



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: 2022-23

S.No	Name of the Program	Duration of Course	No. of Participants
1	A two week add on program on narrative writing in pharmacovigilance- efficient ways and best approaches	15-07-2022 to 30-07-2022	56
2	A two week add on program on covering many facets of intellectual property rights	15-07-2022 to 30-07-2022	48
3	A two week add on program on solvent system and their selection in pharmaceutical formulation	06-09-2022 to 21-09-2022	58
4	A two week add on program on role of nutraceuticals in health care management	06-09-2022 to 21-09-2022	46
5	A two week add on program on named reactions and their industrial applications	1-02-2023 to 16-02-2023	102
6	A two week add on program on development of generic drug product by QbD approach	10-04-2023 to 27-04-2023	09

Dr. K. Rajyalakshmi
IQAC



T. Gopalakrishna
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Bapatla College of Pharmacy
Bapatla 522 101



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

Dt: 5-7-2022

CIRCULAR

This is hereby to inform all students of IV/IV B.Pharm -1st sem/7th sem that Department of Pharmacology is going to conduct a **TWO-WEEK ADD ON PROGRAM ON "NARRATIVE WRITING IN PHARMACOVIGILANCE-EFFICIENT WAYS & BEST APPROACHES"** by Mr. Neelam Begum, Associate Professor from 15-07-2022 to 30-07-2022. So here by all the students are instructed to register on or before 10-07-2022 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: Classroom F02

Coordinator: G. Swarupa rani, Assistant professor, Dept of Pharmacology.

T. Gopalakrishna
PRINCIPAL
PRINCIPAL
Bapatla College of Pharmacy
Bapatla 522 101

Copy to:

Signature of all HOD'S				TPO	IQAC	Office	Library
<i>V. Sairam</i> Pharmaceutics	<i>K. Ravi</i> Ph. Chemistr & Ph. Analysis	<i>Neelam Begum</i> Pharmacology	<i>P. N</i> Pharmacognosy	<i>K. Ravi</i>	<i>K. Ravi</i>	<i>K. Ravi</i>	<i>K. Ravi</i>

ABOUT COLLEGE

Bapatla College of Pharmacy is one of the seven educational Institutions founded and run by Bapatla Education Society (Estd.1962). It is one of the first 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 50,000 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.

DEPARTMENT OF PHARMACOLOGY:

The department of pharmacology is one of the main stay of Bapatla College of Pharmacy, with its state-of-the-art equipment and experienced faculty who are engaged in multidisciplinary pharmaceutical research, it has been serving the needs of various departments which are involved in drug discovery and development. The department provides quality preclinical and clinical education in pharmacology and therapeutics to B.Pharmacy and M.Pharm(Pharmacology) students. The CPCSEA approved animal house which is the first of its kind in colleges affiliated to JNTU Kakinada with its eminent IAEC (Institutional Animal Ethics Committee) members have paved way for the smooth conductance of many research activities by the students and scholars of the college and various universities.

CHEIF PATRON:

**OFFICE BEARERS OF BAPATLA
EDUCATION SOCIETY**

CONVENOR:

DR.T.E.GOPALA KRISHNA MURTHY

ORGANIZING SECRETARY:

Mr.Sudheer Chowdary
Assistant Professor
Department of Pharmacology

RESOURCE PERSON:

Mrs.Neelam Begum
Associate Professor
Department of Pharmacology

CO-ORDINATOR:

G.SwarupaRani
Assistant Professor
Department of Pharmacology

ORGANIZING COMMITTEE:

Mr.B.SrinivasRao, Assistant Professor
Mrs.M.Annie, Assistant Professor

STUDENT COORDINATORS:

- 1.N.Smily
- 2.B.CharishmaNagasai

**A TWO WEEK ADD ON PROGRAM ON
"NARRATIVE WRITING IN
PHARMACOVIGILANCE -
EFFICIENT WAYS & BEST
APPROACHES"**

15th July-30th July 2022

**Organized by
Department of Pharmacology**



Bapatla College of pharmacy
(Sponsored by Bapatla Education Society)
(Approved by PCI and Affiliated to
Jawahar Nehru Technological University,
Kakinada)
Bapatla, Bapalla(Dist), Andhra Pradesh-
522101

ABOUT ADD ON PROGRAM

This course has been developed to acquire skills on narrative writing in different phases of clinical trials & focussing mainly on patients safety narrative writing.

TOPICS TO BE COVERED:

Contents of the course would focus upon following aspects, for the implementation of the objectives

- .Narrativewriting:

Introduction,sources,types & therapeutic areas

.Regulatory requirenents FDA, EMA&ICH-E3

guidelinesandoverviewonICHE2B(R3)

- Regulatoryreview perspective

- Narrativewriting process

- Challengesin narrativenwritingprocess

ADDRESS FOR COMMUNICATION

G.Swarupa Rani

Assistant Professor

Dept of Pharmacology

Phone number9505996955

Email ID: rupamph@gmail.com



Last date for registration

10-07-2022

Registration form

Name:

Regd Number:

Year of study:

Organization:

Sex (Male/female)

Addressfor correspondence

Pin:

Phone:

Email:

Signature of the Participant

Signature of the head of the institute
(with official seal only)



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Bapatla, Bapatla (Dist), Andhra Pradesh-522101

Department of Pharmacology:

Name of the program: A TWO-WEEK ADD ON PROGRAM ON "NARRATIVE WRITING IN PHARMACOVIGILANCE-EFFICIENT WAYS AND BEST APPROACHES".

Program schedule:

Sno	Date	Topic
1.	15-7-2022	Introduction, stakeholders, applicability
2.	16-7-2022	Types & sources
3.	17-7-2022	Therapeutic areas
4.	18-7-2022	Regulatory requirements-FDA, EMA
5	20-7-2022	Regulatory requirements-ICH-E3 guidelines
6	21-7-2022	Overview on ICH E2 (R3)
7	22-7-2022	Regulatory review perspective
8	23-7-2022	Characteristics of case narratives & Standard narrative template
9	24-7-2022	Narrative writing process-Flow of narratives
10	25-7-2022	Narrative writing process-Effective ways to execute the narrative writing process
11	27-7-2022	Narrative writing process -Challenges faced
12	28-7-2022	Automation of narratives
13	29-7-2022	Few tips for narrative writing
14	30-7-2022	Open discussion on topic, valedictory note by co-coordinator.

