completion of the program the student were able to understand the following objectives & learning outcomes.

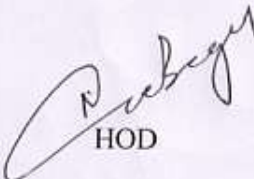
Objectives:

- Different anxiety disorders
- Anxiolytic agents (old& novel)
- Basic concepts in animal modelling of anxiety disorders
- Different behavioural test for evaluation of anti-anxiety drugs in rodents
- Comparison of anti-anxiety behavioural tests
- Examine if a drug or compound carrying an anxiolytic effect or not.

Learning Outcomes:

- Get some knowledge about anxiety disorders
- Learn about anxiety and anti-anxiety drugs
- Gets some ability to handle experimental animals in these type of experiments
- Examine the procedures involved in assessing the behaviour of animals
- Explain about various rodent based behaviour models


COORDINATOR


HOD



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Bapatla, Bapatla (Dist), Andhra Pradesh-522101

Dt: 17/1/2022

CIRCULAR

All the I / II M.Pharmacy Students are hereby informed that the Department of Pharmaceutics is organizing "A two – week add on Program on Global drug regulatory bodies" by Dr.V.Saikishore from 3rd -18th February 2022. So the interested students can register their names on or before January 30th and utilise this opportunity.

Venue: class room S05.

Coordinator: Dr.K.Rajyalakshmi, Associate Professor, Dept. of Pharmaceutics

T. Gobalakrishna
Principal

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PRINCIPAL
Bapatla College of Pharmacy
Bapatla 522 101

Signature of all HOD'S				TPO	IQAC	Office	Library
<i>V. Saikishore</i>	<i>K. Rajyalakshmi</i>	<i>P. Subramanyam</i>	<i>P. N.</i>	<i>K. P.</i>	<i>K. P.</i>	<i>S. V.</i>	<i>K. Subramanyam</i>
Pharmaceutics	Pharmaceutical Chemistry & Analysis	Pharmacology	Pharmacognosy				

BAPATLA COLLEGE OF PHARMACY (BCOP):

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ABOUT THE ADD ON PROGRAM:

The aim of this program is to improve the awareness of students on the importance of stability testing of pharmaceutical dosage forms. The purpose of stability testing is to provide evidence on how the quality of a drug substance or drug product varies with time under the influence of a variety of environmental factors such as temperature, humidity, and light and to re-establish a re-test period for the drug substance or shelf life for the drug.

TOPICS TO BE COVERED :

Basics of Regulatory Authorities
Different drug Regulatory Bodies worldwide
Regulations of TGA/CDSCO/USFDA/EMA
Focus on WTO, ICH, WIPO

A TWO-WEEK ADD-ON PROGRAM ON "GLOBAL DRUG REGULATORY BODIES"

**03-18TH FEB 2022
DEPARTMENT OF
PHARMACEUTICS**



**Bapatla College of Pharmacy
(sponsored by Bapatla Education Society).
(Approved by PCI and Affiliated to Jawaharlal
Nehru Technological University, Kakinada)
Bapatla, Bapatla (Dist), Andhra Pradesh - 52210**

ABOUT THE DEPARTMENT:

The Pharmaceutics Department

is one of the assets of our institution, having 4 Ph.D. and 7 M. Pharm-qualified faculty to support the academic and multidisciplinary research activities. The department is equipped with modern R & D equipment such as rotary tablet machine, bi-layered tablet machine, double cone blender, extruder spheronizer, fluidized bed coater, R & D coating pan, and Brookfield viscometer are available in addition to the equipment recommended by the

ADDRESS FOR COMMUNICATION

Dr.K.RAJYALAKSHMI

Associate Professor

Department of Pharmaceutics

Phone number: 9985081813

EmailID:rajimanahor3529@gmail.com

Last date for registration
30-01-2022

REGISTRATION FORM

1. Name
2. Regd number
3. Year of Study
4. Organization
5. Sex
6. Address of correspondence
7. Pin
8. Phone
9. Email

Signature of the participant

ORGANISING COMMITTEE:

PATRON OFFICE BEARERS OF BAPATLA
EDUCATION SOCIETY

CONVENOR:

