



BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl)

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

Date: 20-11-2021

CIRCULAR

It is to inform to all the students of Pharmacy I to IV years that a certification work on **Research Design Execution and Publication** is scheduled from 23/11/2021 to 10/12/2021. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.



Principal

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ABOUT THE PROGRAM

Name of the course: **Research Design Execution and Publication**

Duration: 23/11/2021 to 10/12/2021

Academic Year: **2021 - 22**

Modules to be covered in the course

S. No	Topic	Duration
1.	Introduction of Research, Research designs, Bias research Evidence based study Types of evidences Subjects to be used in study Modern day advancements	3hrs
2.	Systematic reviews of trials and other studies Interpreting and understanding meta-analysis graphs	3hrs
3.	Designing, conducting and reporting clinical research	3hrs
4.	Developing research question Components of research question Literature search	3hrs
5.	Scientific literature search Literature review Scientific databases	3hrs
6.	Levels of evidences	3hrs
7.	Types of analysis in research Importance accord ing to study design	3hrs
8.	Acceptance criteria Rejection criteria	3hrs
9.	Publication databases Type of search	3hrs
10.	Journal club Types of publications and the impact	3hrs


Course Coordinator




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REPORT

Name of the course: Research Design Execution and Publication

Duration: 23/11/2021 to 09/12/2021

Academic Year: 2021-22

Resource person details:

Dr. A. Shyam sundar. M.Pharm, Ph.D

Professor, Dept of Pharmacology.

Balaji Institute of Pharmaceutical Sciences.

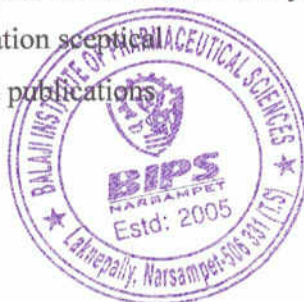
Balaji Institute of Pharmaceutical Sciences, Warangal, Telangana organized an add on program on "**Research Design Execution and Publication**" for B.Pharmacy students by Dr A. Shyam sundar from 23/11/2021 to 10/12/2021. This program was designed to orient the students to develop research designs, study modules, statistical analysis and publications. A total of 60 students participated in this training program. All the students actively participated. Upon completion of the program the students were able to understand the following objectives and learning outcomes.

Objectives:

1. Analyse, interpret and develop research designs, question and analysis
2. Assess the study design, apply and interpret outcomes of study
3. Discuss the rationale for research study design
4. Describe and analyse publication, evidence based literature
5. Types of evidence based literature
6. Developing research protocol, review and publication

Learning Outcomes:

1. Learn study and research designs, questions
2. Developing effective study designs, Research questions, literature based study
3. Design and concentrate Evidence based study
4. Assess, analyze and interpret evidence based study.
5. Develop protocol, publication scientific
6. Analyse the quality based publications



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This program was very much informative and develops research oriented approach to the students and their feedback was positive about the program. The management of Balaji Institute of Pharmaceutical Sciences thanked the resource persons for making the program successful.


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CIRCULAR

Date: 01-12-2021

It is to inform to all the students of B. Pharmacy and Pharm D first year that, a certificate program on **“Gender Sensitization”** is scheduled from **06th December to 22nd December 2021**. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.


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ABOUT THE PROGRAM

Name of the course: Gender sensitization.

Duration: 06th December to 22nd December 2021

Academic Year : 2021- 22

Curriculum Designed and developed by

S.No	Name of the Faculty	Designation	Signature
1.	Dr. N. Hema	ASSO. Prof	
2.	Dr. K. Prasadh	ASSO. Prof	

Modules to be covered in the course:

Session	Topic	Duration
1.	• UNDERSTANDING GENDER: • Gender definition, differentiation, importance. • Gender equality • Reasons for Gender discrimination in society	2hrs 2hrs
2	• Socialization: • Introduction • Making Women & Men • Preparing for Womanhood, Growing up Male, Different Masculinities	2hrs 2hrs
3.	• GENDER AND BIOLOGY • Missing Women: • Sex Selection and Its Consequences, • Declining Sex Ratio, • Demographic Consequences.	3 hrs



