

# **Course Description**

## BP101T. HUMAN ANATOMY AND PHYSIOLOGY-I (Theory)

45 Hours

**Scope:** This subject is designed to impart fundamental knowledge on the structure and functions of the various systems of the human body. It also helps in understanding both homeostatic mechanisms. The subject provides the basic knowledge required to understand the various disciplines of pharmacy.

**Objectives:** Upon completion of this course the student should be able to

1. Explain the gross morphology, structure and functions of various organs of the human body.
2. Describe the various homeostatic mechanisms and their imbalances.
3. Identify the various tissues and organs of different systems of human body.
4. Perform the various experiments related to special senses and nervous system.
5. Appreciate coordinated working pattern of different organs of each system

### Course Content:

#### Unit I

10 hours

- **Introduction to human body**

Definition and scope of anatomy and physiology, levels of structural organization and body systems, basic life processes, homeostasis, basic anatomical terminology.

- **Cellular level of organization**

Structure and functions of cell, transport across cell membrane, cell division, cell junctions. General principles of cell communication, intracellular signaling pathway activation by extracellular signal molecule, Forms of intracellular signaling: a) Contact-dependent b) Paracrine c) Synaptic d) Endocrine

- **Tissue level of organization**

Classification of tissues, structure, location and functions of epithelial, muscular and nervous and connective tissues.

#### Unit II

10 hours

- **Integumentary system**

Structure and functions of skin

- **Skeletal system**

Divisions of skeletal system, types of bone, salient features and functions of bones of axial and appendicular skeletal system

Organization of skeletal muscle, physiology of muscle contraction, neuromuscular junction





- **Joints**

Structural and functional classification, types of joints movements and its articulation

### Unit III

10 hours

- **Body fluids and blood**

- Body fluids, composition and functions of blood, hemopoiesis, formation of hemoglobin, anemia, mechanisms of coagulation, blood grouping, Rh factors, transfusion, its significance and disorders of blood, Reticulo endothelial system.

- **Lymphatic system**

Lymphatic organs and tissues, lymphatic vessels, lymph circulation and functions of lymphatic system

### Unit IV

08 hours

**Peripheral nervous system:**

Classification of peripheral nervous system: Structure and functions of sympathetic and parasympathetic nervous system.

Origin and functions of spinal and cranial nerves.

- **Special senses**

Structure and functions of eye, ear, nose and tongue and their disorders.

### Unit V

07 hours

- **Cardiovascular system**

Heart – anatomy of heart, blood circulation, blood vessels, structure and functions of artery, vein and capillaries, elements of conduction system of heart and heart beat, its regulation by autonomic nervous system, cardiac output, cardiac cycle. Regulation of blood pressure, pulse, electrocardiogram and disorders of heart.



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## **BP107P. HUMAN ANATOMY AND PHYSIOLOGY (Practical)**

**4 Hours/week**

Practical physiology is complimentary to the theoretical discussions in physiology. Practicals allow the verification of physiological processes discussed in theory classes through experiments on living tissue, intact animals or normal human beings. This is helpful for developing an insight on the subject.

1. Study of compound microscope.
2. Microscopic study of epithelial and connective tissue
3. Microscopic study of muscular and nervous tissue
4. Identification of axial bones
5. Identification of appendicular bones
6. Introduction to hemocytometry.
7. Enumeration of white blood cell (WBC) count
8. Enumeration of total red blood corpuscles (RBC) count
9. Determination of bleeding time
10. Determination of clotting time
11. Estimation of hemoglobin content
12. Determination of blood group.
13. Determination of erythrocyte sedimentation rate (ESR).
14. Determination of heart rate and pulse rate.
15. Recording of blood pressure.

### **Recommended Books (Latest Editions)**

1. Essentials of Medical Physiology by K. Sembulingam and P. Sembulingam. Jaypee brothers medical publishers, New Delhi.
2. Anatomy and Physiology in Health and Illness by Kathleen J.W. Wilson, Churchill Livingstone, New York
3. Physiological basis of Medical Practice-Best and Tailor. Williams & Wilkins Co, Riverview, MI USA
4. Text book of Medical Physiology- Arthur C, Guyton and John.E. Hall. Miamisburg, OH, U.S.A.
5. Principles of Anatomy and Physiology by Tortora Grabowski. Palmetto, GA, U.S.A.





## BP105T.COMMUNICATION SKILLS (Theory)

30 Hours

**Scope:** This course will prepare the young pharmacy student to interact effectively with doctors, nurses, dentists, physiotherapists and other health workers. At the end of this course the student will get the soft skills set to work cohesively with the team as a team player and will add value to the pharmaceutical business.

### Objectives:

Upon completion of the course the student shall be able to

1. Understand the behavioral needs for a Pharmacist to function effectively in the areas of pharmaceutical operation
2. Communicate effectively (Verbal and Non Verbal)
3. Effectively manage the team as a team player
4. Develop interview skills
5. Develop Leadership qualities and essentials

### Course content:

#### UNIT – I

07 Hours

- **Communication Skills:** Introduction, Definition, The Importance of Communication, The Communication Process – Source, Message, Encoding, Channel, Decoding, Receiver, Feedback, Context
- **Barriers to communication:** Physiological Barriers, Physical Barriers, Cultural Barriers, Language Barriers, Gender Barriers, Interpersonal Barriers, Psychological Barriers, Emotional barriers
- **Perspectives in Communication:** Introduction, Visual Perception, Language, Other factors affecting our perspective - Past Experiences, Prejudices, Feelings, Environment

#### UNIT – II

07 Hours

- **Elements of Communication:** Introduction, Face to Face Communication - Tone of Voice, Body Language (Non-verbal communication), Verbal Communication, Physical Communication
- **Communication Styles:** Introduction, The Communication Styles Matrix with example for each -Direct Communication Style, Spirited Communication Style, Systematic Communication Style, Considerate Communication Style





### UNIT – III

07 Hours

- **Basic Listening Skills:** Introduction, Self-Awareness, Active Listening, Becoming an Active Listener, Listening in Difficult Situations
- **Effective Written Communication:** Introduction, When and When Not to Use Written Communication - Complexity of the Topic, Amount of Discussion' Required, Shades of Meaning, Formal Communication
- **Writing Effectively:** Subject Lines, Put the Main Point First, Know Your Audience, Organization of the Message

### UNIT – IV

05 Hours

- **Interview Skills:** Purpose of an interview, Do's and Dont's of an interview
- **Giving Presentations:** Dealing with Fears, Planning your Presentation, Structuring Your Presentation, Delivering Your Presentation, Techniques of Delivery

### UNIT – V

04 Hours

- **Group Discussion:** Introduction, Communication skills in group discussion, Do's and Dont's of group discussion



  
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## **BP111P.COMMUNICATION SKILLS (Practical)**

**2 Hours / week**

The following learning modules are to be conducted using wordsworth® English language lab software

### **Basic communication covering the following topics**

Meeting People

Asking Questions

Making Friends

What did you do?

Do's and Dont's

### **Pronunciations covering the following topics**

Pronunciation (Consonant Sounds)

Pronunciation and Nouns

Pronunciation (Vowel Sounds)

### **Advanced Learning**

Listening Comprehension / Direct and Indirect Speech

Figures of Speech

Effective Communication

Writing Skills

Effective Writing

Interview Handling Skills

E-Mail etiquette

Presentation Skills





## BP 201T. HUMAN ANATOMY AND PHYSIOLOGY-II (Theory)

45 Hours

**Scope:** This subject is designed to impart fundamental knowledge on the structure and functions of the various systems of the human body. It also helps in understanding both homeostatic mechanisms. The subject provides the basic knowledge required to understand the various disciplines of pharmacy.

**Objectives:** Upon completion of this course the student should be able to:

1. Explain the gross morphology, structure and functions of various organs of the human body.
2. Describe the various homeostatic mechanisms and their imbalances.
3. Identify the various tissues and organs of different systems of human body.
4. Perform the hematological tests like blood cell counts, haemoglobin estimation, bleeding/clotting time etc and also record blood pressure, heart rate, pulse and respiratory volume.
5. Appreciate coordinated working pattern of different organs of each system
6. Appreciate the interlinked mechanisms in the maintenance of normal functioning (homeostasis) of human body.

### Course Content:

#### Unit I

10 hours

- **Nervous system**

Organization of nervous system, neuron, neuroglia, classification and properties of nerve fibre, electrophysiology, action potential, nerve impulse, receptors, synapse, neurotransmitters.

Central nervous system: Meninges, ventricles of brain and cerebrospinal fluid. structure and functions of brain (cerebrum, brain stem, cerebellum), spinal cord (gross structure, functions of afferent and efferent nerve tracts, reflex activity)

#### Unit II

06 hours

- **Digestive system**

Anatomy of GI Tract with special reference to anatomy and functions of stomach, ( Acid production in the stomach, regulation of acid production through parasympathetic nervous system, pepsin role in protein digestion) small intestine





and large intestine, anatomy and functions of salivary glands, pancreas and liver, movements of GIT, digestion and absorption of nutrients and disorders of GIT.

- **Energetics**

Formation and role of ATP, Creatinine Phosphate and BMR.

### **Unit III**

- **Respiratory system**

**10 hours**

Anatomy of respiratory system with special reference to anatomy of lungs, mechanism of respiration, regulation of respiration

Lung Volumes and capacities transport of respiratory gases, artificial respiration, and resuscitation methods.

- **Urinary system**

Anatomy of urinary tract with special reference to anatomy of kidney and nephrons, functions of kidney and urinary tract, physiology of urine formation, micturition reflex and role of kidneys in acid base balance, role of RAS in kidney and disorders of kidney.

### **Unit IV**

**10 hours**

- **Endocrine system**

Classification of hormones, mechanism of hormone action, structure and functions of pituitary gland, thyroid gland, parathyroid gland, adrenal gland, pancreas, pineal gland, thymus and their disorders.

### **Unit V**

**09 hours**

- **Reproductive system**

Anatomy of male and female reproductive system, Functions of male and female reproductive system, sex hormones, physiology of menstruation, fertilization, spermatogenesis, oogenesis, pregnancy and parturition

- **Introduction to genetics**

Chromosomes, genes and DNA, protein synthesis, genetic pattern of inheritance





## BP 207 P. HUMAN ANATOMY AND PHYSIOLOGY (Practical)

4 Hours/week

Practical physiology is complimentary to the theoretical discussions in physiology. Practicals allow the verification of physiological processes discussed in theory classes through experiments on living tissue, intact animals or normal human beings. This is helpful for developing an insight on the subject.