Program coordinator: G.Swarupa rani

G. Swarupa Rani



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Bapatla, Bapatla (Dist), Andhra Pradesh-522101

Dt.02-08-2022

Program Report

Name of the Program: A two week add on program on Narrative writing in pharmacovigilance-Efficient ways and best approaches".

Date & Duration: 15-07-2022 TO 30-07-2022; 2 WEEKS

Resource person: Mrs. Neelam Begum
Associate Professor
Department of pharmacology
Phone number: 9666810156
Email : neelammpharm@gmail.com

Program Coordinator: G.Swarupa rani
Assistant Professor
Department of pharmacology
Phone number:9505996955
EmailID:rupamph@gmail.com

Number of students participated: 56

Venue: Class room F02 , Bapatla college of pharmacy

Bapatla college of pharmacy ,Bapatla has organised an add on program on "Narrative writing in pharmacovigilance-Efficient ways and best approaches" for B.pharm final year students by the resource person Mrs.Neelam Begum. Narrative writing is an important part of pharmacovigilance and in patient safety as well usually patient narratives are written in case of Adverse Events and serious adverse Events including deaths.Patient narratives form a very important part of clinical study reports and all other post marketing activities. A total of 56

students participated in this add on program and after completion of the program students were able acquire knowledge & develop skills in fulfilling the objectives and their express the following learning outcomes.

Objectives:

- Summarize about narrative writing, purpose and application in pharmacovigilance
- Describe relevant regulatory requirement in producing good quality case narratives.
- Define and evaluate the relevant critical data elements
- Clarify special situations and challenges
- Acquire and practice the skills necessary for generating well written case narrative for reporting to regulatory authorities.

Topics covered:

- Narrative writing : Introduction, sources, types & therapeutic areas
- Regulatory requirementsFDA,EMA& ICH-E3 guidelines and overview on ICH E2B(R3)
- Regulatory review perspective
- Narrative writing process
- Challenges in narrative writing process
- Automation of narratives

Learning outcomes:

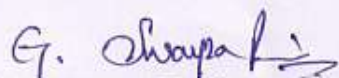
- Recall on regulatory requirements for narrative writing
- Explain the contents of narrative writing in post marketing surveillance
- Describe the method of writing medical narratives for ADR's of various systems
- Identify the challenges in the area of narrative writing process
- Learn about the logical flow to describe the event(s) in a typical clinical narrative writing.

The clinical course of the events , with an indication of the timing of event corresponding to study drug administration Nature,intensity/severity, and outcome of the event relevant laboratory findings. Treatment administered for the event action taken concerning the study drug Postmortem findings(if applicable) Investigator 's and sponsor's assessment (if required) on Causality

- Create a template for narrative writing according to the clinical study for specific CRO etc
- Develop skills in narrative writing and implement the it in real scenario

Outcome of the program:

The Bapatla College of Pharmacy, BAPATLA, arranged a highly successful add-on program. Narrative writing in pharmacovigilance with special concern on efficient ways and best practices were thoroughly taught to the students. Totally 56 students have participated in the program. The Skills required for effective narrative writing which plays a significant role in patient safety monitoring were developed for the students.



Signature of the Program Coordinator



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Bapatla, Guntur(Dist), Andhra Pradesh -522101

DATE: 5-7-2022

CIRCULAR

This is hereby to inform all students of IV/IV B.Pharm -1st sem/7th sem that Department of Pharmaceutics is going to conduct a “ A TWO-WEEK ADD ON PROGRAM ON COVERING MANY FACETS OF INTELLECTUAL PROPERTY RIGHTS”.by Dr. V. Sai Kishore , Professor, HOD from 15-07-2022 to 30-07-2022 .So here by all the students are instructed to register on or before 10-07-2022 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: Classroom F13

Coordinator:G.Pavani Priya, Assistant professor, Dept of Pharmaceutics.

T. Gobalakrishna

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Bapatla College of Pharmacy

Bapatla 522 101

Copy to:

Signature of all HOD'S				TPO	IQAC	Office	Library
<i>V. Sai Kishore</i>	<i>K. Teja</i>	<i>P. Subbarao</i>	<i>P. U</i>	<i>K. Teja</i>	<i>PR</i>	<i>P. U</i>	<i>K. Subbarao</i>
Pharmaceutics	Ph. Chemistry & Ph. Analysis	Pharmacology	Pharmacognosy				

BAPATLA COLLEGE OF PHARMACY (BCOP):

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ABOUT THE ADD ON PROGRAM:

This course has been designed to cover the basics of IPR and understand the way they can protect findings of research in the form of patents, copyrights etc..

TOPICS COVERED

Content of the course would touch upon following aspects, to achieve the objectives

1. Intellectual Property- concept, identification, types and creation.
2. Registering your IP - Procedure.
3. Patent Informatics.
4. Copyright in India.

**A TWO WEEK ADD ON
PROGRAM ON
"COVERING MANY
FACETS OF INTELLECTUAL
PROPERTY RIGHTS"**

**15-30 th JULY 2022
DEPARTMENT OF
PHARMACEUTICS**



Bapatla College Of Pharmacy

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

ABOUT THE DEPARTMENT :

Department of Pharmaceutics: Pharmaceutics deals with the design and development of dosage forms for a drug and methodologies to deliver the drug to the desired site of the action in the body. Graduates of the program are highly sought after by the pharmaceutical industry to support research, development and manufacturing operations. Department of Pharmaceutics equipped with state of the art facilities and upgraded regularly. We offer a training environment that includes cutting edge laboratory instrumentation and technologies, award winning faculty, devoted and experienced teachers, and knowledgeable staff. To endow the knowledge, skills, and expertise in formulation development, manufacture and regulatory aspects for the benefit of human healthcare. The infrastructure available in the institution facilitated refining of the curriculum to meet the current industry needs with the joint exercise of industry and academia experts.

