

( Apporved by AICTE & PCI, Under Section 12, New Delhi and Affliated 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: 09-09-2019

# CIRCULAR

All the students of B. Pharmacy I to IV years and Pharm D students are here by informed that an add on course on Scientific approach to Formulation development and Evaluation methods. is scheduled from 16-09-19 to 03-10-19. All the students are instructed to get enrolled and attend all the classes without fail.

Principal



Laknepally (V), Narsampet (M)



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ABOUT THE PROGRAM

Name of the course: Scientific approach to Formulation development and Evaluation

methods.

Duration: 16-09-19 to 03-10-19

Academic Year: 2019-20

Curriculum Designed and developed by

Faculty	Designation	Signature
halapathi	Professor	- gi
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		O'A
	Dhalapathi anka arshi.	Ohalapathi Professor ranka Assistant Professor

# Modules to be covered in the course

Session	Topic	Duration
1.	Preformulation studies: Goals of preformulation, preformulation parameters, methodology, solid state manipulation and characterization, solubility and partition coefficient, drug-excipient compatibility, intrinsic dissolution	3 Hr
2.	Advances in Pharmaceutical excipients. Excipients selection for capsules, tablets, suspensions and emulsions	3 Hr
3.	Packaging development - selection of primary and secondary packaging materials and testing.	3 Hr
4.	Advances in materials, material handling, granulation equipments and granulation technologies; process automation. Processing problems in tablet Quality Control of tablets: apparatus, methods, graphical presentations, official and unofficial tests.	3 Hr
5.	Materials used for packaging of pharmaceutical products, Factors influencing choice of containers Legal and official requirements, Stability aspects: Quality control tests of packaging materials	3 Hr
6.	Formulation development of soft and hard gelatin capsules :	3 Hr

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	Introduction, Manufacturing methods, filling equipment and filling operations, formulations, finishing, special techniques	
7.	The nature of the capsule shell and capsule, advances in capsule manufacture, processing and control including pharmaceutical aspects, physical stability and packaging	3 Hr
8.	Formula and process optimization statistical design-response surface method, contour diagrams, factorial design, partial factorial design, simplex methods, mixture designs.	3 Hr
9.	Placket Burhan method, Box Benken method and applications in pharmaceutical formulations.	3 Hr
10.	pharmaceutical formulations.	

Course Coordinator





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# REPORT

Name of the course: Scientific approach to Formulation development and Evaluation methods.

Duration: 16-09-19 to 03-10-19

Academic Year: 2019-20

Resource Person details:

Dr.G. Dhalapathi, M.Pharm, Ph.D

Professor, Dept.of Pharmaceutics.

Balaji Institute of Pharmaceutical Sciences

Balaji Institute of Pharmaceutical Sciences, Warangal, organized an add on program on Scientific approach to Formulation development and Evaluation methods for M. Pharmacy students of Pharmaceutics department by Mr. Dr. G. Dhalapathi from 18-09-20 to 06-10-23. 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 criteria for selection of drugs and polymers for development of dosage forms, their formulation and evaluation.
- To know the various approaches for development of dosage forms.
- Understand the new technologies used in industries for development of dosage forms.
- · Understand the importance of packaging materials.
- To know the stability aspects of packaging materials and dosage forms

### Learning Outcomes:

• Know the formulation additives of dosage forms.

Formulation of dosage forms and quality control tests.

Know the optimization techniques.

· Know various techniques used in pharmaceutical industries.

This program was very much informative to students and their feedback was positive about the program. The management and Principal of Balaji Institute of Pharmaceutical Sciences thanked to resource person and participants for making program successful.

Course Coordinator

Principal



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Date: 09-10-2019

Principal

### CIRCULAR

All the students of B. Pharmacy IV years are here by informed that an add on course on "Scientific approach to analytical methods development and Validation activities" is scheduled from 14-10-2019 to 30-10-2019. All the students are instructed to get enrolled and attend all the classes without fail.

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Balaji Institute of Pharmaceutical Sciences Laknepally (V), Narsampet (M)

Warangal (Dt) - 506 331 (T.S)



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### DETAILED SESSION PLAN

Name of the course: Scientific approach to analytical methods development and

Validation activities.