1. To study the integumentary and special senses using specimen, models, etc.,
2. To study the nervous system using specimen, models, etc.,
3. To study the endocrine system using specimen, models, etc
4. To demonstrate the general neurological examination
5. To demonstrate the function of olfactory nerve
6. To examine the different types of taste.
7. To demonstrate the visual acuity
8. To demonstrate the reflex activity
9. Recording of body temperature
10. To demonstrate positive and negative feedback mechanism.
11. Determination of tidal volume and vital capacity.
12. Study of digestive, respiratory, cardiovascular systems, urinary and reproductive systems with the help of models, charts and specimens.
13. Recording of basal mass index
14. Study of family planning devices and pregnancy diagnosis test.
15. Demonstration of total blood count by cell analyser
16. Permanent slides of vital organs and gonads.

### Recommended Books (Latest Editions)

1. Essentials of Medical Physiology by K. Sembulingam and P. Sembulingam. Jaypee brothers medical publishers, New Delhi.
2. Anatomy and Physiology in Health and Illness by Kathleen J.W. Wilson, Churchill Livingstone, New York
3. Physiological basis of Medical Practice-Best and Tailor. Williams & Wilkins Co, Riverview, MI USA





**T114 Human Anatomy & Physiology**  
(3hrs/Week)

Sr. No.	Chapter	No of Hrs
	The topics which were covered up to 10 + 2 should be covered with more details as given in books recommended to increase the depth.	
	<b>Section-I</b>	
1	Scope of Anatomy and Physiology, basic terminologies used in this subject (Description of the body using planes and terminologies)	01
2	Structure of cell-Its components and their functions (details). Process of cell division and protein synthesis	02
3	Elementary tissues of the human body :epithelial, connective, muscular and nervous tissues-their sub-types and characteristics	02
4	Homeostasis Various mechanisms to maintain homeostasis	02
5	a)Osseous system - structure, composition and functions of the skeleton b)Classification of joints, Types of movements of joints and c)disorders of joints (definitions only) (a) :To be done in practical classes-6 hrs	01
6	Haemopoietic System a) Composition and functions of blood and Blood components b) Haemopoiesis c) Blood groups d) Haemostasis-Clotting factors and mechanism	02 01 01 02
7	Lymph a) Lymph and lymphatic system composition, Formation, and circulation b) Spleen : Physiology and Function	02 01
8	Endocrine System ( introduction) a) Pituitary gland b) Adrenal gland c) Thyroid and parathyroid glands d) Pancreas and gonads	01 01 01 01 02
	<b>Section-II</b>	
9	Nervous System Neuron, Histology and Physiology, Neuronal Circuits. a) Definition and classification of nervous system b) Functional areas and functions of cerebrum c) Cerebellum d) Pons and medulla e) Thalamus and Hypothalamus f) Basal ganglion g) Spinal cord: Structure and functions- reflexes- Mono-Poly-Plantar h) Cranial Nerves- Names and functions, CSF –formation and functions Blood Brain Barrier. ANS-Anatomy and functions of sympathetic and parasympathetic N.S.	02 01 02 01 01 01 02 02 01 02
10	Cardio vascular system a) Anatomy of heart a) Blood vessels and circulation b) Pulmonary, coronary & systemic circulation c) Conduction and ECG d) Cardiac cycle and Heart Sounds f) Blood Pressure , maintenance and regulation	01 02 01 01 01 01

**Books Recommended:**

- 1) Guyton & Hall. Textbook of medical physiology, Elsevier. New Delhi, 2000 10<sup>th</sup> edition.
- 2) Vander, Sherman, Luciano. Human Physiology. Mc-Graw Hill Publication New Delhi 1998 7<sup>th</sup> edition.
- 3) Tortora G.J. Principles of anatomy & physiology. Harper Collins College Publishers, New York 1996 8<sup>th</sup> edition.
- 4) Chatterjee C.C. Human Physiology. Medical allied agency. Kolkata 2003 11<sup>th</sup> Edition.
- 5) Ross and Wilson. Anatomy and Physiology in health and illness. Churchill Livingstone 2001. 9<sup>th</sup> edition.
- 6) AB Mc Naught and Callander R., " Illustrated Physiology", B.I. Churchill Living Stone, New Delhi, 987. 1<sup>st</sup> edition.
- 7) Chaudhry Sujit K., "Consize Medical Physiology", New Cenrtal Book Agency, Calcutta, 1993. 2<sup>nd</sup> edition
- 8) Douglas E., Kelly, Richard Wood and Allen C. Enders, " Bailey's TextBook of Microscopic Anatomy", Williams and Wilkins publishers, London, 1984. 18<sup>th</sup> Edition



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Total no of lectures	60
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### P113 Biochemistry (Practical)

Sr.No.	TOPIC
1	Qualitative tests for carbohydrates. **
2	Qualitative tests for proteins. ** A. precipitation reaction. B. color reactions.
3	Quantitative estimation of carbohydrate by follin Wu method **
4	Quantitative estimation of glucose in urine by Benedict method **
5	Standardization of glass ware, study of biological variation, sources of errors. *
6	Expression of concentration such as normality, molality, molarity, percent, gms/litre etc. *
7	Preparation of normal (N) solution, percent solution v/v and w/v. *
8	Titration to find out acidity of gastric juice by titrating it against potassium hydroxide or sodium hydroxide. *
9	Identification of unknown substance of biomedical importance. *
10	Identification of given fat sample. *
11	A study of activity of enzyme salivary amylase. *
12	Determination of ascorbic acid using dye 2, 6 dichlorophenol indophenol. *
13	Determination of acid value of given fat sample. *
14	Electrophoresis, paper electrophoresis of serum protein. (demonstration) *
15	Care and use of pH meter construct titration curve for amino acid alanine. *
16	Separation of amino acid by paper chromatography. (Demonstration) *
17	Separation of lipids by thin layer chromatography. (Demonstration) *
18	Isolation of DNA *

\* Indicate minor experiments

\*\* Indicate major experiments

#### Books Recommended:

1. Harpers review of biochemistry – Martin
2. Text book of biochemistry – D. Satyanarayan
3. Text book of Clinical Chemistry – Alex Kaplan & Laverne L. Szabo
4. Principles of biochemistry – Lehninger
5. Text book of biochemistry – Ramarao
6. Practical Biochemistry – David T. Plummer
7. Practical Biochemistry – Pattabhiraman

#### Scheme for practical Examination

Sr.No.	Head	Sessional	Annual
1	Synopsis	05	10
2	Major experiment	07	35
3	Minor experiment	04	15
4	Viva	04	10
6	Journal & Attendance	10	-
	Total	30	70
	Duration	03 Hrs	4 Hrs



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- 09) Elaine N. Marieb, "Human Anatomy and Physiology", Addison Wesley, New York, 1997 4<sup>th</sup> edition.
- 10) Inderbir Singh, "Text Book of Human Histology with Colour Atlas, Jaypee Brothers, New Delhi, 2002. 4<sup>th</sup> edition.



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### P114 Human Anatomy & Physiology (Practical)

1. Study of Microscope\*
  2. Determination of ESR\*
  3. Determination of R.B.C. content of blood\*
  4. Determination of W.B.C. content of blood\*
  5. Determination of differential count of blood\*
  6. Determination of hemoglobin content of blood \*\*
  7. Determination of blood groups\*\*
  8. Determination of blood pressure\*\*
  9. Determination of bleeding time and clotting time\*\*
  10. Study of various systems using Charts/ Models#
  11. Study of histology using permanent slides #
  12. Study of skeletal system#
- #-Experiments for preliminary knowledge and may be examined in form of identification/spotting

\* Indicate Minor Experiment

\*\* Indicate Major Experiment

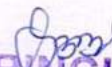
#### Books Recommended Books-

1. Ranade V.G., Pradhan S, Joshi P.N. Text Book of Practical Physiology. Pune Vidyapith Griha Prakashan, Pune, 1997
2. Mukherjee K.L. Medical Laboratory Technology. Tata McGraw Hill. New Delhi, 1999 4<sup>th</sup> edition (Vol.I,II,III)
3. Bharihoke V. Text book of Histology .A.I.T.B.S Publication. 2005, 2<sup>nd</sup> edition

#### Scheme for practical Examination

SR.NO	Head	Sessional	Annual
1	Spotting / identification	04	10
2	Synopsis	04	10
3	Major experiment	07	30
4	Minor experiment	03	15
5	Viva	02	10
6	Journal & Attendance	10	-
	Total	30	70
	Duration	03 Hrs	4 Hrs



  
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**T126 Human Anatomy, Physiology and Health Education**  
**45 Hours (3hrs/Week)**

Sr. No.	Chapter	No of Hrs
The topics which were covered up to 10+2 should be covered with more details as given in books recommended to increase the depth.		
<b>Section-I</b>		
1	Urinary System	
	a) Parts of the Urinary System and Gross structure of the kidney	07
	b) Structure of Nephron	
	c) Physiology of Urine Formation and Micturition	
	d) Renin Angiotensin System – Juxtra- Glomerular apparatus-	
	e) Maintenance of Acid-Base balance	
2	Respiratory System	
	a) Anatomy of respiratory organs and functions	08
	b) Mechanism and regulation of respiration	
	c) Physiology of respiration: Transport of respiratory gases	
	d) Respiratory volumes and vital capacity	
	e) Neural and chemical regulation of respiration O <sub>2</sub> and CO <sub>2</sub> carriage and hypoxia	
	f) Definitions of Hypoxia, Asphyxia, Dysbarism, Oxygen Therapy and resuscitation	
3	Digestive System	
	a) Anatomy of Gastro intestinal Tract(GIT)	07
	b) Anatomy, Secretions and functions of-Salivary glands, Stomach, Liver, Pancreas, Intestine	
	c) Digestion and absorption	
<b>Section-II</b>		
4	Reproductive System	
	a) Male and female reproductive systems	07
	b) Their hormones- Physiological role	
	c) Physiology of menstruation, ovarian cycle	
	d) Spermatogenesis	
	e) Sex determination(genetic basis)	
	f) Pregnancy and its maintenance and parturition	
	g) Contraception and Contraceptive devices	
5	Sense Organs	
	a) Eye	05
	b) Ear-Hearing and Equilibrium	
	c) Skin	
	d) Taste and smell	
6	Skeletal muscles	
	a) Histology	03
	b) Physiology of muscle contraction	
	c) Physiological properties of skeletal muscle	
7	Fluid & electrolyte balance	03
8	Health Education- Health Programme in India, Demography and Family Planning, Nutrition and Health, Occupational Health, Mental Health, Health Education, Health Planning and Management, communicable and non communicable diseases.	05