ADDRESS FOR COMMUNICATION

Mrs.G.Pavani Priya
Assistant Professor
Department of Pharmaceutics
Phone Number :9652068625
Email ID :
gpavanipriya86@gmail.com

Last date for registration
10-07-2022

ORGANISING COMMITTEE:

Patron : Office Bearers of Bapatla Education Society

CONVENOR:

Dr.T.E Gopala Krishna Murthy principal

ORGANISING SECRETARY:

Dr. K .Rajya lakshmi
Associate professor
Department of pharmaceutics

RESOURCE PERSON :

Dr. V.Sai Kishore HOD, Professor
Department of Pharmaceutics

CO-ORDINATOR:

Mrs.G.Pavani Priya
Assistant professor
Department of Pharmaceutics

ORGANISING COMMITTEE:

Mrs.M.Sukanya -Assistant professor
Mrs.Padma Priya , Assistant professor

STUDENT COORDINATORS:

1.Shaik Dawood Hussain
2.Shaik Taffazul



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Department of Pharmaceutics:

Name of the program: A TWO-WEEK ADD ON PROGRAM ON "COVERING MANY FACETS OF INTELLECTUAL PROPERTY RIGHTS".

Programme schedule:

<u>Sno</u>	<u>Date</u>	<u>Topic</u>
1.	15-7-2022	Introduction to Intellectual property rights
2.	16-7-2022	Identification,types and creation.
3.	17-7-2022	Different types of intellectual property rights
4.	18-7-2022	concept of intellectual property and property rights.
5	20-7-2022	Awareness on concept of patent informatics
6	21-7-2022	The importance of copy right in India
7	22-7-2022	Registering of IP- procedure.
8	23-7-2022	Patent Informatics
9	24-7-2022	Nature and objectives of IPR
10	25-7-2022	Familiarize on patent informatics
11	27-7-2022	IP registration procedure
12	28-7-2022	Filing of NDA &ANDA
13	29-7-2022	Different organisations of IPR.
14	30-7-2022	Open discussion on topic, valdictory note by co-ordinator.

G. pavanipriya
Program Coordinator:G.Pavanipriya



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Bapatla, Bapatla (Dist), Andhra Pradesh-522101

Dt.02-08-2022

Program Report

Name of the Program: A Two-week Add on program on covering many facets of intellectual property rights.

Date & Duration: 15-07-22 to 30-07-22; 2 WEEKS

Resource person: Dr. V. Sai kishore
HOD & Professor
Department of pharmaceutics
Phone number: 9440938249
Email : voiceofsaikishore@yahoo.com

Program Coordinator: G.Pavani Priya
Assistant Professor
Department of pharmaceutics
Phone number:9652068625
Email ID: gpavanipriya86@gmail.com

Number of students participated: 48

Venue: Class room F13, Bapatla college of pharmacy

Bapatla college of pharmacy ,Bapatla has organised an add on program on" covering many facets of IPR" for B.pharm final year students by the resource person Dr.V.Sai Kishore. Intellectual property rights/IPR is the rights given to persons over the creations of their minds. They usually give the creator an exclusive right over the use of his/her creation for a certain period of time. Totally 48 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:

- Define intellectual property rights
- Delineate the concept of intellectual property and property rights.
- Explain the concept and significance of intellectual property rights
- Discuss the different types of intellectual property rights
- IP registration procedure.
- Awareness on concept of patent informatics

- The importance of copy right in India

Topics to be covered:

- Intellectual Property – Concept, Identification, types and Creation.
- Registering your IP- procedure.
- Patent Informatics.

Learning outcomes:

- You will learn that intellectual property right is an important right and values the creativity and originality which is a result of an individual's mind and intelligence.
- IPR provides incentives as well as recognition to the concerned persons/ authorities/ nations/institutions/ or organizations.
- Objectives of IPR
- Property rights encourage innovations and ensure a better quality of life.
- Got to know various types of IPR
- How to register your IP
- Familiarize on patent informatics
- Significance of copy right and its infringement

Outcome of the program:

The Bapatla College of Pharmacy, BAPATLA, arranged a highly successful add-on program. The necessity of IPR in the current environment was thoroughly taught to the students. Totally 48 students have participated in the program .The ability to explain inventive talents and entrepreneurship has been much enhanced for the students.

GPR

Signature of the Program Coordinator



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Bapatla, Guntur(Dist), Andhra Pradesh -522101

Datet: 26/08/2022

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 **"SOLVENT SYSTEM AND THEIR SELECTION IN PHARMACEUTICAL FORMULATION "** by Dr.T.E.Gopala Krishna Murthy, Professor & Principal BAPATLA COLLEGE OF PHARMACY from SEPTEMBER 6th – 21st . So the interested students can register their names on or before 1ST SEPTEMBER

Venue: CLASSROOM S09

Coordinator: Mrs. G.Pavani Priya, Assistant Professor

Dept. of Pharmaceutics

T. Gopalakrishna

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Bapatla College of Pharmacy
Bapatla 522 101

Copy to:

Signature of all HOD'S				TPO	IQAC	Office	Library
<i>V. Saikrishna</i>	<i>K. P. Ravi</i>	<i>N. R. B. Ravi</i>	<i>P. N. R.</i>	<i>K. P. Ravi</i>	<i>P. N. R.</i>	<i>P. N. R.</i>	<i>K. P. Ravi</i>
Pharmaceutics	Pharmaceutical Chemistry & Analysis	Pharmacology	Pharmacognosy				

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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 research 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 equipment recommended by the statutory agencies.

ABOUT THE ADD ON PROGRAM:

This course is aimed to improve the knowledge of students on solvent selection and their influence on product development, efficacy, stability and safety of drug product. Various solvents are used in production of bulk drug and product development. The key considerations pertaining to selection of solvent based on drug product, route of administration, organoleptic issues, ease of product development and regulatory prospective point of view are elaborately discussed. Appropriate experimentation and demonstration with proper case studies are also proposed in this programme schedule.