Duration: From 14-10-2019 to 30-10-2019. -

Academic Year: 2019-20

#### Curriculum Designed and developed by

S. No	Name of the Faculty	Designation	Signature
1	B. Khaggeshwar	Associate Professor	B. Khaygerhwar
2.	B. Mohan	Assistant Professor	When

#### Modules to be covered in the course

Session	TITLE	Duration
1.	ICH Guidelines:	2 Hr
	Overview of ICH Guidelines	
	Stability Guidelines	
	GMP Guidelines for Pharmaceuticals	
	Nitrosamine Impurities Guidelines	
2.	System Suitability Parameters For Hplc Method Development	2 Hr
	System Suitability Test	
	Resolution	
	Retention time.	
	• Pressure.	
	Column efficiency and Plate Number.	
	Repeatability.	
	Tailing factor.	
PHARMACE	Signal-to-noise ratio.	

3.	Analytical Method Validation Parameters	2 Hr
	Specificity	
	• Linearity	
	Quantization limit	
	Detection limit	
	• Range	
	Accuracy and Precision	
	Repeatability	
	Intermediate Precision	
	Reproducibility	
	Robustness	
	System Suitability Testing	
4.	Trouble Shooting Of Hplc	2 Hr
	Peak Shape	
	Retention Variation	
	Ghost Peaks	
	Column Back Pressure	
	Column Care	
5.	Impurity Profiling	2 Hr
	Introduction	
	Classification of impurities in API	
	Impurities present in formulation	
	Identification of impurities	: ::
6.	Stability Indicating Methods	3 Hr
	Introduction	
	Role Of QA In SIM	
	General Principle	
	Photo stability Testing of New Drug Substances	
	And Products Qlb	
PHARMACE	Guidance On Stability Testing: Stability Testing Of New Drug	
J. 1000	@ [c	

		Substances And Products	
		(1890) 46 (1890) 45 (1890) 47 (1890) 48 (1890)	
		Development Of A SIM  Plant and illine Starting	
	l	Photo stability Studies	
		• Introduction And Importance Of Stability-Indicating	
		Analytical Method Development	
		Techniques Engaged In Literature Data For The Development	
		Of SLAMS '	
		Steps Involved During The Development Of	
		Stability-Indicating Analytical Methods (SLAMS)	
		Forced Degradation Studies /Stress Testing Studies	
		Analytical Method Validation Process	
	7.	Bio analytical Method Development And Validation	3 Hr
		Sample Preparation	
		Extraction Techniques	
		Analytical Method Procedures	
		Validation	
	8.	Cleaning And Process Validation	3 Hr
		Introduction	
		Back Ground	
		General Requirements	
		Evaluation of Cleaning Validation	
		Establishments of Limits	
	9.	Assay Testing Of Pharmaceutical Substances	3 Hr
		Introduction	
		Guidelines of Specification	
		General Concepts	
	10.	Stability Testing Of Residual Solvents	2 Hr
		Introduction	
		• Types of Solvents	
7 1/2	100	Testing of Solvents	
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12.	RP-HPLC Method Development And Validation Of lamivudine In Pharmaceutical Dosage Forms	3 Hr
13.	Determination Of Gemcitabine in Bulk and Dosage Form	3 Hr
Total D	uration (in Hrs)	30 Hrs

Course Coordinator

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#### REPORT

Date: 31-10-2019

Name of the course: Scientific approach to analytical	Academic Year: 2020-21
methods development and validation activities	
Duration of Course: From 14-10-2019 to 30-10-2019	Duration in Hrs: 30 Hrs

### Resource person details:

Mr B. Khaggeshwar, M.S, Pharmaceutics

Associate Professor,

Balaji Institute of Pharmaceutical Sciences.

Number of students attended: 60

Balaji Institute of Pharmaceutical Sciences organized a certificate programme on Scientific Approach to Analytical Method Development and Validation Activities for B. Pharmacy students by Mr B. Khaggeshwar Department of Pharmaceutics from 10-08-2020 to 28-08-2020.

#### Objectives:

- > To understand the development of analytical methods by using chromatographic Method
- To learn about the system suitability parameters and their significance.
- > To become aware of analytical method validation parameters, ICH and FDA guidelines for method validation

#### Learning outcomes:

- Logical view on how to develop analytical methods.
- > Key factors affecting method development and how to optimize the method.