**Books Recommended:**

- 1) Guyton & Hall. Textbook of medical physiology, Elsevier. New Delhi, 2000 10<sup>th</sup> edition.
- 2) Vander, Sherman, Luciano. Human Physiology. Mc-Graw Hill Publication New Delhi 1998 7<sup>th</sup> edition.
- 3) Tortora G.J. Principles of anatomy & physiology. Harper Collins College Publishers, New York 1996 8<sup>th</sup> edition.
- 4) Chatterjee C.C. Human Physiology. Medical allied agency. Kolkata 2003 11<sup>th</sup> Edition.
- 5) Ross and Wilson. Anatomy and Physiology in health and illness. Churchill Livingstone 2001. 9<sup>th</sup> edition.
- 6) AB Mc Naught and Callander R., " Illustrated Physiology", B.I. Churchill Living Stone, New Delhi, 1987. 1<sup>st</sup> edition.
- 7) Chaudhry Sujit K., "Consise Medical Physiology", New Cenrtal Book Agency, Calcutta, 1993. 2<sup>nd</sup> edition
- 8) Douglas E., Kelly, Richard Wood and Allen C. Enders, " Bailey's TextBook of Microscopic Anatomy", Williams and Wilkins publishers, London, 1984. 18<sup>th</sup> Edition
- 9) Elaine N. Marieb, "Human Anatomy and Physiology", Addison Wesley, New York, 1997 4<sup>th</sup> edition.
- 10) Inderbir Singh, " Text Book of Human Histology with Colour Atlas, Jaypee Brothers, New Delhi, , 2002. 4<sup>th</sup> edition.
- 11) Park J.E. and Park K., "Preventive and Social Medicine", Banarasidas Bhanot, India, 1991. 13<sup>th</sup> edition



  
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**T125 PHARMACEUTICAL INORGANIC CHEMISTRY-II**

(4 Hrs/Week)

Section II		
1	<b>Topical Agents</b> Protective, astringents, Anti-infective	08
2	<b>Gases &amp; Vapors</b> Oxygen, Anesthetics Respiratory stimulants.	04
3	<b>Dental Products</b> Dentifrices Anticaries agent	04
4	Theoretical Principles of Qualitative analysis	07
Section II		
5	Complexing & Chelating agents other antidotes	04
6	<b>Radiopharmaceuticals and contrast media:</b> Radiopharmaceuticals, Radiopharmaceutical preparation, Radiopaque contrast media	08
6	<b>Miscellaneous : Environmental Sciences</b> <ul style="list-style-type: none"> <li>Water, Types Use of water in Pharmaceuticals as solvents,</li> <li>Water pollution &amp; Purification techniques Industrial water wastes &amp; pollutants</li> <li>Sclerosing agents, Expectorants, Emetics, Antioxidants.</li> </ul>	10
<b>Total no. of lectures</b>		<b>45</b>

**Books Recommended:**

1. Vogel's Textbooks of qualitative Inorganic Analysis By Denny, Jeffery.
2. Practical Pharmaceutical inorganic chemistry, By Beckett & Stenlake.
3. Inorganic Medicinal & Pharmaceutical Chemistry By Block & Roche.
4. Text book of Pharmaceutical Chemistry, By Chatten L.G.(Dekker series)
5. Textbook of Pharmaceutical analysis By Connors K.A.
6. Text book of Pharmaceutical Analysis By Dr. H. N. More
7. Indian Pharmacopoeia
8. British Pharmacopoeia
9. Remington's Pharmaceutical Sciences.



  
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### T361 Cosmetic Technology I (Theory)

(3 hrs/week)

#### Section-I

#### Topic

1	<b>Introduction to cosmetics:</b> A) Applications, origin and development of cosmetic sciences.  B) Basic knowledge of skin, role of hormones and vitamins in skin nutrition.  C) Dermatitis and allergy, primary irritants and photosensitization in cosmetics.  D) Preservation, performance and evaluation of cosmetics.	08
2	<b>Cosmetic colors:</b> Natural and synthetic colors including plants and animal origin, lakes, pigments and inorganic colors.	05
3	<b>Perfumes in cosmetics:</b> Natural and synthetic perfumes, manufacturing and blending of perfumes.	02
4	<b>Introduction to cosmetic vehicles</b>	02
5	<b>Skin care preparations:</b> Skin creams and lotions, classification of skin creams, cold, vanishing, and all purpose, emollient creams, cleansing Creams, foundation creams, hand creams, protective and barrier creams, Evaluation of creams.	05

Section -II

Sr. No.	Topics	Hrs
1	<b>Hair preparation:</b> shampoos, hair seating lotion, conditioner, hair tonics, hair bleaches, hair coloring dyes, permanent waving, hair straighter, anti dandruff preparation, Evaluation of Shampoo	04
2	<b>Face powders and makeup:</b> face powders, compact powder, cake make up, make up cream, liquid make up, sick make up, and liquid powders, beauty masks.	04
3	<b>Colored make up:</b> Lipstick, rouges, and eye make up, Evaluation of Lipstick.	03
4	<b>Mainicure preparation:</b> Cuticle remover nails bleach, nail whites, nail creams, nail liquor, and enamel remover.	03
5	<b>Dental products:</b> Dentifrices and mouth washes and Evaluation of Tooth paste.	04
6	<b>Antiageing preparation</b>	02
7	<b>Stability testing of cosmetic products</b>	03

Total Hours: 45

**Books Recommended:**



  
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- 1) Riger: Harries Cosmeticology, Chemical Publishing company, Newyark
- 2) Poucher: Perfumes, Cosmetics and Soaps, Springer Pvt. Ltd., New Delhi
- 3) Balsam & Sagarin: Cosmetics – Science and Technology (Vol. 1-3), John Wiley & Sons, Newyark
- 4) Magdassi: Novel Cosmetic Delivery System- Cosmetic science & Tech. series vol- 19. Marcel Dekker Inc., Newyark
- 5) Thomson: Modern cosmetic, Universal Publishing Corporation, Bombay
- 6) Marc Paye, Maibach H I: Handbook of Cosmetic Science and Technology, 2<sup>nd</sup> Edition, CRC Press., Tayler & Francis, Newyark
- 7) A.Nanda, S.Nanda, Roop K. Khar: Cosmetic Technology- Birla Publications, Delhi





### P361 Cosmetic Technology I (Practicals)

- 1) **Creams:** cold cream\*\*, vanishing cream\*\*, cleansing cream\*\*, emollient cream\*\*, foundation cream\*\*.
- 2) **Face powders and make-up:** Face powder, Dusting powder, Compact powder, Liquid make-up, Face mask.
- 3) **Body Cosmetics:** Hand & body lotion, hand protective cream, Peeling lotion, Corn callus preparation, Sunscreen lotion.
- 4) **Baby Cosmetics:** Baby lotion, Baby cream, Baby powder.
- 5) **Hair preparations:** Liquid shampoo\*\*, Cream shampoo\*\*, Gel shampoo\*\*, Brilliantine. \*\*
- 6) **Shaving Preparations:** Lather shaving cream\*\*, Brushless shaving cream\*\*, After shave lotion
- 7) **Coloured make-up:** Lipstic\*\*
- 8) **Manicure Preparations:** Nail Lacquer, Nail remover
- 9) **Dental Products:** Mouth wash, Tooth paste\*\*, Tooth Powder.
- 10) **Astringent and Skin tonics:** Astringent cream, Skin toner

(3Hrs/week)

Major Expt. \*\*

Minor Expt. Remaining all preparations

Examination Pattern is as follows

Sr. No.	Types of Question	Sessional	University
	Duration	3 Hrs	4 Hrs
1	Synopsis	5	10
2	Viva Voce	5	10
3	Exp. Major	-	30
	Minor	10	20
4	Journal Marks	10	-
	Total Marks	30	70

#### Books Recommended

- 1) Riger: Harries Cosmeticology
- 2) Poucher: Perfumes, Cosmetics and Soaps
- 3) Balsam & Sagarin: Cosmetics – Science and Technology (Vol. 1-3)
- 4) Magdassi: Novel Cosmetic Delivery System- Cosmetic science & Tech. Series vol- 19
- 5) Thomson: Modern cosmetic
- 6) Marc Paye, Maibach H I: Handbook of Cosmetic Science and Technology, 2<sup>nd</sup> Edition, CRC Press.



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### T362 Pharmaceutical Medicinal chemistry –II (Theory)

(3 hrs/week)

The following topics should be covered with the points listed below

1. Introduction
2. Classification
3. Mechanism of action
4. Structure-activity relationship
5. Pharmacokinetics (Metabolism) and
6. Therapeutic uses
7. Synthesis of drugs official in IP (Listed in respective classes)

Section –I		
Sr.No	Topic	Hours
1	<b>Antiseptic &amp; Disinfectants</b> Chlorocresol, Phenol	02
2	<b>Antiamoebics</b> Metronidazole, Tinidazole	03
3	<b>Anthelmintics</b> Piperazine citrate, Albendazole, Mebendazole, Levamisole, Niclosamide	04
4	<b>Antifungal agents</b> Clotrimazole, Griseofulvin, Ketoconazole, Miconazole nitrate	03
5	<b>Quinoline Antibacterials</b> Ciprofloxacin hydrochloride, Norfloxacin, Nalidixic acid,	02
6	<b>Antineoplastic agents</b> Methotrexate, Busulphan, Fluorouracil, Cisplatin, Cyclophosphamide, Thiotepa.	09
Section-II		
7	<b>Anti Tubercular and Anti-leprotic Agents</b> Isoniazide, Ethambutol, Pyrazinamide, Ethionamide	04
8	<b>Antimalarials</b> Chloroquine sulphate, Primaquine, Amodiaquine	04
9	<b>Antibiotics</b> Amoxycillin, Ampicillin, Carbenicillin, Cefadroxil, Cephalexin, Chloramphenicol, Gentamicin.	10
10	<b>Sulfonamides</b> Sulphamethoxazole, Sulphadiazine, Sulphadoxine	04

Total Hrs: 45

#### Books Recommended



  
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# Activity Report





**President :**  
Shri Amrishbhai R. Patel  
M.L.A.

**Principal :**  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

### Activity report (2023-24)

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

<b>Name of Activity</b>	International Yoga Day
<b>Organizer</b>	H.R.P.I.P.E.R. and THE ART OF LIVING
<b>Venue</b>	H.R.P.I.P.E.R. Ground
<b>Name of Speaker With contact details</b>	THE ART OF LIVING & YOG VIDYA DHAM SHIRPUR.
<b>Date of activity</b>	21/06/2023
<b>Objectives</b>	To promote the physical, mental, and spiritual benefits of yoga, fostering a sense of community and mindfulness across diverse populations.
<b>In charge</b>	Principal, Dr. S. B. Bari, H.R.P.I.P.E.R. and SES management
<b>Number of Participant</b>	Students- 42 Teachers -21
<b>Brief Report on activity</b>	On 21, June, 2023 H.R.P.I.P.E.R. and THE ART OF LIVING celebrated International Yoga Day at H.R.P.I.P.E.R. Ground, drawing over 63 participants. The event featured a guided group yoga session led by certified instructors, showcasing various styles such as Hatha and Vinyasa. Participants also engaged in workshops focused on mindfulness and stress management, gaining practical techniques to incorporate yoga into their daily lives. Health and wellness booths provided resources on nutrition and holistic practices, along with free consultations from local health professionals. Activities for children included yoga games and storytelling, promoting family involvement.
<b>Photograph Of activity</b>	
<b>Outcome</b>	Increased participation in yoga practices worldwide, resulting in heightened awareness of its physical, mental, and emotional benefits..