TOPICS TO BE COVERED:

- Solvent selection for preformulation studies
- Residual solvent in solid dosage forms
- Solvents for sterile dosage forms
- Vehicles for oral and topical formulations
- Biorelevant dissolution media development
- Solvent selection for membrane, cell and tissue based permeability assessment

**A TWO WEEK ADD ON
PROGRAM ON "SOLVENT SYSTEM
AND THEIR SELECTION IN
PHARMACEUTICAL
FORMULATION "**

**06 th to 21 st SEP 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, Guntur (Dist), Andhra Pradesh-522101

ADDRESS FOR COMMUNICATION

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

Last date for registration
01-09-2022

ORGANISING COMMITTEE:

Patron: Office Bearers of Bapatla Education Society

CONVENOR :

Dr. K. RAJYA LAKSHMI Associate professor
Department of pharmaceutics

ORGANISING SECRETARY:

DR. V. SAI KISHORE, HOD DEPARTMENT
OF PHARMACEUTICS

RESOURCE PERSON:

Dr. T.E. GOPALA KRISHNA MURTHY
Professor & Principal

CO-ORDINATOR:

Mrs. G. pavani Priya
(Assistant Professor, Department of
Pharmaceutics)

ORGANISING COMMITTEE:

Mrs. M. Sukanya
Assistant professor, Department of
pharmaceutics
Poonguzhali
Assistant Professor, Department of
pharmaceutics

STUDENT COORDINATORS:

1. Lakshmi Kanth
2. Ramya

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 the head of the institute
(with official seal)



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Department of pharmaceutics

Name of the program : A TWO WEEK ADD ON COURSE ON "SOLVENT SYSTEM AND THEIR SELECTION IN PHARMACEUTICAL FORMULATION"

Program schedule:

S.No	Date	Topic
1.	6 th September 2022	Inauguration of the session with the welcome address by the coordinator, followed by the lecture on concepts of solubility and solubility estimation.
2.	7 th September 2022	Importance of solvent in preformulation studies. Experiments on influence of buffers and cosolvents on drug solubility,
3.	8 th September 2022	Solubility considerations in dosage forms intended for different routes of administration.
4.	9 th September 2022	Impact of solvent on stability of drugs. Experiments to estimate the stability of drugs in presence of different solvents.
5.	10 th September 2022	Influence of residual solvent on solid dosage forms with a regulatory prospective and control.
6	12 th September 2022	Solvent selection for tablet coating.
7.	13 th September 2022	Vehicle considerations in development of liquid orals. A case study on development of paracetamol syrup.
8.	14 th September 2022	Sterile aqueous and nonaqueous vehicles and their selection criterion in parenteral products.
9	15 th September 2022	Solubilising systems for parenteral formulation.
10	16 th September 2022	Vehicles for metered dose inhalers.
11.	17 th September 2022	Biorelevant dissolution media importance and development.
12.	19 th September 2022	Vehicles for topical dosage forms.
13.	20 th September 2022	Physiological factors to be considered in solvent selection.

14	21 st September 2022	Solvent selection for membrane, cell and tissue based permeability assessment. Open discussion and valedictory session.
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G. Pavan Priya
Program coordinator: G. Pavan Priya



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Bapatla, Guntur(Dist), Andhra Pradesh -522101

Dt: 24/09/2022

PROGRAM REPORT

Name of the Program: A TWO WEEK ADD ON PROGRAM ON “**SOLVENT SYSTEM AND THEIR SELECTION IN PHARMACEUTICAL FORMULATION**”

Date: 06-09-2022 to 21-09-2022

Resource Person: Dr.T.E.Gopala Krishna Murthy, Professor & Principal

Contact Details: 9912342094

Mail ID: bcp.principal@gmail.com

Name of the Program Coordinator: . G Pavani Priya

Assistant Professor

Department of pharmaceuticals

Phone number:9652068625

Email ID: gpavanipriya86@gmail.com

Number of Students Attended: 58

Venue: CLASSROOM S09

Bapatla College of Pharmacy, Bapatla organized A TWO WEEK ADD ON PROGRAM on “**Solvent system and their selection in pharmaceutical formulation**”

The program was inaugurated by Dr.V.Saikishore, Head of the Department of pharmaceuticals on 6th SEPTEMBER 2022 at class room S09. During this two week session extensive deliberations on influence of solvent on solubility, stability, safety and regulatory restrictions of drug and drug product was discussed by the resource person Dr.T.E.Gopala

Krishna Murthy. In addition to lectures by the resource person, demonstrations and experimentations related to the effect of solvent, cosolvent on solubility and stability of the drug were also performed by student groups. On 21st SEPTEMBER 2022 valedictory session was conducted and participation certificates were issued to the attendees. The session ended with the closing remarks of the Coordinator Mrs. G.Pavani priya .

Objectives:

- Principles of solubility and solubility estimation
- Solvent system for crystallisation and production of required polymorphic form
- Factors to be considered in selection of solvent for product development.
- Development of biorelevant dissolution media
- Role of dielectric constant in solving the problems related to the syrups
- Solvent selection in sterile dosage forms
- Vehicles for topical dosage forms

Topics Covered:

- Solvent selection for preformulation studies
- Residual solvent in solid dosage forms
- Solvents for sterile dosage forms
- Vehicles for oral and topical formulations
- Biorelevant dissolution media development
- Solvent selection for membrane, cell and tissue based permeability assessment

Learning Outcomes:

After completion of this course the students are able to:

- Improve the solubility of poorly soluble drugs.
- Enhance the stability of drugs.
- Conduct the preformulation studies
- Know the regulatory guidelines on residual solvents
- Design and develop stable and safe drug product

Outcome of the program:

The Bapatla College of Pharmacy, BAPATLA, arranged a highly successful add-on program. The necessity of Solvent system and their selection in pharmaceutical formulation in the current scenario was thoroughly taught to the students. Totally 58 students have participated in the program . In addition to lectures by the resource person, demonstrations and experimentations related to the effect of solvent, co solvent on solubility and stability of the drug were also performed by student groups



Signature of program coordinator



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Bapatla, Bapatla (Dist), Andhra Pradesh -522101

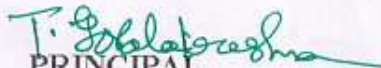
Date: 29-08-22

CIRCULAR

All the III / IV B.Pharmacy Students are here by informed that the Department of Pharmacognosy is organizing a two week Certification course on "Role of Nutraceuticals in Healthcare management" by G. Shiny from 06-09-22 to 21-09-22. So the interested students can register their names at the respective department before 03-09-22.