Knowledge about performing and reporting of method validation parameters and out of trend results

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

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Date: 16-11-2019

# **CIRCULAR**

All the students of B. Pharmacy IV years are here by informed that an add on course on "Clinical Data Management" is scheduled from 20-11-2019 to 06-12-2019. All the students are instructed to get enrolled and attend all the classes without fail.

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ABOUT THE PROGRAM

Name of the course: Clinical Data Management

Duration: 20-11-2019 to 06-12-2019

Academic Year: 2020 - 21

# Curriculum Designed and Developed by

S.No	Name of the faculty	Designation	Signature
1.	Dr. A. Nagesh	Associate Professor	profess
2.	Mr. P. Aravind	Assistant Professor	P Browned

#### Modules to be covered in the course

S. No	Topic	Duration
1.	Introduction Clinical Data Management ,Data and Databases	3hrs
2.	Data Entry , Transcribing Data, CRF Data Tracking	3hrs
3.	Cleaning Data, Discrepancies Management, Data Management Plan.	3hrs
4.	CRF Review and source documents, Electronic data Capture.	3hrs
5.	Data Transfer, Audit trail, QA & CDM 3h	
6.	Collection of Advance Events Data, Medical Coding	3hrs
7.	Data Acquisition and Data Closure	3hrs
8.	Study step , Managing Laboratory Data	3hrs
9.	Creating Reports, Design Consideration	3hrs
10.	Transcribing Data.	3hrs

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REPORT

Name of the course: Clinical Data Management.

Duration: From 20-11-2019 to 06-12-2019

Academic Year: 2019 - 20

Resource person details:

Dr. A. Nagesh, Pharm.D

Associate Professor.

Balaji Institute of Pharmaceutical Sciences.

Balaji Institute of Pharmaceutical Sciences, Narsampet, Telangana organized an add on program on "Clinical Data Management" for Pharm D Students by Dr. A. Nagesh from 18-09-2020 to 06-10-2020. This program was designed as a critical process in clinical research, which leads to generation of high-quality, reliable, and statistically sound data from clinical trials. 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.

#### Objective:

- 1. To support the statistical analysis and its interpretation
- 2. To introduce the informatics process and data quality
- 3. To Describe data management processes
- 4. To Describe the role of data management in clinical research

#### Learning Outcomes:

- Provides a global, controlled, standardized data repository
- Ensures compliance
- > Accelerates clinical trial, submission, and drug launch turn-around time

This program was very much informative 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.

Course Coordinator

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Vivarengel (Dt) - 508 981 (T.S)

# BALAJI INSTITUTE OF PHARMACEUTICAL SCIENCES ( Apporved by AICTE & PCI, Under Section 12, New Delhi and Affliated to kakathiya University, Wgl )

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#### CIRCULAR

Date: 02-12-2019

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 05th December to 21nd December 2019. 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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Laknepally (V), Narsampet (M) Warangal (Dt) - 506 331 (T.S)



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Name of the course: Gender sensitization.

Duration: 05th December to 21nd December 2019

Academic Year: 2019 - 20

Curriculum Designed and developed by

S.No	Name of the Faculty	Designation	Signature
1.	Dr. G. Naresh	ASSO. Pro-1	Naw
2.	Dr. N. Sampath	ASSO. Prot	N. Sampit

# Modules to be covered in the course:

Session	Topic	Duration
1.	<ul> <li>UNDERSTANDING GENDER:</li> <li>Gender definition, differentiation, importance.</li> <li>Gender equality</li> </ul>	2hrs
	• Reasons for Gender discrimination in society	2hrs
2	<ul> <li>Socialization:</li> <li>Introduction</li> <li>Making Women &amp; Men</li> </ul>	2hrs
	Preparing for Womanhood, Growing up Male,     Different Masculinities	2hrs
3.	<ul> <li>GENDER AND BIOLOGY</li> <li>Missing Women:</li> <li>Sex Selection and Its Consequences,</li> <li>Declining Sex Ratio,</li> <li>Demographic Consequences.</li> </ul>	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	<ul> <li>Worth of Women's Work in Politics and Economics.</li> <li>Fact and Fiction.</li> </ul>	2hrs 2hrs
	<ul> <li>Unrecognized and Unaccounted work.</li> <li>Additional Reading: Wages and Conditions of Work.</li> </ul>	
7	<ul> <li>ISSUES OF VIOLENCE</li> <li>Sexual Harassment or sexual violence</li> <li>Eve-teasing</li> <li>Domestic Violence:</li> <li>Safety precautions</li> </ul>	1hr 1hr 1hr 1hr
8	<ul> <li>Women importance in rebuilding lives</li> <li>New Forums for Justice</li> <li>Additional suggestions.</li> </ul>	1hr 1hr 1hr
9	<ul> <li>GENDER: CO – EXISTENCE</li> <li>Relationship between genders</li> <li>Gender equality</li> <li>Relationship between parents and childrens,</li> <li>Love letters.</li> <li>Additional Reading: Rosa Parks-The Brave Heart.</li> </ul>	2hrs