*Y. Man*  
**Physical Director**

*S. B. Bari*  
**Principal**

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### Activity report

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	International Day of Indigenous People and Revolution day
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER Library, Shirpur
Date of activity	09th August 2023
Objectives	Widespread public awareness and efforts to protect the human rights of the tribal community, to protect the culture, to preserve their rights to water, forest and land, to preserve their distinct culture, identity, rights and authority, social unity, existence, self-respect, self-esteem, identity, Keeping in view the requirement, 9th August is celebrated annually by the United Nations as 'World Indigenous People's Day'.
In charge	Mr. N. P. Pawar
Number of Participant	65
Brief Report on activity	Chairman of Gaurav Foundation Hon. M. K. Bhamre by placing a wreath at the image of great revolutionary Birsa Munda World Tribal Day was celebrated. On this occasion, the principal of the college, Dr. S. B. Bari, expressed his thought. All the professors, non-teaching staff and students of the college attended the said program.
Photograph Of activity	



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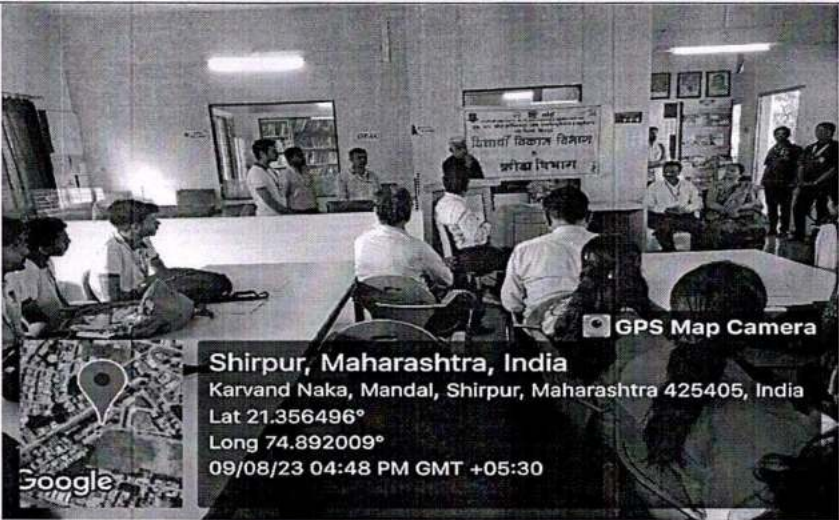
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Principal :  
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Outcome	<p>The event commenced with a stirring acknowledgment of indigenous cultures worldwide, emphasizing their rich traditions and ongoing struggles for recognition and rights. Through engaging talks, interactive workshops, and artistic performances, students and faculty delved into the complexities of indigenous identity, highlighting the importance of preserving diverse cultural heritage. Simultaneously, Revolution Day was commemorated with thoughtful discussions on past revolutions and their enduring impact on society, fostering a deeper understanding of the complexities of revolutionary movements. Overall, the celebration served as a poignant reminder of the ongoing quest for justice, equality, and cultural preservation.</p>

  
**Mr. N. P. Pawar**  
Student development Officer



  
**Dr. S. B. Bari**  
Principal  
H.R. Patel Institute of Pharmaceutical  
Education & Research,  
Shirdpur Dist Dhule (M.S.) 425 405

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**M.Pharm. Ph.D., D.I.M.F.J.C.**

**Activity report**  
**Submitted to**  
**The Principal,**  
**H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur**

<b>Name of Activity</b>	<b>Ganesh Festival 2023</b>
<b>Organizer</b>	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
<b>Venue</b>	HRPIPER
<b>Name of Speaker With contact details</b>	-
<b>Date of activity</b>	19 <sup>th</sup> to 23 <sup>rd</sup> September 2023
<b>Objectives</b>	The Ganesh Festival, celebrated to honor the birth of Lord Ganesha, aims to foster devotion, community bonding, and cultural celebrations. This festival brings diverse communities together, promoting social harmony and mutual understanding. With an emphasis on eco-friendly practices, the event has evolved to incorporate environmental awareness. The artistic expression through the creation and decoration of Ganesha idols showcases cultural richness, while philanthropic activities and charity work underscore the spirit of giving and compassion. Additionally, the festival emphasizes civic responsibility through collaboration with local authorities for a smooth and safe celebration. In essence, Ganesh Festival encompasses religious significance, cultural heritage, community unity, environmental consciousness, artistic expression, and social responsibility.
<b>In charge</b>	Mr. S. K. Patil ,Ms. H. T. Jadhav and Ms. A. Y. Pathan
<b>Number of Participant</b>	B.Pharm. and M.Pharm. Students
<b>Brief Report on activity</b>	HR Patel Institute of Pharmaceutical Education and Research (HRPIPER) in Shirpur celebrated Ganesh Festival 2023 with great zeal and enthusiasm. The festivities commenced with elaborate preparations weeks before the festival. The campus was adorned with vibrant decorations, including colorful rangolis, floral arrangements, and thematic displays depicting Lord Ganesha. The main venue, the college courtyard, was transformed into a festive space with elaborate decorations and

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**M.L.A.**

**Principal :**  
**Dr. S. B. Bari**  
**M.Pharm. Ph.D., D.I.M.F.J.C.**

lighting arrangements, creating a joyous ambiance

On the day of Ganesh Chaturthi, students, faculty, and staff gathered in large numbers to participate in the puja ceremonies conducted by a traditional priest. The rituals included the invocation of Lord Ganesha, chanting of Vedic hymns, and offering of prayers and bhajans. The atmosphere was filled with devotion and spirituality as everyone sought the blessings of Lord Ganesha for wisdom, prosperity, and success.

Cultural performances by students showcased the rich heritage and talent of HRPIPER. These performances included classical dances, music recitals, skits, and dramas themed around the life and teachings of Lord Ganesha, adding vibrancy and energy to the celebrations.

After the puja ceremonies and cultural performances, prasad consisting of modaks, laddoos, fruits, and sweets were distributed among the attendees as a symbol of divine blessings and prosperity. This sharing of prasad fostered a sense of unity and camaraderie among the college community, reinforcing the spirit of togetherness and celebration.

Overall, Ganesh Festival 2023 at HR Patel Institute of Pharmaceutical Education and Research was a memorable occasion that brought together students, faculty, and staff to celebrate shared cultural traditions and seek the blessings of Lord Ganesha for a prosperous and successful academic year.

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**Principal :**  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.



Photograph  
Of activity



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**Outcome**

Ganesh Festival at H.R.P.P.E.R is not just a religious observance but a joyous occasion that brings together students, faculty, and staff from diverse backgrounds to celebrate shared cultural traditions. Through vibrant decorations, meaningful rituals, cultural performances, and the spirit of camaraderie, the festival creates lasting memories and strengthens the bonds within the college community. As we bid adieu to Lord Ganesha on Anant Chaturdashi, we carry forward the blessings and teachings of the beloved deity, inspiring us to embark on a journey of wisdom, prosperity, and harmony.



  
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### Activity report (2023-24)

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

<b>Name of Activity</b>	K.B.C.N.M.U. Jalgaon Under Dhule Zone Inter College Yoga M/W Competition.
<b>Organizer</b>	M.D.Palesha College Dhule.
<b>Venue</b>	M.D.Palesha College Dhule
<b>Name of Speaker With contact details</b>	Dhule Sports President, Secretary & Principal College Student & Faculty.
<b>Date of activity</b>	3/10/2023
<b>Objectives</b>	The objective of celebrating the Inter College Yoga M/W Competition is to promote physical and mental well-being among students, while fostering discipline, concentration, and a healthy lifestyle. It also encourages friendly competition and unity across colleges through the practice of yoga.
<b>In charge</b>	Principal, H. R. P. I. P. E.R. and Sport In- charge
<b>Number of Participant</b>	Student 5 Teachers - 1
<b>Brief Report on activity</b>	The Inter College Yoga M/W Competition brought together students from various colleges to showcase their skills in flexibility, balance, and mindfulness. The event promoted physical fitness, mental clarity, and overall well-being, fostering a spirit of healthy competition and unity among participants.
<b>Photograph Of activity</b>	
<b>Outcome</b>	The outcome of the Inter College Yoga M/W Competition was a successful display of physical endurance and mental focus, with participants gaining recognition for their discipline and skill.

*Y. Thakur*  
**Physical Director**

*S. B. Bari*  
**Principal**  
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M.L.C.