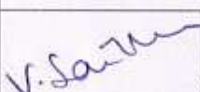
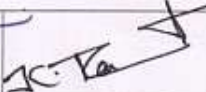
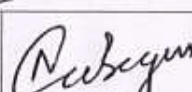
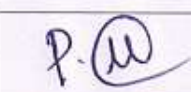
Venue: Seminar Hall (S06)

Coordinator: Ms.P. Sai Padma Priya, Assistant Professor


PRINCIPAL

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PRINCIPAL
Bapatla College of Pharmacy
Bapatla 522 101

Signature of all HOD'S				TPO	IQAC	Office	Library
							
Pharmaceutics	Pharmaceutical Chemistry & Analysis	Pharmacology	Pharmacognosy				



Dr. TEGK Murthy
PRINCIPAL

About the Course:

This course is aimed to improve the knowledge of students on significant role in modifying and maintaining normal physiological function that maintains healthy human beings. The key considerations pertaining to how consumption of the junk food and poor nutrition leading to number of diseases like heart disease, osteoporosis, arthritis, diabetes, cancer, obesity etc will be discussed. Proper case studies are also proposed in this programme schedule.



Resource Person

Mrs Shiny Ganji
Associate Professor
Department of Pharmacognosy
Bapatla College of Pharmacy

About Us

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 first private pharmacy colleges established in the year 1995 with requisite infrastructure facilities and competent human resources; The College is one of the "oldest and reputed pharmaceutical institutions in the state of Andhra Pradesh. It is located in 55 acres green campus with 50,000 sq ft state of the art teaching and laboratory facilities, the college houses an A.P. State Govt approved FR &D centre in its campus.

Last date for registration:
03-09-22



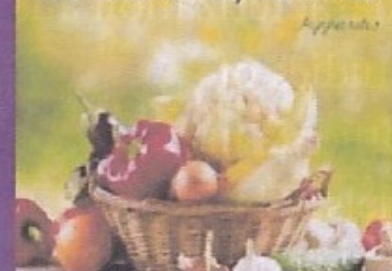
BAPATLA COLLEGE OF PHARMACY

Patronized by Bapatla Education Society

Approved by AICTE, PCI, New Delhi &

Affiliated to JNTUK, Rakinada

"Let Food be Thy Medicine"



**A TWO WEEK
CERTIFICATION COURSE
ON**

**Role of
Nutraceuticals in
health care
management**

06-09-22 - 21-09-22

About 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

Program Coordinator

Ms. P. Sai Padma Priya

Assistant Professor

Department of Pharmaceutics

Organising secretary

Mrs. Sukanya

Assistant Professor

Department of Pharmaceutics

Organising Committee

Mrs M. Vasavi Chandrika

Assistant Professor

Department of Pharmaceutics

Mr. B. Sudheer Chowdary

Department of Pharmacology

Resource Person

Mrs. Shiny Ganji

Associate Professor

Bapatla College of Pharmacy

Student Coordinators

Ms. Tejaswini

III Year B.Pharmacy

Ms Kundana Srija

III Year B.Pharmacy

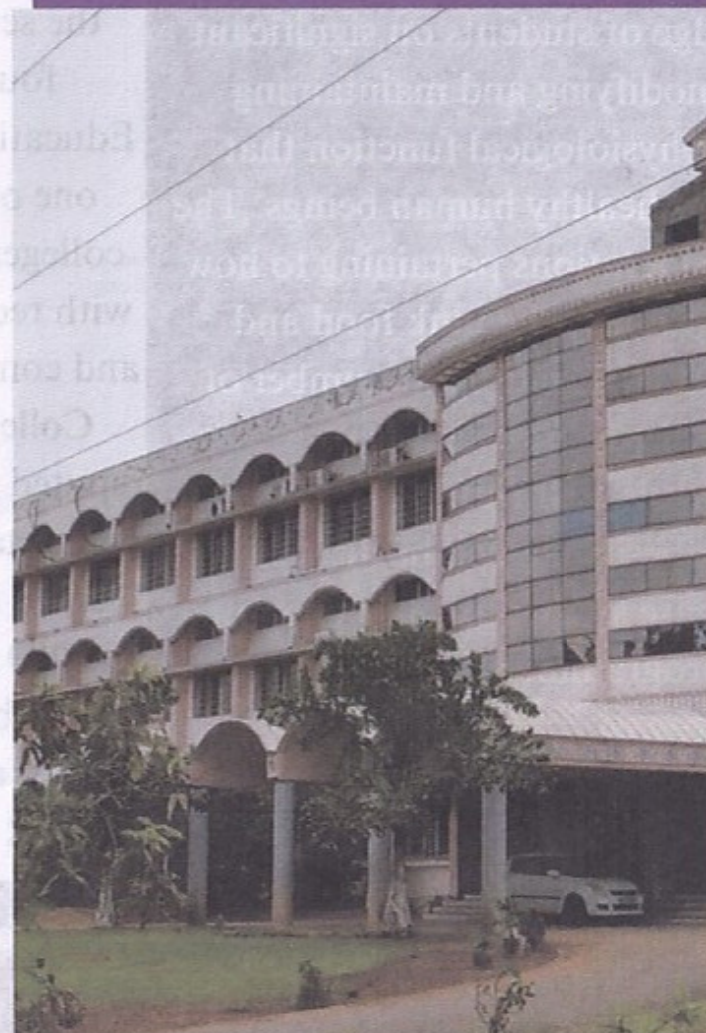
Contact

9182613089

8106723608

KEY HIGHLIGHTS

- Food and its importance
- Effect of food on health
- Role of antioxidants, pre and probiotics, omega fatty acids
- Prevention of diseases with nutraceuticals
- Present market of Nutraceuticals
- How to Start up on Nutraceuticals





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Bapatla, Bapatla (Dist), Andhra Pradesh -522101

SCHEDULE OF THE PROGRAM

Name of the Programme: A two - weeks Certification course on "Role of Nutraceuticals in Health care Management"