4	• Gender Spectrum: Beyond the Binary. Two or Many Struggles with Discrimination.	3hrs
5	• GENDER AND LABOUR • Gender equality in daily work load in society	3hrs
6	• Worth of Women's Work in Politics and Economics. • Fact and Fiction. • Unrecognized and Unaccounted work. • Additional Reading: Wages and Conditions of Work.	2hrs 2hrs
7	• ISSUES OF VIOLENCE • Sexual Harassment or sexual violence • Eve-teasing • Domestic Violence: • Safety precautions	1hr 1hr 1hr 1hr
8	• Women importance in rebuilding lives • New Forums for Justice • Additional suggestions.	1hr 1hr 1hr
9	• GENDER: CO – EXISTENCE • Relationship between genders • Gender equality • Relationship between parents and childrens, • Love letters. • Additional Reading: Rosa Parks-The Brave Heart.	2hrs


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REPORT

Name of the course : **Gender sensitization.**

Duration : **06th December to 22nd December 2021**

Academic Year : **2021 - 22**

Resource Person details:

Dr. N. Hema, MBA.,

Associate Professor,

Balaji Institute of Management Sciences (BIMS)

Balaji Institute of Pharmaceutical Sciences, Warangal, organized Awareness programme on “**Gender sensitization**” for B. Pharmacy and Pharm. D 1st year students by **Dr. N. Hema** from **06th December to 22nd December 2021**. This program was designed to develop knowledge on importance of Gender equality. Totally 122 students are participated in this training program. All the students are actively participated. Upon completion of program the students were able to understand the following objectives and learning outcomes.

Objectives:

- Understand the gender and gender relations.
- To understand the different obstacles to making a gender sensitive organization.
- Understand the relation between women and men in society.
- To give awareness on sexual harassment.
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Learning Outcomes:

- Know the importance between genders in the society.
- To know how to improve mental and physical health of women to overcome the problems in the society.
- Know the preventive steps and disciplinary actions against sexual harassment in the society.

[Signature]
Course Coordinator



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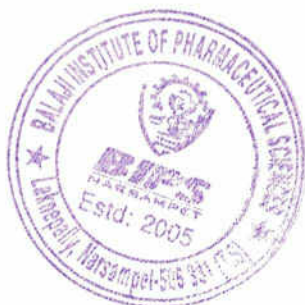
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CIRCULAR

Date: 20-12-2021

It is to inform to all the students of B. Pharmacy and Pharm D first year that, a certificate program on **“Human Values”** is scheduled from **23rd December 2021 to 11th January 2022**. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.




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ABOUT THE PROGRAM

Name of the course: Awareness program conducted on "Human Values".

Duration : 23rd December 2021 to 11th January 2022

Academic Year : 2021 - 2022

Curriculum Designed and developed by

S.No	Name of the Faculty	Designation	Signature
1.	Dr. N. Hema	ASSO. Prof	
2.	Dr. K. Prasad	ASSO. prof	

Modules to be covered in the course:

Session	Topic	Duration
1.	• Basic Guidelines, Content and Process for Value Education: • Understanding the need, basic guidelines, content and process for Value Education. • Basic Human Aspirations • Relationship and Physical Facilities - the basic requirements for fulfillment of aspirations of every human being. • Method to fulfill the human aspirations.	2hrs 2hrs 2hrs 2hrs
2.	• Understanding Harmony in the Human Being - : Understanding human being as a co-existence of the sentient 'I' and the material 'Body'. • Understanding the needs of Self ('I') and 'Body' - Sukh and Suvidha. • Understanding the Body as an instrument of 'I' (I being the doer, seer and enjoyer). • Understanding the harmony of I with the Body: Sanyam and Swasthya; correct appraisal of Physical	2hrs 1hr 1hr 1hr