**Principal :**  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.I.C.

### Activity report

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

<b>Name of Activity</b>	<b>Participation in Youth Festival 2023-2024</b>
<b>Organizer</b>	K. C. E. Society's Moolji Jaitha college, Jalgaon.
<b>Venue</b>	K. C. E. Society's Moolji Jaitha college, Jalgaon.
<b>Date of activity</b>	07 October 2023 to 11 October 2023
<b>Objectives</b>	Along with the academic progress of the students in the field, their participation in extra-curricular activities should be increased, and their internalized latent skills should be developed. Along with this, a sense of unity should be created among the students and mutual affection should be increased.
<b>In charge</b>	Mr. N. P. Pawar
<b>Number of Participant</b>	03
<b>Brief Report on activity</b>	Kavayitri Bahinabai Chaudhari North Maharashtra University organized the "Inter College Youth Festival Yuvarang 2023-24" by the Student Development Department at Moolji Jetha College, Jalgaon, from October 7 to 11, 2023 for the students of Uttar Maharashtra University. In this, event four students of our H. R. Patel Institute of Pharmaceutical Education and Research, shirpur college was enthusiastically participated in the compitition of Indian light vocal music, Elocution, and Debate.
<b>Photograph Of activity</b>	

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<b>Outcome</b>	Ultimate aim of these extracurricular activities is to provide an opportunity to the students to understand the cultural values of the different parts of Maharashtra as well as the country. Provide our student youth an opportunity to be familiarize with the glorious culture heritage. Develop qualities of Character, Courage, Comradeship, Discipline, spirit of friendship, creation of excellence. Propagate the concept of national integration, spirit of communal harmony. Provide platform to bring youth together in attempt to provide them opportunity to show their talent in varies cultural activities.
----------------	---

**Mr. N. P. Pawar**  
Student development Officer



**Dr. S. B. Bari**  
**Principal**

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### Activity report (2023-24)

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

<b>Name of Activity</b>	<b>K.B.C.N.M.U. Jalgaon Under Dhule Zone intercollege Badminton Competition.</b>
<b>Organizer</b>	<b>R.C.P.A.C.S.College Shirpur.</b>
<b>Venue</b>	<b>R.C. Patel Mainbilding Shirpur.</b>
<b>Name of Speaker With contact details</b>	<b>Dhule Sports President, Secretary &amp; Principal College Student &amp; Faculty.</b>
<b>Date of activity</b>	<b>13/10/2023</b>
<b>Objectives</b>	The objective of celebrating the Intercollege Badminton Competition is to enhance students' athletic skills and promote physical fitness through friendly competition. It aims to build teamwork, strategic thinking, and sportsmanship across participating colleges.
<b>In charge</b>	Physical Director, H. R. P. I. P. E.R.
<b>Number of Participant</b>	Student 08 Teachers - 01
<b>Brief Report on activity</b>	The Intercollege Badminton Competition was a vibrant event that brought together students from various colleges, showcasing their athletic skills, agility, and strategic play. Participants competed in singles and doubles matches, with each game highlighting their commitment to teamwork and sportsmanship. The event fostered a lively and supportive atmosphere, encouraging students to strive for excellence while enjoying the spirit of friendly competition.
<b>Photograph Of activity</b>	 
<b>Outcome</b>	The outcome of the Intercollege Badminton Competition was a successful display of athletic talent, teamwork, and strategic skills, with participants gaining recognition and confidence in their abilities.

*Y. H. Patel*  
**Physical Director**

*S. B. Bari*  
**Principal**  
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### Activity report (2023-24)

Submitted to

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<b>Name of Activity</b>	<b>K.B.C.N.M.U.Jalgaon under Dhule zone intercollege Football Competition.</b>
<b>Organizer</b>	<b>H.R.P.I.P.E.R. Shirpur.</b>
<b>Venue</b>	<b>H.R.P.I.P.E.R. Ground, Shirpur.</b>
<b>Name of Speaker With contact details</b>	<b>Dhule Sports President, Secretary &amp; Principal College Student &amp; Faculty.</b>
<b>Date of activity</b>	<b>16/10/2023</b>
<b>Objectives</b>	The objective of celebrating the Intercollege Football Competition is to promote teamwork, physical fitness, and strategic thinking among students. It aims to encourage a spirit of unity and sportsmanship while providing a platform for athletic talent across colleges.
<b>In charge</b>	Physical Director, H. R. P. I. P. E.R.
<b>Number of Participant</b>	Student 12 Teachers - 01
<b>Brief Report on activity</b>	The Intercollege Football Competition brought together teams from various colleges in an exciting showcase of skill, strategy, and teamwork. The matches were intense and well-fought, with players demonstrating impressive dedication and resilience on the field. Spectators cheered enthusiastically, creating an energetic and supportive atmosphere. The event successfully highlighted athletic talent, fostered camaraderie, and strengthened the spirit of healthy competition among the participating colleges.
<b>Photograph Of activity</b>	
<b>Outcome</b>	The outcome of the Intercollege Football Competition was a strengthened sense of unity, sportsmanship, and teamwork among the participants.

*Y. K. K.*  
**Physical Director**

*S. B. Bari*  
**Principal**  
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### Activity report (2023-24)

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<b>Name of Activity</b>	<b>K.B.C.N.M.U.Jalgaon under Dhule zone intercollege Volleyball Competition.</b>
<b>Organizer</b>	<b>N.M.C. Kusube College Shirpur.</b>
<b>Venue</b>	<b>District Sport Complex Dhule.</b>
<b>Name of Speaker With contact details</b>	<b>Dhule Sports President, Secretary &amp; Principal College Student &amp; Faculty.</b>
<b>Date of activity</b>	<b>17/10/202</b>
<b>Objectives</b>	The objective of celebrating the Intercollege Volleyball Competition is to foster teamwork, agility, and competitive spirit among students.
<b>In charge</b>	Physical Director, H. R. P. I. P. E.R.
<b>Number of Participant</b>	Student 15 Teachers - 01
<b>Brief Report on activity</b>	The Intercollege Volleyball Competition brought together teams from various colleges, each displaying remarkable teamwork, coordination, and athletic skill. The matches were highly competitive and engaging, with players showcasing agility, strategy, and resilience. The audience's enthusiastic support added to the vibrant atmosphere, making the event both thrilling and unifying. Overall, the competition successfully promoted sportsmanship, strengthened intercollege connections, and highlighted the athletic talent of the participants.
<b>Photograph Of activity</b>	 
<b>Outcome</b>	The outcome of the Intercollege Volleyball Competition was a display of exceptional athleticism and sportsmanship, with participants gaining recognition for their teamwork and skill.

*Y. Thakur*  
**Physical Director**

*S. B. Bari*  
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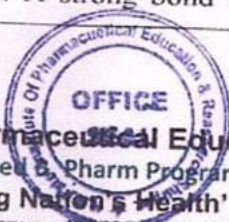


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M.L.A.

Principal :  
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M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report  
Submitted to  
The Principal,  
H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Name of Activity	Garba Night 2023
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	IMRD GROUND
Name of Speaker With contact details	Ms.Dweta Bhupeshbhai Patel
Date of activity	20 <sup>th</sup> October 2023
Objectives	Garba is another vital part of the celebration performed during Navratri to honor the divine feminine energy within all people regardless of gender. Garba allows devotees to honor Goddess Durga even if their families are not near them. The vibrance and cultural significance of Garba brings students together and allows students to learn more about Hindu traditions. It adds a rich perspective to the student body by increasing representation and seeing different cultural activities for everyone to enjoy.
In charge	Mr .S. K. Patil , Ms. H. T. Jadhav, Ms. A. Y .Pathan
Number of Participant	500
Brief Report on activity	Inculcating a sense of culture and unity is the essence of any Indian festival and Navratri is a portrait of colour, action, music and togetherness. As nine days of non-stop fun, dance and festivities was around the corner, Students' celebrated Dandiya Night on 20 th October 2023 with the help of perfect traditional attires, the dolled-up look and dancing skills.Preparations for the same had started almost a week ago, starting with invitations, décorand ultimately ending with the night that saw a riot of colours and an eclectic mix of music which will make its revellers remember the joyous celebrations for years to come. All the students, teaching and non-teaching faculty present there joined in the celebration, tapping to the spectacular music. A strong bond was visualized between teachers and



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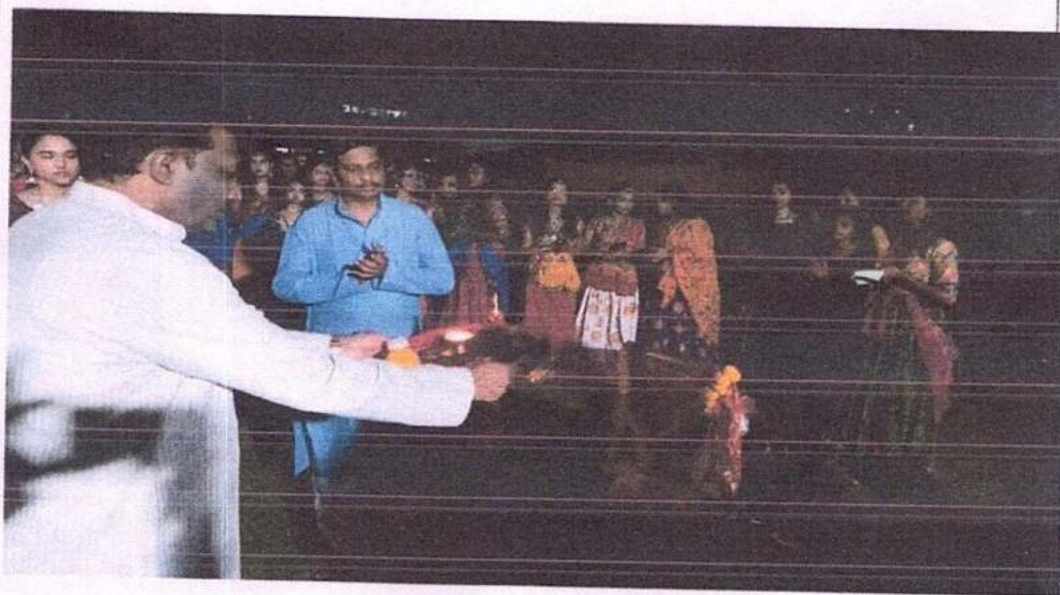




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students. It was huge family tapping their toes with the rejoicing music.