S.No	Day	Schedule
1	06-09-22	Inauguration of the session with the welcome address by the coordinator Mrs. P. Madhu latha and key note address by Dr. TEGK Murthy, Principal followed by the lecture on Introduction to nutraceuticals and food supplements by Mrs. G. Shiny
2	07-09-22	Role and need for Nutraceuticals
3	08-09-22	Global scenario and Indian perspectives based on Ayurveda, Siddha, Unani and Natural medicine
4	09-09-22	Study of various natural products, study of various active ingredients and effect on human body and systems.
5	10-09-22	Role of antioxidants, omega fatty acids, vitamins, pro and prebiotics in health
6	12-09-22	Design and Development of nutraceutical products
7	13-09-22	Effects of junk foods on health leading to various diseases.
8	14-09-22	Role of nutraceuticals in major diseases like cancer, cardiovascular, obesity and Diabetes
9	15-09-22	Case studies of nutraceuticals in prevention of various diseases
10	16-09-22	Recent trends in nutraceutical research
11	17-09-22	Diet plan to maintain good health
12	19-09-22	Startup venture on Nutraceutical business
13	20-09-22	Licencing procedures, requirements, financial model and government schemes
14	21-09-22	Marketing and sales of Nutraceuticals, Future prospects.

P. Saisadma Panga
COORDINATOR

P. W.
HEAD OF THE DEPARTMENT



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Bapatla, Bapatla (Dist), Andhra Pradesh -522101

Date: 24/9/2022

PROGRAM REPORT

Name of the Course: A two week Certification course on "Role of Nutraceuticals in Health care Management"

Date : 6/9/22 – 21/9/22

Resource Person : Mrs. Shiny Ganji
Associate Professor
Department of Pharmacognosy
Mobile: 9030798470
E mail : gshiny.d@gmail.com

Program Coordinator: Ms. P. Padma Priya, Assistant Professor
Mobile: 8106723608
E mail: priyapoli@gmail.com

Number of Students Attended: 46

Venue : Seminar Hall, Second Floor

Bapatla College of Pharmacy, Bapatla organized the two-week certification course on "Role of Nutraceuticals in Health care Management".

The program was inaugurated by Dr. TEGK Murthy, Principal, on 6th September 2022 at Seminar Hall. During this two week session extensive deliberations on role of nutraceuticals in prevention of various diseases, effects on junk foods and maintenance of good health by nutraceuticals was discussed by the resource person Mrs. G. Shiny. In addition to lectures by the resource person, case studies were also discussed and various health parameters were checked by students practically. On 21st September 2022, valedictory session was conducted and participation certificates were issued to the attendees. The session ended with the closing remarks of the Coordinator Ms. P. Padma Priya.

Objectives:

- To bring awareness among students how to improve health, delay aging process and to prevent chronic diseases.
- Different diseases like stress, cancer, obesity can be managed by nutraceuticals.
- Role of active constituents like anti oxidants, prebiotics, probiotics, vitamins, omega 3 fatty acids in maintaining health of the body.
- Role and effect of junk foods in damaging health.
- Present and future prospects, marketing, business of nutraceuticals.

Learning Outcomes:

After completion of this course the students are able to:

- Understand importance of personalized food.
- Functional foods and their effects on human health
- Role of nutrition in health
- New developments of Nutraceutical products
- How nutraceuticals support the functions and integrity of the body.

P. Sai Radhadevi
COORDINATOR



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Bapatla, Bapatla (Dist), Andhra Pradesh -522101

Date: 17-01-2023

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 NAMED REACTIONS AND THEIR INDUSTRIAL APPLICATIONS" by K. Ranjith, Associate Professor, from 01-02-2023 to 16-02-2023. So here by all the students are instructed to register on or before 28-01-2023 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: S08, Bapatla college of pharmacy.

Co-Ordinator: R. venkatakrshina, Assistant Professor, Dept of Pharmaceutical chemistry & Analysis

T. Gopalakrishna

PRINCIPAL

PRINCIPAL

Bapatla College of Pharmacy
Bapatla 522 101

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Signature of all HOD'S				TPO	IQAC	Office	Library
<i>V. Saikumar</i>	<i>K. Ranjith</i>	<i>R. Venkatakrishna</i>	<i>A. S. S.</i>	<i>K. Ranjith</i>	<i>K. Ranjith</i>	<i>R. Venkatakrishna</i>	<i>S. S. S.</i>
Pharmaceutics	Ph. Chemistry & Ph. Analysis	Pharmacology	Pharmacognosy				

ABOUT THE COLLEGE:

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 first 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 50,000 sq ft 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.

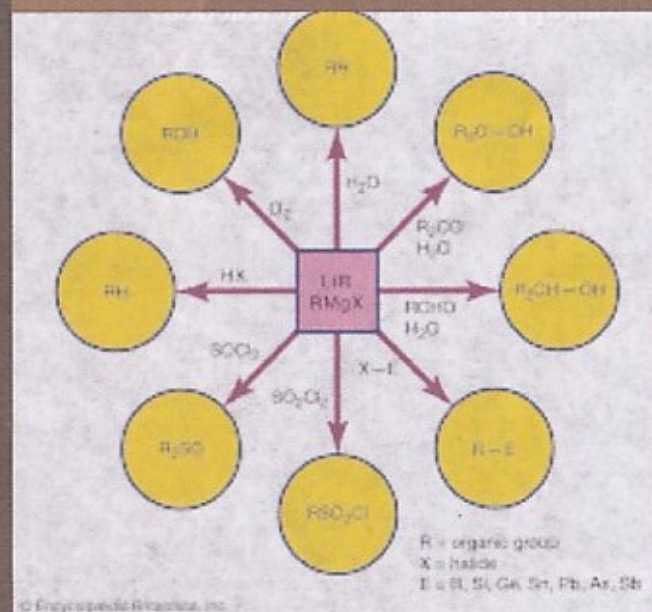
ABOUT THE DEPARTMENT:

The Department of Pharmaceutical chemistry & Analysis is well known for its excellence in teaching and research. The faculty members of the department come from high degree profile by well known universities. The faculty members of the department are engaged in state of the art research. The department has made great strides by revising and updating pharmacy syllabus time and again. Chemistry at its most fundamental level, creating sustainable energy, improving the environment, detecting and curing the disease