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	needs, meaning of Prosperity in detail. • Programs to ensure Sanyam and Swasthya.	1hr
3.	• Understanding Harmony in the Family and Society - Harmony in Human - Human Relationship: • Understanding harmony in the Family the basic unit of human interaction. • Understanding values in human - human relationship. • Understanding the meaning of Vishwas; Difference between intention and competence. • Understanding the harmony in the society (society being an extension of family): Samadhan, Samridhi, Abhay, Sah-astiva as comprehensive Human Goals.	1 hr 1hr 1hr 1hr 2hrs
4.	• Understanding Harmony in the nature and Existence - Whole existence as Co-existence: • Interconnectedness and mutual fulfillment among the four orders of nature - recyclability and self-regulation in nature. • Understanding Existence as Co-existence (Sah-astiva) of mutually interacting units in all-pervasive space.	1hr 2hrs 1hr
5.	• Implications of the above Holistic Understanding of Harmony on Professional Ethics: • Natural acceptance of human values, • Definitiveness of Ethical Human Conduct, • Basic for Humanistic Education, • Humanistic Constitution and Humanistic Universal Order. Competence in professional ethics: • Case studies of typical holistic technologies, management models and production systems. • Strategy for transition from the present state to Universal Human order.	1hr 1hr 1hr 2hrs 1hr 2hrs


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Date – 11/01/2022

REPORT

Name of the Course : “Human Values”.

Duration : 23rd December 2021 to 11th January 2022

Academic Year : 2021 – 2022

Resource Person details :

Dr . N. Hema ,

Associate Professor,

Balaji Institute of Management Sciences

Balaji Institute of Pharmaceutical Sciences, Warangal, organized Awareness programme on “Human Values”, for B. Pharmacy and Pharm. D 1st year students by Dr . N. Hema from 23rd December 2021 to 11th January 2022. This program was designed to develop knowledge on importance of values of Human beings. Totally 122 students are participated in this training program. All the students are actively participated. Upon completion of program the students were able to understand the following objectives and learning outcomes.

• Objectives:

- Understanding the need, basic guidelines, content and process for Value Education.
- Understanding the human aspirations in the family and society.
- Understanding the harmony parameters of I with the Body (Sanyam and Swasthya).
- Understanding the basic knowledge for Humanistic Education.

• Outcomes :

- To know the knowledge on human values in between human & human relations and family & society relationships.
- To know the knowledge on Ethical Human Conduct.
- To know the knowledge on the harmony in the society (society being an extension of family).


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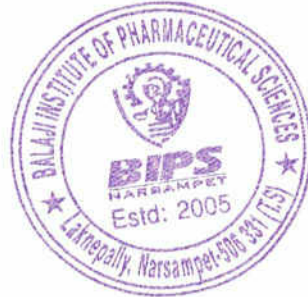
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Date: 20-12-2021

CIRCULAR

It is to inform to all the students of Pharmacy I to IV years that a certification work on **“IPR, Patent drafting, filling and Processing”** is scheduled from **24/12/2021 to 12/01/2022**. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.

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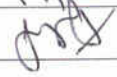
ABOUT THE PROGRAM

Name of the course: **IPR, Patent drafting, filling and Processing**

Duration: 30 hours

Academic Year: 2021 - 22

Curriculum Designed and developed by

S.No	Name of the facul	Designation	Signature
1	T. Manish Kumar	Professor	
2	J. Nagaraju	Associate professor	

Modules to be covered in the course

S. No	Topic	Duration
1	Overview of Intellectual Property Rights	5 hrs
2	Patents	5hrs
3	Copyright	5 hrs
4	Trademarks	5 hrs
5	Other forms of IP	5 hrs
6	Geographical indication	5 hrs


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REPORT

Name of the course: **IPR, Patent drafting, filling and Processing**

Duration: **24/12/2021 to 12/01/2022**

Academic Year: **2021 - 22**

Resource person details:

Dr T. Manish kumar, M.Pharm, Ph.D

Professor, Dept of Pharmaceutical Analysis.