Course coordinator

Principal

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# REPORT

Name of the course: Gender sensitization.

Duration

: 05th December to 21nd December 2019.

Academic Year

: 2019 - 20 .

Resource Person details:

Dr. N. Sampath,

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 1<sup>st</sup> year students by Dr. N. Sampath from 05<sup>th</sup> December to 21<sup>nd</sup> December 2019. This program was designed to develop knowledge on importance of Gender equality. Totally 113 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.

# 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.

This program was very much informative to students and their feedback was positive about the program. The management and Principal of Balaji Institute of Pharmaceutical Sciences thanked to resource person and participants for making program successful.

Course Coordinator

Principal

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

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#### CIRCULAR

Date: 18-12-2019

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 2019 to 09th January 2020. 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.

Balaji Institute of Pharmaceutical Sciences Balaji Institute of Pharmaceutical Sciences Laknepally (V), Narsampet (14) rangal (Dt) - 506 32 1 .

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

Duration

: 23<sup>rd</sup> December 2019 to 09<sup>th</sup> January 2020

Academic Year

: 2019 - 2020

Curriculum Designed and developed by



S.No	Name of the Faculty	Designation	Signature
1.	Dr. G. Naresh	Asso. Prof	March
2.	Dr. N. Sampath	-A850. prof	N. Janpet

#### Modules to be covered in the course:

Session	Topic	Duration
1.	• Basic Guidelines, Content and Process for Value Education:	2hrs
	Understanding the need, basic guidelines, content and process for Value Education.	2hrs
	Basic Human Aspirations	-
	Relationship and Physical Facilities - the basic	2hrs
	requirements for fulfillment of aspirations of every	1
	human being.	2hrs
	Method to fulfill the human aspirations.	
2.	• Understanding Harmony in the Human Being :	2hrs
	Understanding human being as a co-existence of the sentient 'I' and the material 'Body'.	
	<ul> <li>Understanding the needs of Self ('I') and 'Body' - Sukh and Suvidha.</li> </ul>	1hr
	Understanding the Body as an instrument of 'I' ( I	هل

	being the doer, seer and enjoyer).	1he
	being the doer, seer and enjoyer).	1hr
	• Understanding the harmony of I with the Body:	
	Sanyam and Swasthya; correct appraisal of Physical	
	needs, meaning of Prosperity in detail.	
	Programs to ensure Sanyam and Swasthya.	1hr
	110grams to ensure Sanyam and Swastnya.	1hr
3.	Understanding Harmony in the Family and Society -	1 hr
	Harmony in Human - Human Relationship:	
	Understanding harmony in the Family the basic unit	1hr
	of human interaction.	
	<ul> <li>Understanding values in human - human relationship.</li> </ul>	1hr
	• Understanding the meaning of Vishwas; Difference	1hr
	between intention and competence.	
	Understanding the harmony in the society ( society	
	being an extension of family): Samadhan, Samridhi,	2hrs
	Abhay, Sah-astiva as comprehensive Human Goals.	
4.	Understanding Harmony in the nature and Existence	1hr
	- Whole existence as Co-existence:	
	<ul> <li>Interconnectedness and mutual fulfillment among the</li> </ul>	2hrs
	four orders of nature - recyclability and self-	
	regulation in nature.	
	• Understanding Existence as Co-existence (Sah-astiva)	1hr
	of mutually interacting units in all-pervasive space.	
5.	• Implications of the above Holistic Understanding of	1hr
	Harmony on Professional Ethics:	
	<ul> <li>Natural acceptance of human values,</li> </ul>	1hr
	Definitiveness of Ethical Human Conduct,	
	Basic for Humanistic Education,	1hr
	Humanistic Constitution and Humanistic Universal	
	Order. Competence in professional ethics:	2hrs
	<ul> <li>Case studies of typical holistic technologies,</li> </ul>	
	management models and production systems.	1hr
	DB INC.	ملق

Estd: 2005

Strategy for transition from the present state to Universal Human order.