TWO-WEEK ADD ON PROGRAM ON NAMED REACTIONS AND THEIR INDUSTRIAL APPLIACATIONS

Last date for registration
28/01/2023

Program duration
1/02/2023 to 16/02/2023



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-522101

ABOUT THE ADD ON PROGRAM

This value add on course is designed to train the participants on the basics concept of named reaction with their industrial application, to provide a better understanding beyond syllabus and recognize the students which type reaction by using their principle, general mechanism of action and explain their industrial scale applications is used, the resource person is well experienced in teaching the relevant subject

TOPICS TO BE COVERED

Content of the program would touch upon the following aspects

to achieve the objectives

- 1.introduction of named reaction
- 2.Definition and types of named reaction
- 3.Principles of named reaction and their mechanism of action
- 4.industrial application of named reactions

Registration Form

- 1.Name
- 2.Regd number
- 3.Year of Study
- 4.Organization
- 5.Gender
- 6.Address for correspondence
- 7.Pin
- 8.Phone and Email
- 9.Signature of participants

Signature of the head of the
institute
(With officials)

CHIEF PATRON

Office bearers of Bapatla college of
pharmacy

CONVENOR

Dr.T. E.Goapala Krishna Murthy
Principal & Professor

Bapatla College of Pharmacy

ORGANISING SECRETARY

Mr I. Sri Krishnajaneyulu –
Assistant Professor

Department of Pharmaceutical Chemistry

RESOURCE PERSON

Mr. K. Poorna Chandra Rao -Assistant
Professor

Department of Pharmaceutical Chemistry

PROGRAM COORDINATOR

Ms. S. Shoba – Assistant Professor

ORGANISING COMMITTEE

Mr. I. Sri Krishnajaneyulu – Assistant
Professor

Department of Pharmaceutical chemistry

Mr. K. Poorna Chandra Rao -Assistant
Professor

Department of Pharmaceutical Chemistry

Ms. S. Shoba- Assistant Professor

Department of Pharmaceutical chemistry

STUDENT COORDINATORS

Mr. P.Praveen -II Year B.Pharmacy

Mr. Naveen – II Year B.Pharmacy



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Bapatla, Bapatla (Dist), Andhra Pradesh -522101

Department of Pharmaceutical chemistry and Analysis

Name of the Program: A TWO-WEEK ADD ON PROGRAM ON NAMED REACTION AND THEIR INDUSTRIAL APPLICATIONS

PROGRAM SCHEDULE

Sno	Date	Topic
01	01-02-2023	Introduction and named reactions
02	02-02-2023	Types of reactions and reagents used in named reactions
03	03-02-2023	Preparations of named reactions and their reagents
04	04-02-2023	Preparations of named reactions and their reagents
05	06-02-2023	Principles of all named reactions
06	07-02-2023	Principles of all named reactions
07	08-02-2023	Mechanism of actions of all types of named reactions
08	09-02-2023	Mechanism of actions of all types of named reactions
09	10-02-2023	Based on named reactions to prepare substituent's
10	11-02-2023	Industrial Applications of named reactions
11	13-02-2023	Industrial Applications of named reactions
12	14-02-2023	Advantages and limitation of named reaction
13	15-02-2023	Advantages and limitation of named reaction
14	16-02-2023	Precautions of all types of named reactions

R. Venkatakrishna
Coordinator
R. venkatakrshina,

K. Ranjith
HOD
K Ranjith



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Bapatla, Guntur (Dist), Andhra Pradesh -522101

Date: 20-02-2023

PROGRAM REPORT

Name of the Program: A Two Week Add on Program on named reactions and their industrial Applications

Date and Duration: 01-02-2023 to 16-02-2023; 2 WEEKS

Resource Person: K. Ranjith

Associate Professor

Department of Pharmaceutical Chemistry & Analysis

Phone number: 9491668829

Email ID: ranjith.kapu@gmail.com

Program Co-Ordinator: R. venkatakrshina

Assistant Professor

Department of Pharmaceutical Chemistry & Analysis

Phone number: 6302333283

Email ID: rajuvenkatakrshina@gmail.com

Number of students participated: 102

Venue: S08, Bapatla College of pharmacy

Bapatla College of pharmacy. Bapatla has organized an add on program on "Named reactions and their industrial applications" for B. pharm second year students by the resource person K. Ranjith. Named reactions are used in physical and analytical chemistry to detect, determine types of reactions. Totally 102 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:

- Saying the name reaction permits to bring to the mind of well-informed reader.
- List various common indicators of a chemical reactions
- Write equations describing chemical reactions using proper symbols
- To learn types of principles, mechanism and their industrial applications beyond the syllabus

Topics to be covered:

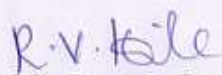
- Introduction and types of reactions beyond the syllabus
- Principles and mechanism of named reactions
- Applications of named reactions

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

- Explain the basic concept of named reactions
- Types of named reactions with their definitions and reagents used in these reactions
- Select a suitable method for the explanation of principles and mechanisms
- Advantages and drawbacks precautions

Outcome of the Program:

The Bapatla College of Pharmacy, BAPATLA, arranged a highly successful add-on program. The applications of named reactions thoroughly taught to the students. Totally 102 students have participated in the program. The student will be able to understand the type of the reaction in the given named reaction.


Signature of the Program Coordinator



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Bapatla, Bapatla (Dist), Andhra Pradesh -522101

Date: 25-03-2023

CIRCULAR

This is hereby to inform all students of I/II M.Pharmacy that Department of Pharmaceutics is going to conduct a "TWO WEEK ADD ON PROGRAM ON DEVELOPMENT OF GENERIC DRUG PRODUCT BY QbD APPROACH" by Dr. T.E. Gopala Krishna Murthy, Professor, Principal from 10-04-2023 to 27-04-2023. So here by all the students are instructed to register on or before 05-04-2023 and utilize this golden opportunity to abreast knowledge by attending the classes.

Venue: Classroom S05

Coordinator: P. Sai Padma Priya, Assistant professor, Dept of Pharmaceutics.