Balaji Institute of Pharmaceutical Sciences.

IPR, Patent drafting, filling and Processing is a course offered in B. Pharmacy and M. Pharm Program at Balaji Institute of Pharmaceutical Sciences, Narsampet. This course is designed to impart knowledge of Intellectual property rights and patent procedures. The future prospects of this course are useful in academics, pharmaceutical industry, and research institution and in regulatory bodies. Accordingly, a graduate and post-graduate student should be competent to meet the job requirements at all these places.

Objectives:

1. To introduce fundamental aspects of Intellectual property Rights to students who are going to play a major role in development and management of innovative projects in industries.
2. To disseminate knowledge on patents, patent regime in India and abroad and registration aspects
3. To disseminate knowledge on copyrights and its related rights and registration aspects
4. To disseminate knowledge on trademarks and registration aspects

Learning Outcomes:

1. Appreciate the knowledge of Intellectual property and copyright
2. Develop and design new projects with innovative research ideas
3. Guide others on IPR and Patents


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Date: **22-01-2022**

CIRCULAR

It is to inform to all the students of Pharmacy I to IV years that a certification work on “**Outcome based education**” is scheduled from **27/01/22 to 12/02/22**. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.




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Name of the course: **Outcome based education**

Duration: **27/01/22 to 12/02/22**

Academic Year: 2021 - 22

Modules to be covered in the course.

S. No	Topic	Duration
1	Need for outcome based education, Understanding graduate attributes competencies and performance indicators.	3 hrs
2	Introduction to Pharmacy, Fundamentals of organic chemistry, microbiology, biotechnology, Dosage form science.	3 hrs
3	Drug development and its stages- clinical trials.	3 hrs
4	Patient counseling, Basic compounding and dispensing techniques.	3 hrs
5	Methods of drug administration, Calculation of doses based on the age, Patient counseling.	3 hrs
6	Checking of blood pressure, blood grouping, and glucose levels in blood.	3 hrs
7	Pharmaceutical research methods and techniques.	3 hrs
8	Blood analysis and urine analysis techniques.	3 hrs
9	Use of software in blood and urine analysis.	3 hrs
10	Current scenario of industries for development of dosage forms and Pharmacy clerkship.	3 hrs


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Name of the course: Outcome Based Education

Duration: 27/01/22 to 12/02/22

Academic Year: 2021 – 22

Resource person details:

Dr P. Ravi, M.Pharm, Ph.D

Professor, Dept of Pharmaceutics,

Balaji Institute of Pharmaceutical Sciences.

Balaji Institute of Pharmaceutical Sciences, Hyderabad organized an add on program on **Outcome Based Education** for B. Pharmacy & Pharm. D students by Dr P. Ravi from **27/01/22 to 12/02/22**. This program was designed to focus on what the school provides to students and making the students to demonstrate that they know and are able to do whatever the required outcomes. Total 60 students are participated in this training program. All the students are actively participated. Upon completion of program the students were able to understand the following objectives and learning outcomes.

Objectives:

- To assess student learning levels.
- Understand the various techniques for analysis of samples.
- To know the various approaches for development of dosage forms.
- To ensure global competitiveness.
- Guidance for articulating the essential learning's associated with programs of study.

Learning Outcomes:

Understand the importance of pharmacy education.

Understand the equipments used in industries for development of dosage forms.

Know various techniques used for analysis of samples.

This program was very much informative to students and their feedback was positive about the program.


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Date: 28-02-2022

CIRCULAR

It is to inform to all the students of Pharmacy I to IV years and Pharm D that a certification work on “**Pharmacokinetic calculation**” is scheduled from 01/03/2022 to 17/03/2022. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.




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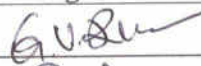
ABOUT THE PROGRAM

Name of the course: Pharmacokinetic calculation.