Photograph  
Of activity



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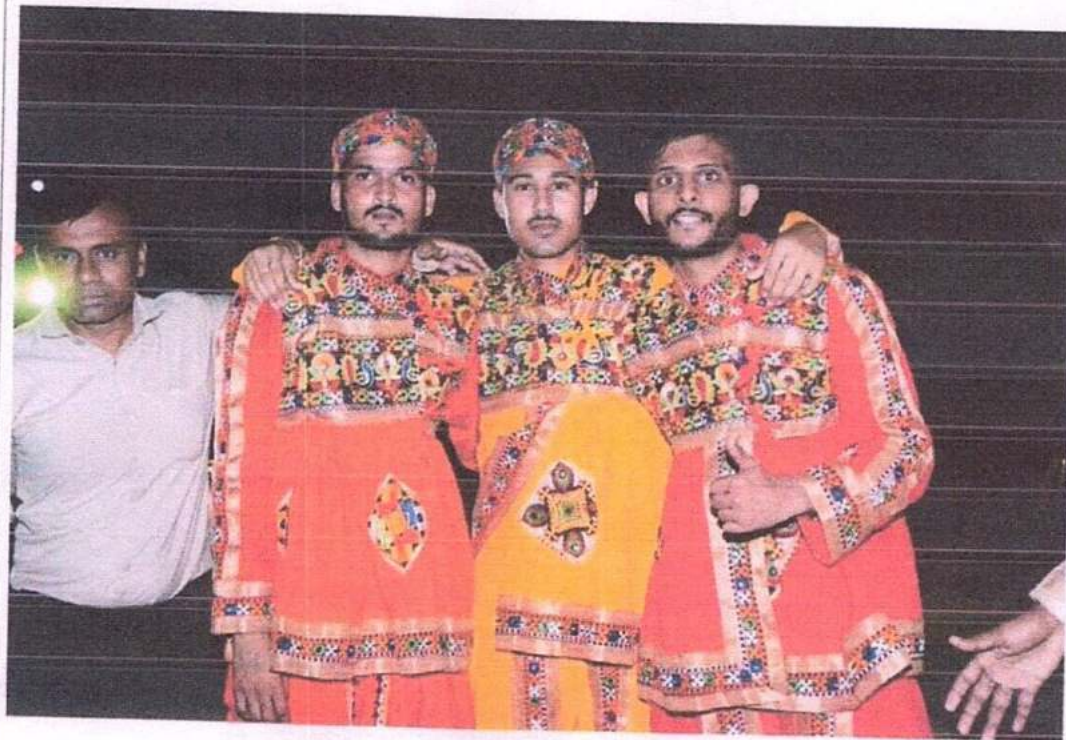
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**Outcome**

Students are spiritually connected to the Indian culture.

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**Activity report**  
Submitted to  
**The Principal,**  
**H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur**

Name of Activity	Retrofest 2023
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	S.M.Patel Hall
Name of Speaker With contact details	Mr.sudhakar Prabhakar Ganu.
Date of activity	20 October 2023
Objectives	To provide a seamless and joyful transition for incoming students, to develop a sense of community and belonging, and to facilitate their general personal and intellectual progress in a college or university setting.
In charge	Mr .S. K. Patil , Ms. H. T. Jadhav, Ms. A. Y .Pathan
Number of Participat	203
Brief Report on activity	"Fresher's Party" in any college is an event which every student eagerly awaits from their time of admission. The 20 October 2023 was as a memorable day in the life of every fresher of B.Pharm batch 2023-24 at HRPIPER Shirpur campus .It is the day where seniors and juniors finally bond and unite to celebrate being part of the college. Students were welcomed with the so much of enthusiasm .The fresher's day was filled with excitement, joy, music, enthusiasm, laughter and happiness. The dress code for the fresher's day was "Retro" theme. Fresher's party is a gracious and a cordial welcome by the second year students to the first year students. It is an event where freshers are not only given a chance to exhibit their talents but also feel comfortable and adapt to the new surroundings. A person should constantly develop positive habits for their future, according to Mr. Sudhakar Ganu.



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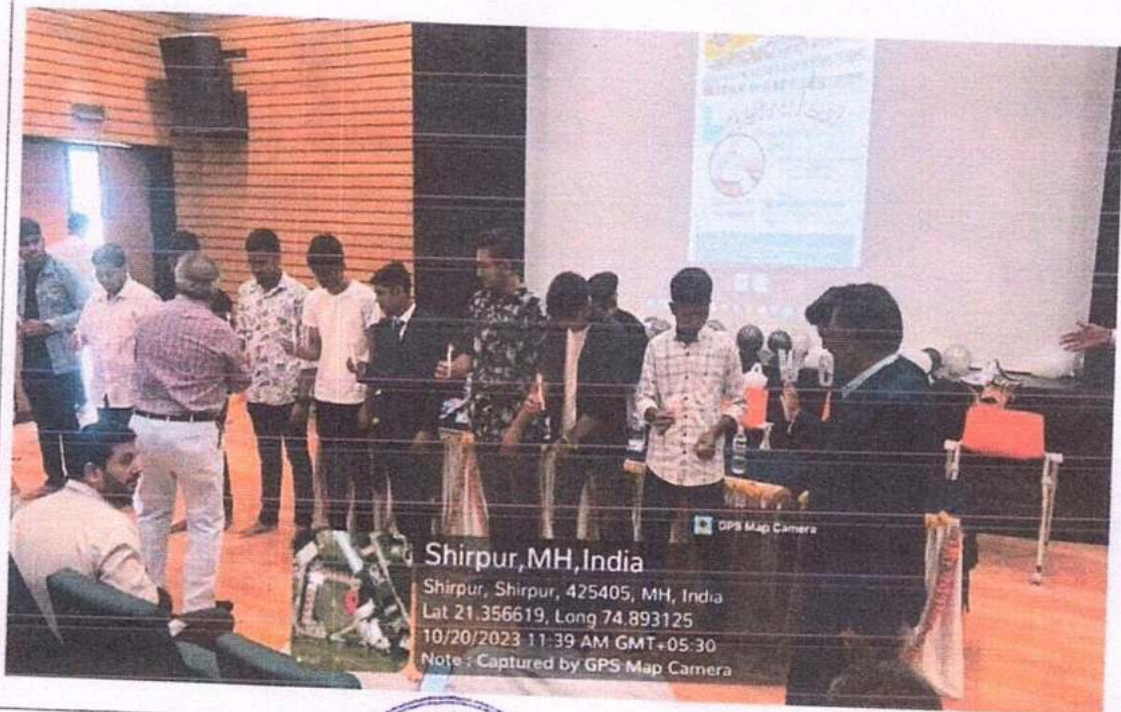
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Shirpur, Shirpur, 425405, MH, India  
Lat 21.356637, Long 74.893290  
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Note : Captured by GPS Map Camera

Photograph  
Of activity



Shirpur, MH, India  
Shirpur, Shirpur, 425405, MH, India  
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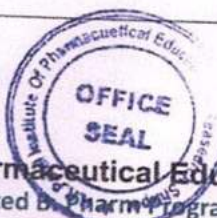
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#### Outcome

Program strengthened the bonds among the students and created respect for ethnic and racial diversity in India.



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### Activity report

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

<b>Name of Activity</b>	<b>Bharat 2047 Voice of Youth Consultation Online Program</b>
<b>Organizer</b>	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
<b>Venue</b>	Third Floor B. Pharm Class Room No. 1, HRPIPER, Shirpur
<b>Date of activity</b>	11 <sup>th</sup> December 2023
<b>Objectives</b>	To achieve the goal of Viksit Bharat, the government will focus on improving people's capabilities and empowering them.
<b>In charge</b>	Mr. N. P. Pawar
<b>Number of Participant</b>	38
<b>Brief Report on activity</b>	Bharat 2047 Voice of Youth Consultation Program developed by University Grants Commission, New Delhi has been conducted online at HR Patel Pharmacy College Shirpur today on 11th December 2023 at 10:30 AM. Principal Dr. S. B. Bari for this program was attended by student development officers, professors, non-teaching staff, and students in large numbers.
<b>Photograph Of activity</b>	

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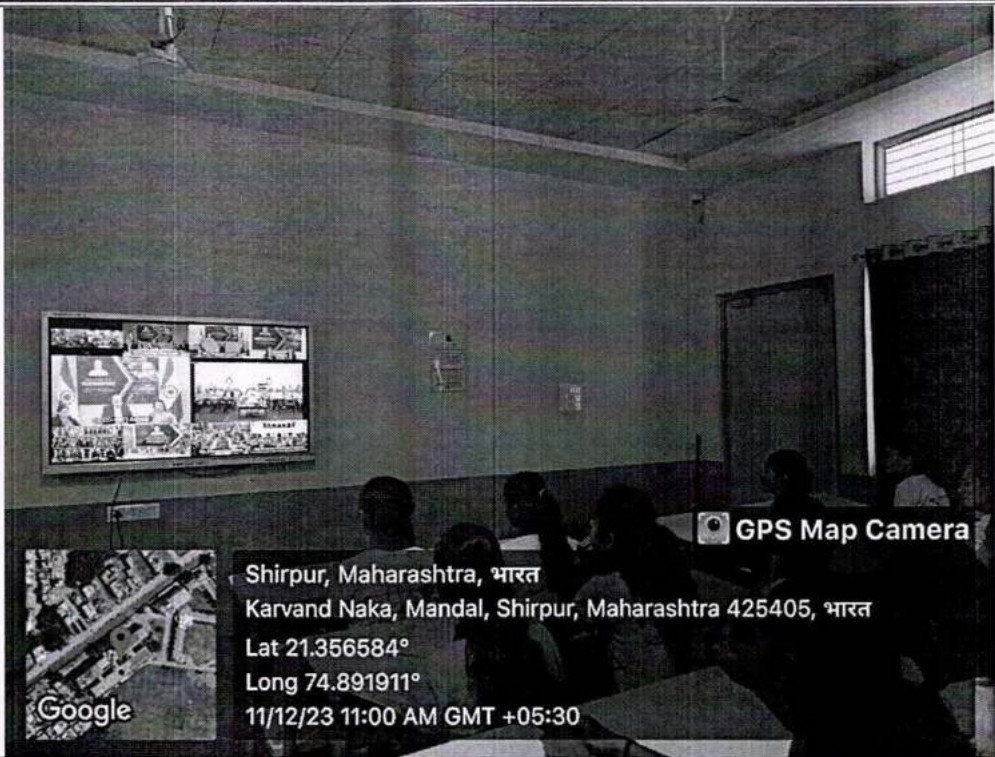
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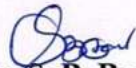
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	 <p>GPS Map Camera</p> <p>Shirpur, Maharashtra, भारत Karvand Naka, Mandal, Shirpur, Maharashtra 425405, भारत Lat 21.356584° Long 74.891911° 11/12/23 11:00 AM GMT +05:30</p> <p>Google</p>
Outcome	The Viksit Bharat @2047: Voice of Youth was launched to realise the vision of Viksit Bharat, which demands a firm belief in India's destiny, unwavering dedication and a profound recognition of the people's vast potential capabilities and talent, particularly the youth.