2hrs

Course coordinator

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Date: 16-12-2019

# CIRCULAR

All the students of B. Pharmacy and Pharm D students are here by informed that an add on course on "Workshop on Medicinal Plants and Crude Drugs" is scheduled from 23-12-2019 to 09-01-2020. All the students are instructed to get enrolled and attend all the classes without fail.

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ABOUT THE PROGRAM

Name of the course: Workshop on Medicinal Plants and Crude Drugs

Duration: 23-12-2019 to 09-01-2020

Academic Year: 2020 - 21

# Curriculum Designed and Developed by

S.No	Name of the faculty	Designation	Signature
1.	Mrs. M. Swapna	Assistant Professor	Evapria.

# Modules to be covered in the course

S. No.	Topie	Duration
1.	Current Global Trends and Market for Ayurvedic Medicine / Herbals Need for Quality Control and Standardization.	3hrs
2.	Morphological and Microscopically methods, Organoleptic methods for the analysis of herbal drugs, Substitution and Adulteration of Herbal Drugs / raw material	3hrs
3.	Physical and Chemical methods of analysis of herbal/ayurvedic drugs	3hrs
4.	Spectral/Chromatographic analysis of herbal drugs (TLC/UV Spectrophotometry/ HPLC/Polarimetry etc)	3hrs
5.	Different forms of Herbal drugs: Fresh Drug, Dried Crude drug, Powdered crude drug, Extract, Standardized extract, Phytoconstituents.	3hrs
6.	Different dosage forms of herbal drugs Chuma, Kadha, Vati, Tablet, Capsules, Syrup, Pills, Eyedrops, Rose water, Asava, Aristha. Tailas, A veleha, Pisthi, Generic and Patent & proprietary formulations.	3hrs

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7.	Demonstration cum practical of Organoleptic, morphological and microscopical analysis of herbal raw material	3hrs
8.	Physical methods of evaluation like ash value, extractive values, moisture determination, Swelling index, refractive index, pH, etc.	3hrs
9.	Chemical tests for Anthraquinones, Flavanoids, Carbohydrates, Proteins, steroids, Alkaloids, Coumarins, etc.	3hrs
10.	Demonstration and practical's of TLC, Column chromatography, HPLC, etc.	3hrs

Course Coordinator

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Principal

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( Apporved by AICTE & PCI, Under Section 12, New Delhi and Affliated 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 - 10/01/2020

#### REPORT

Name of the Course: "Human Values".

Duration

: 23rd December 2019 to 09th January 2020

Academic Year

: 2019 - 20

Resource Person details:

Dr.G. Naresh,

Associate Professor,

Balaji Institute of Technological Sciences

Balaji Institute of Pharmaceutical Sciences, Warangal, organized Awareness programme on "Human Values", for B. Pharmacy and Pharm. D 1st year students by Dr. G. Naresh from 23rd December 2019 to 09th January 2020. This program was designed to develop knowledge on importance of values of Human beings. Totally 113 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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REPORT

Name of the course: Workshop on Medicinal Plants and Crude Drugs

Duration: 23-12-2019 to 09-01-2020

Academic Year: 2020 - 21

Resource person details:

Mrs.M. Swapna, M.Pharm.