Duration: 01/03/2022 to 17/03/2022

Academic Year: 2021 - 22

Curriculum Designed and developed by

S.No	Name of the faculty	Designation	Signature
1	Mr. G. Venkataramana	Associate professor	
2	Mrs. G. Priyanka	Assistant professor	

Modules to be covered in the course

S. No	Topic	Duration
1	Describe the concepts important for understanding and predicting the relationship between the physicochemical properties of the drug, the drug's fate in the body after its administration as a dosage form and the resulting onset, duration, and intensity of drug action.	3 hrs
2	Effects of fundamental physicochemical properties on the biopharmaceutical behavior of drugs and dosage forms in the body Drug Absorption: Gastrointestinal, percutaneous, and rectal kinetics and factors affecting drug absorption. Absorption kinetics- absorption rate constant determination	2 hrs
3	Elimination of drugs: Concept of renal clearance and excretion of drugs - biological half- life, area under curve.	2 hrs
4	Bioavailability of drug products: Bioavailability tests. Bioequivalence. Compartment models and relevant pharmacokinetic parameters.	2 hrs
5	Graphing PK Data on Semi-log Graph Paper Writing Differential Equations, Calculating AUC (Area under the Curve) using the Trapezoidal Rule.	3 hrs
6	Pharmacokinetic Introduction: An Introduction to Pharmacokinetics, Complex Interactions Drug Transport, One, Two and Three Compartment Models.	3 hrs
7	IV Bolus Dose - One Compartment Absorption and Elimination, IV Bolus Two Compartment Model, Two Compartment Model Drug Effect versus Time, Drug Product Performance Parameters.	3 hrs
8	A(absorption) D(distribution), M(metabolism) E(excretion), Routes of Drug Administration, Tablet Dissolution, Absorption versus Particle Size, Absorption of Different Salt Forms, Drug Effect and Absorption	3 hrs
9	Effect of Absorption Rate Constant, Distribution, ADME, Drug	3 hrs




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	Elimination, Elimination and Multiple Dose, Dosing Kanamycin, Renal Disease and Drug Elimination	
10	Absorption and First-Pass Effect Aspirin Elimination, Multiphasic Drug Elimination, Tissue Concentration versus Time, Distribution Individualized Dosage Regimen.	3 hrs
11	Pharmacokinetic calculations- usage of software for mechanism of drug release with invitro and in vivo data.	3 hrs


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REPORT

Name of the course: Pharmacokinetic Calculations.

Duration: 01/03/2022 to 17/03/2022

Academic Year: 2021- 22

Resource person details:

G. Venkataramana, M.Pharm,

Associate Professor, Dept of Pharmaceutics.

Balaji Institute of Pharmaceutical Sciences.

Balaji Institute of Pharmaceutical Sciences, Warangal organized an add on program on **Pharmacokinetic Calculations** for Pharmacy students of Pharmaceutics department by G. Venkataramana from 01/03/2022 to 17/03/2022. This program was designed to develop knowledge on pharmaceutical dosage forms and optimization techniques. Totally 60 students are participated in this training program. All the students are actively participated. Upon completion of program the students were able to understand the following objectives and learning outcomes.

Objectives:

- Understand the pharmacokinetics of medicine in the body.
- Illuminates the interrelationship among preparation, biology and drug treatment.
- Summarize the complexities involved in the general application of pharmacokinetic principles to special populations.
- Outline the basic principles of non-linear kinetics.
- Determine the kinetic parameters using software.

Learning Outcomes:

- Define the common pharmacokinetic terms and explain their applications.
- Discuss the major processes and factors involved in drug absorption, distribution, metabolism and elimination.
- State the concept of bioavailability, bioequivalence and calculate these two pharmacokinetic parameters.
- Apply the relationship between volume of distribution, clearance and elimination half life.

This program was very much informative to students and their feedback was positive about the program.

Course Coordinator



Principal

PRINCIPAL

Balaji Institute of Pharmaceutical Sciences
Laknepally (V), Narsampet (M)
Warangal (Dt) - 506 331 (T.S.)



BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by AICTE & PCI, Under Section 12, New Delhi and Affiliated to kakathiya University, Wgl)

Laknepally (V) Narsampet (M) Warangal Rural (Dist) Telangana State 506331

Contact : +91 9866050044 (Office), +91 9866652412 (Principal), +91 8718-230521 (Fax)

Date: 02-04-2022

CIRCULAR

It is to inform to all the students of Pharmacy I to IV years that a certification work on “IR Spectroscopy and Data Interpretation” is scheduled from 11/04/22 to 27/04/22. In this regard all the students are informed to attend the session without fail. A certificate will be given to all the students who complete the course.



Principal

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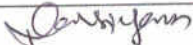
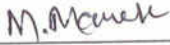
DETAILED SESSION PLAN

Name of the course: IR Spectroscopy and Data Interpretation

Duration: From 11/04/22 to 27/04/22

Academic Year: 2021-22.

Curriculum Designed and developed by

S. No	Name of the Faculty	Designation	Signature
1	Mr. M. Narsingham	Assoc.Professor	
2	Mrs M. Manasa	Assistant Professor	

Modules to be covered in the course

Session	Topic	Duration
1	Introduction	1 Hr
2	The Origins of the Infrared Spectrum	1 Hr
3	Spectral Interpretation by Application of Vibrational Group Frequencies	2 Hr
4	The Hydrocarbon Species and Molecular Backbone	2 Hr
5	Simple Functional Groups	2 Hr
6	The Carbonyl Group	2 Hr
7	Other Functional Groups Associated with Heteroatoms	2 Hr
8	Simple Inorganics	2 Hr
9	The Practical Situation - Obtaining the Spectrum and Interpreting the Results	2 Hr
10	Sample History	2 Hr
11	Physical Characteristics of the Sample	2 Hr
12	The Chemistry of the Sample	2 Hr
13	The Infrared Sampling Method	2 Hr





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14	An Overview to Infrared Spectral Interpretation	2 Hr
15	Some Simple Rules and Guidelines -A Quick Diagnostic Assessment of an Infrared Spectrum	3 Hr
Total Duration (in Hrs)		30 Hrs


Course Coordinator


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REPORT

Date: 28-04-2022

Name of the course: IR Spectroscopy and Data Interpretation	Academic Year: 2021-22
Duration of Course: From 11/04/22 to 27/04/22	Duration in Hrs: 30 Hrs

Resource person details:

Mr. M. Narsingham, M.Pharm.

Associate Professor, Dept. of Pharm. Analysis

Balaji Institute of Pharmaceutical Sciences.

Number of students attended: **60**

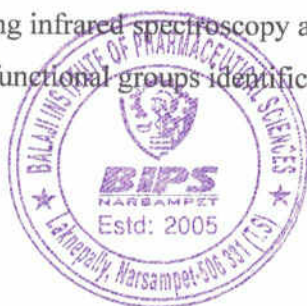
Balaji Institute of Pharmaceutical Sciences, organized a certificate programme on **IR Spectroscopy and Data Interpretation (IR)** for I & II Year M. Pharmacy students by the resource person **Mr. M. Narsingham** from **11/04/22 to 27/04/22**. The comprehensive training ensures that the students can acquire the knowledge of IR Spectroscopy and Data Interpretation process. This Knowledge will help the students to get recruit in Quality Control / Quality Assurance departments of Pharmaceutical Industries. The students participated passionately throughout the program and were able to understand the following objectives and learning outcomes.

Objectives:

- To understand the development of analytical methods by using Spectroscopic Methods
- To understand the importance of structural elucidation studies.
- To learn about the system suitability parameters and their significance.
- To become aware of method of interpretation of Analytical Spectrums.

Learning outcomes:

- Logical view on how to develop Spectroscopic methods.
- Key factors affecting infrared spectroscopy and functional group analysis.
- Knowledge about functional groups identification and spectra interpretation




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Totally 60 students participated in this training. All the students enthusiastically participated in the program. The program was very much valuable to them and their feedback was encouraging about the program.


Course Coordinator


Principal



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