  
**Mr. N. P. Pawar**  
Student development Officer



  
**Dr. S. B. Bari**  
Principal  
H.R. Patel Institute of Pharmaceutical  
Education & Research,  
Shirpur Dist Dhule (M.S.) 425 405

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### Activity report

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

<b>Name of Activity</b>	<b>One day seminar on "Women's Health Enhancement Seasonal Campaign."</b>
<b>Organizer</b>	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
<b>Venue</b>	HRPIPER
<b>Date of activity</b>	3 <sup>rd</sup> January 2024
<b>Objectives</b>	Educate participants about the importance of women's health, particularly in the context of seasonal changes. Discuss specific health challenges faced by women during different seasons and provide strategies for prevention and management. Raise awareness about the "Women's Health Enhancement Seasonal Campaign."
<b>In charge</b>	Mr. N. P. Pawar
<b>Number of Participant</b>	89
<b>Brief Report on activity</b>	A guest lecture was held on the topic of "Women's Health Enhancement Seasonal Campaign." A guest lecturer for this Seminar Dr. Supriya Pantvaidya madam and Dr. Manisha Gaud madam was welcomed by the principal of the college Dr. S. B. Bari presented the bouquet. The direction of the lecture was steered by the students of Khopragade College, while gratitude was expressed by Prof. N. P. Pawar. The lecture was attended by all women's staff, and girl students of the college. Dr. Supriya Pantvaidya madam madam and Dr. Manisha Gaud madam share the importance of women's health, particularly in the context of seasonal changes.
<b>Photograph Of activity</b>	 <p>GPS Map Camera</p> <p>Shirpur, Maharashtra, India Shri padmavati nagar, Shahada road Near pharmacy college, in front of Recreation Garden, Mandal, Shirpur, Maharashtra 425405, India Lat 21.354704° Long 74.893475° 03/01/24 12:47 PM GMT +05:30</p> <p>Google</p>



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M.Pharm. Ph.D., D.I.M.F.I.C.



### Outcome

Gain a comprehensive understanding of the unique health challenges faced by women during different seasons. Engage in constructive discussions and knowledge-sharing sessions with experts, peers, and stakeholders in the field of women's health.

*R. Pawar*  
**Mr. N. P. Pawar**  
Student development Officer



*S. B. Bari*  
**Dr. S. B. Bari**  
Principal  
H.R. Patel Institute of Pharmaceutical  
Education & Research,  
Shirpur Dist Dhule (M.S.) 425 405

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### Activity report

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

<b>Name of Activity</b>	<b>Women's Health Checkup Camp at Lauki</b>
<b>Organizer</b>	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
<b>Venue</b>	Lauki Tal-Shirpur
<b>Date of activity</b>	10 January 2024
<b>Objectives</b>	To provide women in the community with access to comprehensive health screenings. To assess hematological parameters, including CBC and total blood count, to identify any abnormalities or health concerns. To offer medical expertise and guidance through the checkup conducted by Dr. Sachin Shah from Shradha Clinical Laboratory. To engage College SDD and NSS students in community service and health promotion activities.
<b>In charge</b>	Mr. N. P. Pawar, Mrs. Sonal Shah
<b>Number of Participant</b>	60
<b>Brief Report on activity</b>	A women's health checkup camp was held at Lauki, tal- shirpur. Hematological parameters, including CBC and total blood count, were determined during the camp. Dr. Sachin Shah from Shradha Clinical Laboratory conducted the checkup. College SDD and NSS students assisted in ensuring the smooth conduction of the camp.
<b>Photograph Of activity</b>	 <p>GPS Map Camera</p> <p>Lauki, Maharashtra, India CW6W+HHM, Lauki, Maharashtra 425405, India Lat 21.411383° Long 74.946362° 10/02/24 12:49 PM GMT +05:30</p> <p>Google</p>

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### Outcome

Identification of any abnormalities or health concerns related to hematological parameters through CBC and total blood count screenings. Increased awareness among women in the community about the importance of regular health checkups and early detection of health issues. Enhanced community engagement and collaboration between healthcare professionals, educational institutions, and the local community for promoting women's health and well-being.

*R. Pawar*  
**Mr. N. P. Pawar**  
Student development Officer



*Dr. S. B. Bari*  
**Dr. S. B. Bari**  
Principal  
H.R. Patel Institute of Pharmaceutical  
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Shirdpur Dist Dhule (M.S.) 425 405

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### Activity report (2023-24)

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

<b>Name of Activity</b>	<b>K.B.C.N.M.U.Jalgaon under Zonal Intercollege Cricket Competition.</b>
<b>Organizer</b>	<b>K.B.C.N.M.U.Jalgaon under Nandurbar zone intercollege Women Cricket Competition.</b>
<b>Venue</b>	<b>P.S.V.P. Lonkheada, College Shahada</b>
<b>Name of Speaker With contact details</b>	<b>Dhule Sports President, Secretary &amp; Principal College Student &amp; Faculty.</b>
<b>Date of activity</b>	<b>11/01/2024 to 12/01/2024</b>
<b>Objectives</b>	The objective of celebrating the K.B.C.N.M.U. Jalgaon Under Nandurbar Zone Intercollege Women Cricket Competition is to empower women athletes and promote gender equality in sports.
<b>In charge</b>	Physical Director, H. R. P. I. P. E.R.
<b>Number of Participant</b>	Student 01 Teachers - 01
<b>Brief Report on activity</b>	The K.B.C.N.M.U. Jalgaon under Nandurbar Zone Intercollege Women's Cricket Competition featured competitive matches with talented female cricketers from various colleges. The event highlighted athletic skill, teamwork, and sportsmanship, promoting women's participation in sports and fostering unity across colleges.
<b>Photograph Of activity</b>	 
<b>Outcome</b>	The outcome of the K.B.C.N.M.U. Jalgaon under Nandurbar Zone Intercollege Women's Cricket Competition was a display of exceptional talent and teamwork, with participants demonstrating strong cricketing skills.

*Physical Director*  
**Physical Director**

*Principal*  
**Principal**  
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M.Pharm. Ph.D., D.I.M.F.J.C.

### Activity report (2023-24)

Submitted to

The Principal,

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<b>Name of Activity</b>	K.B.C.N.M.U. Jalgaon under Dhule Zone Intercollege Baseball (M/W) Competition.
<b>Organizer</b>	H.R.P.I.P.E.R. Shirpur.
<b>Venue</b>	H.R.P.I.P.E.R. Shirpur.
<b>Name of Speaker With contact details</b>	Dhule Sports President, Secretary & Principal College Student & Faculty.
<b>Date of activity</b>	14/01/2024
<b>Objectives</b>	The objective of celebrating the K.B.C.N.M.U. Jalgaon under Dhule Zone Intercollege Baseball (M/W) Competition is to promote athleticism, teamwork, and sportsmanship among college students.
<b>In charge</b>	Physical Director, H. R. P. I. P. E.R.
<b>Number of Participant</b>	Student 10 Teachers - 01
<b>Brief Report on activity</b>	The K.B.C.N.M.U. Jalgaon under Dhule Zone Intercollege Baseball (M/W) Competition brought together teams from various colleges within the Dhule zone, showcasing exceptional athletic skills and teamwork. The event featured both male and female categories, with players demonstrating strategic play, agility, and strong determination. The competition was marked by high-energy matches, fostering a spirit of healthy competition and sportsmanship. It also served as a platform for students to connect, share experiences, and celebrate their passion for the sport. The event highlighted the importance of teamwork and physical fitness, leaving a positive impact on participants and spectators alike.
<b>Photograph Of activity</b>	
<b>Outcome</b>	The outcome of the K.B.C.N.M.U. Jalgaon under Dhule Zone Intercollege Baseball (M/W) Competition was a highly successful event that highlighted the athleticism, teamwork, and sportsmanship of the participating teams.

*Y. Hanan*  
**Physical Director**

*S. B. Bari*  
**Principal**  
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**Principal :**  
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M.Pharm. Ph.D., D.I.M.F.J.C.

### Activity report (2023-24)

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

<b>Name of Activity</b>	K.B.C.N.M.U.Jalgaon under Zonel Intercollege Baseball (M/W) Competition.
<b>Organizer</b>	K.B.C.N.M.U.Jalgaon under Nandurbar zone intercollege M/W Baseball Competition.
<b>Venue</b>	P.S.V.P. Lonkheada, College Shahada
<b>Name of Speaker With contact details</b>	Dhule Sports President, Secretary & Principal College Student & Faculty.
<b>Date of activity</b>	16/01/2024 to 17/01/2024
<b>Objectives</b>	The event aims to provide a platform for both male and female athletes to showcase their baseball skills while promoting healthy competition, unity, and sports engagement across colleges in the Nandurbar zone.
<b>In charge</b>	Physical Director, H. R. P. I. P. E.R.
<b>Number of Participant</b>	Student 10 Teachers - 01
<b>Brief Report on activity</b>	The K.B.C.N.M.U. Jalgaon under Nandurbar Zone Intercollege M/W Baseball Competition was a vibrant event that brought together talented baseball players from various colleges across the Nandurbar zone. The competition featured both male and female teams, each demonstrating great skill, strategy, and teamwork. The players exhibited a strong commitment to the game, with exciting matches that kept the audience engaged throughout. The event not only showcased the athleticism and dedication of the participants but also promoted a spirit of camaraderie and friendly competition among the colleges. Spectators cheered enthusiastically, creating an energetic and supportive atmosphere for all the teams.
<b>Photograph Of activity</b>	
<b>Outcome</b>	The outcome of the K.B.C.N.M.U. Jalgaon under Nandurbar Zone Intercollege M/W Baseball Competition was highly successful, with teams displaying exceptional talent, teamwork, and sportsmanship.

*Y. Hajari*  
**Physical Director**

*S. B. Bari*  
**Principal**

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**President :**  
Shri. Amrishbhai R. Patel  
M.L.C.