Dr. T. E. GOPALA KRISHNA MURTHY

Principal

ORGANISING SECRETARY:

G.PAVANI PRIYA

Assistant professor

RESOURCE PERSON:

Dr.V. SAI KISHORE, HOD

DEPARTMENT OF PHARMACEUTICS

CO-ORDINATOR:

Dr. K. RAJYA LAKSHMI (Associate
Professor, Department of Pharmaceutics)

ORGANISING COMMITTEE:2

1.M. SUKANYA

Assistant professor

2.M.VASAVI CHANDRIKA

Assistant professor

STUDENT COORDINATORS:

1.A. RAMYA

2.A. MADHU SAI



BAPATLA COLLEGE OF PHARMACY

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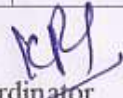
(Affiliated to Jawaharlal Nehru Technological University, Kakinada)

Bapatla, Bapatla (Dist), Andhra Pradesh-522101

Name of the programme: A TWO – WEEK ADD ON PROGRAM ON GLOBAL DRUG REGULATORY BODIES

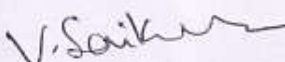
Programme schedule:

Sno	Date	Topic
1.	3-2-2022	Introduction to global drug regulatory bodies
2.	4-2-2022	Various global drug regulatory agencies
3.	5-2-2022	International drug regulatory authority for common scope of organisation
4.	7-2-2022	Focus on FDA.
5	8-2-2022	Focus on TGA /EMA
6	9-2-2022	MHRA in UK
7	10-2-2022	Indian drug regulatory authorities
8	11-2-2022	Guidelines of CDSCO
9	12-2-2022	MHRA in pharma
10	14-2-2022	Global drug regulatory system
11	15-2-2022	Focus on PAHO
12	16-2-2022	Focus on WTO, ICH.
13	17-2-2022	Focus on WIPO
14	18-2-2022	Open discussion and ending remarks by co-ordinator.


Coordinator

Dr.K.Rajyalakshmi

HOD



Dr. V. sai kishore



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Bapatla, Bapatla (Dist), Andhra Pradesh-522101

Dt: 20/2/2022

PROGRAM REPORT

Name of the Course: A TWO – WEEK ADD ON PROGRAM ON “GLOBAL DRUG REGULATORY BODIES”

Date: 03-2-2022 to 18-2-2022

Resource Person: Dr.V.Saikishore, Professor

Contact Details: 9440938249

Mail ID: voice of saikishore@yahoo.com

Name of the Coordinator: Dr.K.Rajyalakshmi, Associate Professor

Contact Details: 9985081813

Mail ID: rajimanohar3529@gmail.com

Number of Students Attended: 16

Venue: classroom S05, Second Floor

Bapatla College of Pharmacy, Bapatla organized the two-week certification course on “global drug regulatory bodies”.

Bapatla college of pharmacy, Bapatla has organised an add on program on “global drug regulatory bodies” for M.pharm I year students by the resource person Dr.V.Sai Kishore.

The topic focused on various aspects of Global drug regulatory bodies. The sessions were well organised by the resource person and after completion of course the student have gained enough knowledge on various drug regulatory authorities and statutory bodies. Totally 16 students participated in this add on program and after completion of the program students were able to understand the following objectives and learning outcomes.

Objectives:

- Drug regulatory authorities /agencies in the world
- International drug regulatory authority for common scope of these organisations.
- Focus on ICH .
- Focus TGA /FDA/EMA
- MHRA in UK

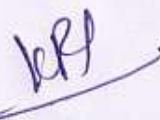
Learning Outcomes:

After completion of this course the students are able to:

- Have knowledge on guidelines of CDSCO.
- MHRA in Pharmacy.
- Global Drug regulatory system.
- WTO,ICH&WIPO.

Outcome of the program:

The Bapatla College of Pharmacy, BAPATLA, arranged a highly successful add-on program. The regulatory authorities across the globe their functions and guidelines were thoroughly taught to the students. Totally 16 students have participated in the program. The students have gained enough knowledge on different drug regulatory aspects around the globe.



Signature of Program co-ordinator