T. Gopala Krishna
PRINCIPAL

PRINCIPAL
Bapatla College of Pharmacy
Bapatla 522 101

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Signature of all HOD'S				TPO	IQAC	Office	Library
<i>V. Sai Kumar</i>	<i>K. Karan</i>	<i>P. Sai Padma Priya</i>	<i>G. Suresh</i>	<i>K. Karan</i>	<i>K. Karan</i>	<i>P. Sai Padma Priya</i>	<i>K. Karan</i>
Pharmaceutics	Ph.Chemistry & Analysis	Ph.cology	Ph.cognosy				

BAPATLA COLLEGE OF PHARMACY (BCOP):

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ABOUT THE ADD ON PROGRAM:

Regulatory agencies are suggesting the implementation of QbD in Drug product development and good demand in Industry for the professionals having knowledge on QbD. Present curriculum is covering the basics of QbD; however knowledge on case studies and practical concepts is lagging. To fill this curriculum gap this course is designed.

TOPICS TO BE COVERED:

- Preparation of QTPP document
- Identification of CQA
- Correlation of CMA, CPP with CQA
- DOE Optimization

A TWO WEEK ADD ON
PROGRAM ON “
DEVELOPMENT OF GENERIC
DRUG PRODUCT BY QbD
APPROACH”.

10-27 th APRIL 2023
DEPARTMENT OF
PHARMACEUTICS



Bapatla College of pharmacy

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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 research 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 equipment recommended by the statutory agencies.

ADDRESS FOR COMMUNICATION

P. Sai Padma Priya

Assistant professor

Department of
pharmaceutics

Phone number:

8106723608

EmailID:priyapoli235

@gmail.com

Last date for registration
05-04-2023

Registration Link

<https://forms.gle/7GNuvtYdUikmKt5w6>

ORGANISING COMMITTEE:
PATRON: OFFICE BEARERS OF
BAPATLA EDUCATION SOCIETY

CONVENOR :
Dr. V. SAI KISHORE (HOD)
Department of pharmaceutics

ORGANISING SECRETARY:
Dr. K. Rajya lakshmi- (Associate Professor ,
(Department of Pharmaceutics)

RESOURCE PERSON:
Dr. T.E.GOPALA KRISHNA MURTHY
Principal

CO-ORDINATOR:
P. Sai Padma priya - Asst.Professor.

ORGANISING COMMITTEE:
M.sukanya,
Assistant Professor
G. Pavani Priya,
Assistant professor

STUDENT COORDINATORS:
1.P. Rama Krishna
2. B. Mounika



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Bapatla, Bapatla (Dist), Andhra Pradesh -522101

Department of Pharmaceutics:

Name of the programme: "TWO WEEK ADD ON PROGRAM ON DEVELOPMENT OF GENERIC DRUG PRODUCT BY QbD APPROACH"

Programme schedule:

Sno	Date	Topic
1.	10-04-2023	Introduction, history and ICH guidelines
2.	11-04-2023	Generic product development protocol and procedures
3.	12-04-2023	Preparation of QTPP for different Pharmaceutical dosage forms. Case study on QTPP of Paracetamol tablets, Syrup, Suspension, Injection.
4.	13-04-2023	QTPP and CQA related to immediate release and sustained release formulations. Illustration with Metformin IR and Metformin SR tablets
5.	15-04-2023	CMA and its affect on CQA. Discussion on influence of CMA related to BCS class I-IV drugs on CQA
6.	17-04-2023	Documents related to QTPP and CQA pertaining to sterile products
7.	18-04-2023	CPP and its affect on CQA. Deliberation on impact of critical process parameters related to wet granulation and its impact on critical quality attributes of immediate release dosage forms.
8.	19-04-2023	DOE and hands on experience on minitab
9.	20-04-2023	Screening design and discussion on factorial design
10.	21-04-2023	Optimisation and explanation on RSM
11.	24-04-2023	Risk assessment and Design space



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Dt.30-04-2023

Program Report

Name of the Program: "TWO WEEK ADD ON PROGRAM ON DEVELOPMENT OF GENERIC DRUG PRODUCT BY QbD APPROACH"

Date & Duration: 10-04-23 TO 27-04-23; 2 WEEKS

Resource person: Dr. T.E. Gopala Krishna Murthy
Principal & Professor
Department of pharmaceutics
Phone number: 9912342094
Email : bcp.principal@gmail.com

Program Coordinator: P. Sai Padma Priya
Assistant Professor
Department of pharmaceutics
Phone number: 8106723608
Email ID: priyapoli235@gmail.com

Number of students participated: 09

Venue: M. Pharm class room, Bapatla College of pharmacy

Bapatla college of pharmacy, Bapatla has organised an add on program on "CERTIFICATION COURSE ON DEVELOPMENT OF GENERIC DRUG PRODUCT BY QBD APPROACH" for M. Pharm students. The session was inaugurated by Dr. V. Sai Kishore HOD, Department of Pharmaceutics at 10 AM on 01-04-2023 and the need of the program was highlighted by the Coordinator P. Sai Padma Priya. Theoretical and practical

sessions were conducted during this session by the resource person Dr. T.E. Gopala Krishna Murthy.

Objectives:

- Importance of QbD implementation in Pharma Industry
- Document preparation of QTPP & CQA
- Identification of CMA & CPP
- Risk assessment

Topics to be covered:

- Preparation of QTPP document
- Identification of CQA
- Correlation of CMA, CPP with CQA
- DOE 20th
- Optimization

The outcomes of the program:

After completion of the program the students acquired knowledge on

- Preparation of QTPP for different dosage forms
- Identification of material attributes for drugs representing various BCS classes
- Critical process parameter identification
- Utilization of software related to DOE
- Optimization of composition & process

The Bapatla College of Pharmacy, BAPATLA, arranged a highly successful add-on program on CERTIFICATION COURSE ON DEVELOPMENT OF GENERIC DRUG PRODUCT BY QBD APPROACH". The valedictory function was conducted on 27th April 2023 at 4:30 PM. The participants received their certificates from the HOD and Miss P. Sai Padma Priya expressed vote of thanks.

P. Sai Padma Priya

Signature of the Program Coordinator