Assistant Professor,

Balaji Institute of Pharmaceutical Sciences

Balaji Institute of Pharmaceutical Sciences, Narasampet, Telangana organized an add on program on "Workshop on Medicinal Plants and Crude Drugs" for B. Pharmacy and Pharm D students by Mrs. M. Swapna from 23-12-2019 to 09-01-2020. This program was designed to inculcate the importance of natural products, herbal drugs and also practical experience on methods of analysis and interpretation. A total of 139 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:

- > The main purpose of the workshop is to understand the complexity of herbal drug analysis and to find out the appropriate and scientific solution for the same.
- > This will help the Ayurvedic/Herbal Industry to grow faster and gain more recognition worldwide.
- > It will also help candidates to master the art of analyzing and understanding the complex structure of the ayurvedic/ herbal drugs

#### Learning Outcomes:

- Guidance for preparation of testing/stability testing protocol for herbal products
- > The program will help in undertaking standardization/analysis and research of herbals in right direction
- > Interpretation of analytical data, nature of phytoconstituents, application of spectral methods of analysis, etc.

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- > Application of proper method of analysis
- > Preparation of samples, selection of method of analysis
- > Hands on experience on Organoleptic, Macroscopical, Microscopically, TLC, Spectrophotometer, HPLC, etc.

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 person for making the program successful.

Course Coordinator

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Date: 17-01-2020

Principal

# CIRCULAR

All the students of B. Pharmacy students are here by informed that an add on course on "Workshop on Analytical Instruments" is scheduled from 21-01-2020 to 06-02-2020. All the students are instructed to get enrolled and attend all the classes without fail.

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# DETAILED COURSE PLAN

Name of the course: Workshop on Analytical Instruments

Duration:

21-01-2020 to 06-02-2020

Academic Year: 2019-20

Curriculum Designed and Developed by

S.No	Name of the faculty	Designation	Signature
1.	Dr. T. Manish Kumar	Professor	lal
2.	Mr. M. Narasingham	Associate Professor	aduringen

# Modules to be covered in the course

S. No	Topic	Approach	Duration
1.	Chromatographic methods	<ul><li>HPLC</li><li>GC-MS</li><li>LC-MS</li><li>HPTLC</li></ul>	10hrs
2.	Spectroscopic Methods	<ul> <li>UV-Visible</li> <li>Fluorimetry</li> <li>FTIR</li> <li>NMR</li> <li>ESR</li> <li>MASS</li> <li>Atomic Spectroscopy</li> </ul>	12hrs
3.	Structural Methods	• XRD • SEM • TEM	6hrs
4.	Thermal Methods	DTA     DSC     TGA	6hrs

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36 Hrs

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#### REPORT

Date: 07-02-2020

Name of the course. World-	
Name of the course: Workshop on Analytical Instruments	Academic Year: 2019-20
Duration of Course: From 21-01-2020 to 06-02-2020	
21-01-2020 to 06-02-2020	Duration in Hrs: 30 Hrs

# Resource person details:

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

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 Workshop on Analytical Instruments for III Year M. Pharmacy students by the resource person Dr T. Manish Kumar, Professor, department of Pharmaceutical Analysis from 21-01-2020 to 06-02-2020. This program covered the following objectives and learning outcomes.

# Objectives:

The objective of the present workshop is to provide knowledge for students on various analytical methods.

This workshop cum training Programme intends to educate and to provide virtual demonstration of the commonly used analytical instruments i.e. Fourier Transform- Infrared Spectroscopy (FT-IR), Gas chromatography (GC), GC-Mass Spectroscopy (GC-MS), High Performance Liquid Chromatography (HPLC), Scanning Electron Microscopy (SEM) and Transmission Electron Microscopy (TEM) to the students.

# Learning outcomes:

1) The fundamental principles of instrumental measurements.

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- 2) Applications of these principles to specific types of chemical measurements (type of samples analyzed, figures of merit, strengths and limitations).
- 3) Examples of modern instrumentation. .
- 4) The use of instruments to solve real analytical problems.

Totally 49 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. The management and Principal of Balaji Institute of Pharmaceutical Sciences thanked the resource person **Dr T. Manish Kumar** for making the program successful.

Course Coordinator

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Principal



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Date: 15-02-2020

# CIRCULAR

All the students of B. Pharmacy students are here by informed that an add on course on "Fundamentals of Pharmacy Practice" is scheduled from 24-02-2020 to 12-03-2020. All the students are instructed to get enrolled and attend all the classes without fail.

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Name of the course: Fundamentals of Pharmacy Practice

Duration: From 24-02-2020 to 12-03-2020

Academic Year: 2019 - 20

S. No	Name of the Faculty	Designation	Signature /
1.	Dr. A. Nagesh	Associate Professor	ANN
2.	Dr. P . Manaswini	Assistant Professor	8 Marinon

#### Modules to be covered in the course

Session	Topic	
1.	Monitor drug therapy of patient through medication chart review and clinical review.	
2.	Obtain medication history interview and counsel the patients.	
3.	Identify and resolve drug related problems.	
4.	Detect. assess and monitor adverse drug reaction.	3 Hr
5.	Interpret selected laboratory results (as monitoring parameters in therapeutics) of specific disease states.	3 Hr
6.	Retrieve, analyse, interpret and formulate drug or medicine information.	3 Hr
7.	Uses and hand on various software's used in checking Drug interactions and queries.	3 Hr
8.	The therapeutic approach to management of these diseases.	
9.	The controversies in drug therapy.	
10.	To identify Specific parameters relevant in initiating drug therapy, and monitoring therapy (including alternatives, time-course of clinical and laboratory indices of therapeutic response and adverse effects).	

Course Coordinator

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Name of the counct Fundamentals of Pharmacy Practice.

Duration: 24-02-2020 to 12-03-2020.

Academie Year: 2019-20

Resource person details:

Dr.A. Nagesh, Pharm.D

Associate Professor.

Balaji Institute of Pharmaceutical Sciences.

Balaji Institute of Pharmaceutical Sciences, Telangana organized an add on program on "FUNDAMENTALS OF PHARMACY PRACTICE" for Pharm-D I year to IV year By Dr. A. Nagesh from 24-02-2020 to 12-03-2020. This program was designed to assess Develop and use strategies to apply fundamentals of pharmacy practice in present society. 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. To improve medication outcomes and pharmacy practice research and education
- 2. To improve the quality use of medicines and health outcomes.
- 3. To make defend rational and ethical decisions
- 4. To evaluate and document interventions and outcomes
- 5. To assess the patient and request appropriate medications or laboratory tests
- 6. To educate patients through counseling & provide health screening services to public

# Learning Outcomes:

1. Communicate well with patients and other health care professionals

essionals (Tayle)

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- 2. Develop, implement, evaluate and modify the pharmaceutical and nutritional care plan
- 3. Optimize therapy using clinical information
- 4. Think critically and try to solve the problems related to medication and nutritional therapy
- 5. Continue to develop communication skills.

This program was very much informative 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.

Course Coordinator

Principal

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Date: 28-03-2020

# **CIRCULAR**

All the students of B. Pharmacy students are here by informed that an add on course on "Research Design Execution and Publication" is scheduled from 06-04-2020 to 22-04-2020. All the students are instructed to get enrolled and attend all the classes without fail.



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Name of the course: Research Design Execution and Publication

Duration: 06-44-2020 to 22-04-2020

Academic Year: 2019 - 20

Curriculum Designed and Developed by

S.No	Name of the faculty	Designation	Signature
1.	Mr. N. Raja	Associate Professor	No
2.	Mr. G. Venkataramana	Associate Professor	

# Modules to be covered in the course

S. No	Topic	Duration
1.	Introduction of Research, Research designs, Bias research	3hrs
	Evidence based study Types of evidences Subjects to be used in study Modern day	
2	advancements	
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 according to study design	3hrs
8.	Acceptance criteria Rejection criteria	3hrs



9.	Publication chambases Type of search	3hrs
10.	Journal club	3hrs
	Types of publications and the impact	

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# REPORT

Name of the course: Research Design Execution and Publication

Duration: 06-04-2020 to 22-04-2020

Academic Years 2019 - 20

Resource person details:

Mr. N. Raja, M. Pharm, (Ph.D)

Associate Professor.

Balaji Institute of Pharmaceutical Sciences.

Balaji Institute of Pharmaceutical Sciences, Warangal, Telangana organized an add on program on "Research Design Execution and Publication" for M. Pharmacy 1st year year by Mr. N. Raja from 06-04-2020 to 22-04-2020. 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. Discus the rationale for research study design
- 4. Descript and analyse publication, evidence based literature
- 5. Types of evidence based literature
- 6. Developing research protocol, review and publication

Learning Unitcomes:

1. Learn study and research designs, questions

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- 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 sceptical
- 6. Analysis the quality based publications

This pageam 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.

Course Coordinator

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