**Principal :**  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.I.C.

**Activity report**  
Submitted to  
**The Principal,**

**H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur**

<b>Name of Activity</b>	<b>Guest Lecture on Women's Awareness Campaign on Menstruation</b>
<b>Organizer</b>	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
<b>Venue</b>	HRPIPER
<b>Date of activity</b>	18 January 2024
<b>Objectives</b>	Educate participants about the importance of women's health, particularly in the context of seasonal changes. Discuss specific health challenges faced by women during different seasons and provide strategies for prevention and management. Raise awareness about the "Women's Health Enhancement Seasonal Campaign."
<b>In charge</b>	Mr. N. P. Pawar and Mrs. Sonal Shah
<b>Number of Participant</b>	37
<b>Brief Report on activity</b>	A guest lecture was held on the topic of " Women's Awareness Campaign on Menstruation." A guest lecturer for this Mrs. Pratibha Chaudhari madam was welcomed by the Mrs. Sonal Shah presented the bouquet. The direction of the lecture was steered by the students of Khopragade College, while gratitude was expressed by Prof. N. P. Pawar. The lecture was attended by all women's staff, and girl students of the college. Mrs. Pratibha Chaudhari madam shares the importance of women's health, particularly in the context of Menstruation period.
<b>Photograph Of activity</b>	 <p>REDMI NOTE 8 PRO AI QUAD CAMERA</p> <p>18/01/2024 15:29</p>



**The Shirpur Education Society's**  
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M.L.C.

Principal :  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.I.C.



### Outcome

Gain a comprehensive understanding of the unique health challenges faced by women during different seasons. Engage in constructive discussions and knowledge-sharing sessions with experts, peers, and stakeholders in the field of women's health.

  
**Mr. N. P. Pawar**  
Student development Officer



  
**Dr. S. B. Bari**  
Principal  
H.R. Patel Institute of Pharmaceutical  
Education & Research,  
Shirpur Dist Dhule (M.S.) 425 405

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**Principal :**  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

**Activity report**  
Submitted to  
**The Principal,**  
**H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur**

<b>Name of Activity</b>	Sparkles 2K24 (Annual Gathering)
<b>Organizer</b>	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
<b>Date of activity</b>	28 <sup>th</sup> January 2024
<b>Objectives</b>	Celebrating diversity and promoting cultural exchange by showcasing different cultural traditions, foods, performances, or activities. Celebrating diversity and promoting cultural exchange by showcasing different cultural traditions, foods, performances, or activities. Celebrating diversity and promoting cultural exchange by showcasing different cultural traditions, performances, or activities. Providing entertainment and recreational activities to promote relaxation and socialization among attendees.
<b>In charge</b>	Mr.S.K.Patil , Ms. H. T. Jadhav , Ms.A.Y.Pathan
<b>Number of Participant</b>	500
<b>Brief Report on activity</b>	<p>H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur's "SPARKLES 2k24" annual cultural event concluded with Zeal on 28<sup>th</sup> Jan. 2024. Through artistically presenting vibrant programmes such solo dance, solo singing, group dancing, enticing dances, fashion presentations, drama, etc., the students won over the audience's hearts. The program was inaugurated by Hon.Shri.Kamal kishorji Bhandari sir ,Hon.Mrs.Chhaya patil mam ,Hon.shri . Mohan Bapu Bhamre sir . Mrs. Ashwini Patil, Mr. Ashokji Sonwane, Mrs. Kanika Sukhvani, Mrs. Priti Bafna, and Mr. Jadhav Sir evaluated the group on behalf of SPARKLES 2k24."The program was presided over by principal of the college Dr. S. B. Bari, Academic Incharge Dr. P. O. Patil, SPARKLES2k24 Incharge Mr.S.K.Patil, Ms.H.T.Jadhav, Ms.A.Y.Pathan etc. were present. Respected Sir exhorted the audience to pursue their dreams, show off their abilities, set high goals, and strive tirelessly to achieve them. Principal Dr. S.B. Bari sir also gave the audience an update on the college's progress.</p>

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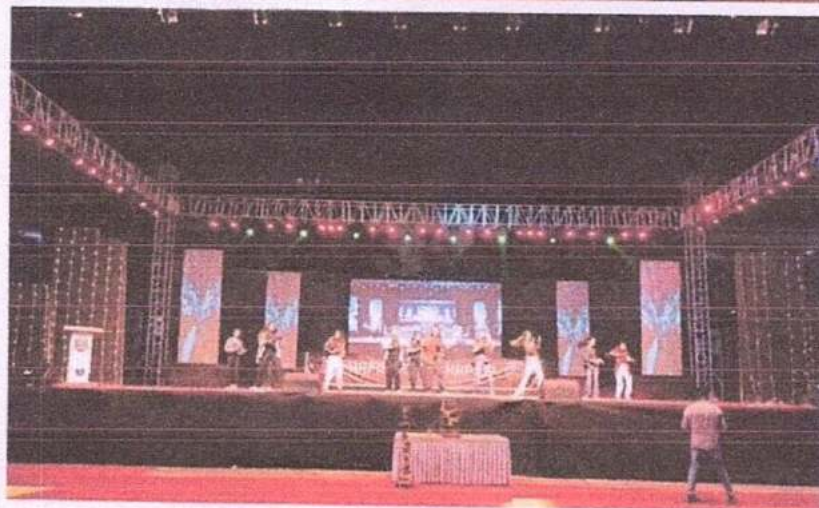




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Shri Amrishbhai R. Patel  
M.L.A.

Principal :  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

Photograph  
Of activity



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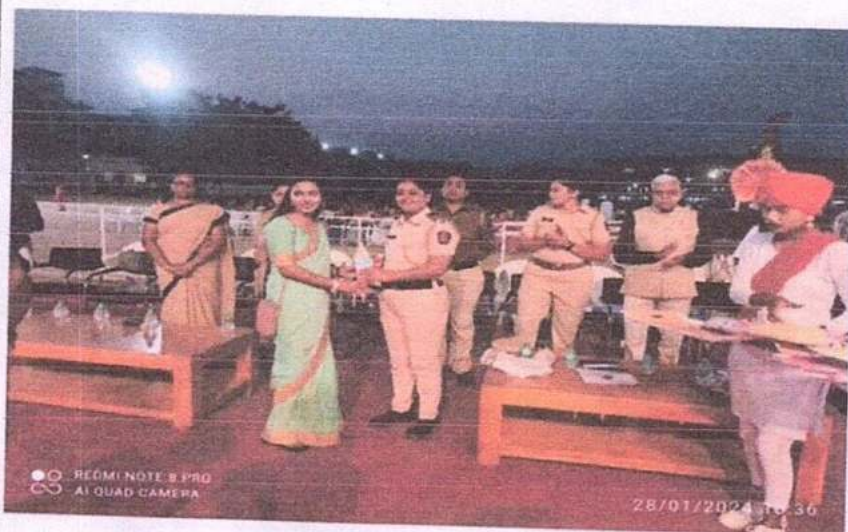
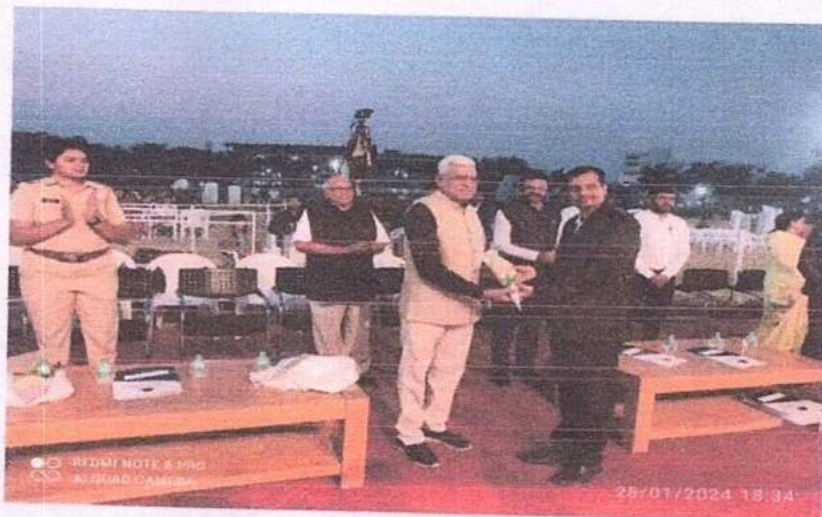




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**President :**  
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Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

<b>Outcome</b>	Annual Day Celebration was a great success, offering a platform for students to demonstrate their talents and achievements. The event recognized our students' growth and successes while developing a sense of community and appreciation for their efforts. We are confident that the celebration had a positive impact on the participants and inspired them to continue their journey of learning and personal development.
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**Principal**  
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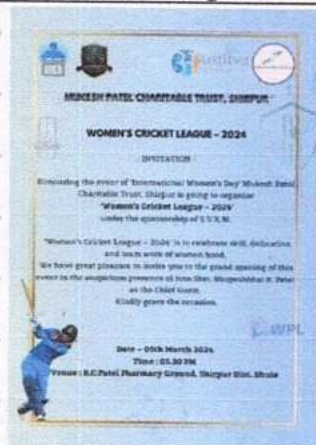


**Principal :**  
Dr. S. B. Bari  
M.Pharm. Ph.D., D.I.M.F.J.C.

### Activity report (2023-24)

Submitted to

The Principal,

H. R. Patel Institute of Pharmaceutical Education and Research, Shirdpur

<b>Name of Activity</b>	<b>05 March -09 March 2024 Women's Day Cricket League</b>
<b>Organizer</b>	<b>Mukesh Patel Charitable Trust</b>
<b>Venue</b>	<b>R.C.P.I.P.E.R. College Shirdpur ,</b>
<b>Name of Speaker With contact details</b>	<b>SES Secretary &amp; Principal Teaching non-Teaching Women's Staff.</b>
<b>Date of activity</b>	<b>05/03/2024 to 09/03/2024</b>
<b>Objectives</b>	The objective of celebrating the Women's Day Cricket League is to empower and celebrate women athletes through sports, promoting gender equality and inclusivity in cricket.
<b>In charge</b>	Principal, H. R. P. I. P. E. R. and Director of Physical Education
<b>Number of Participant</b>	Students- 25 Girls 18 Teachers - 7
<b>Brief Report on activity</b>	The Women's Day Cricket League, held from 5th to 9th March 2024, was an empowering and exciting event that brought together women cricketers from various colleges and communities. The league featured highly competitive matches, with teams displaying remarkable skill, strategy, and teamwork on the field. The atmosphere was filled with energy and support, as players competed not only for victory but also for the celebration of women's achievements in sports. The event was a significant step in promoting gender equality in cricket, providing a platform for women athletes to shine. Spectators and participants alike were inspired by the talent and passion displayed throughout the league.
<b>Photograph Of activity</b>	  
<b>Outcome</b>	The Women's Day Cricket League successfully achieved its objective of empowering women through sports, with outstanding performances from all participants.

*S. Bari*  
**Physical Director**

*S. Bari*  
**Principal**

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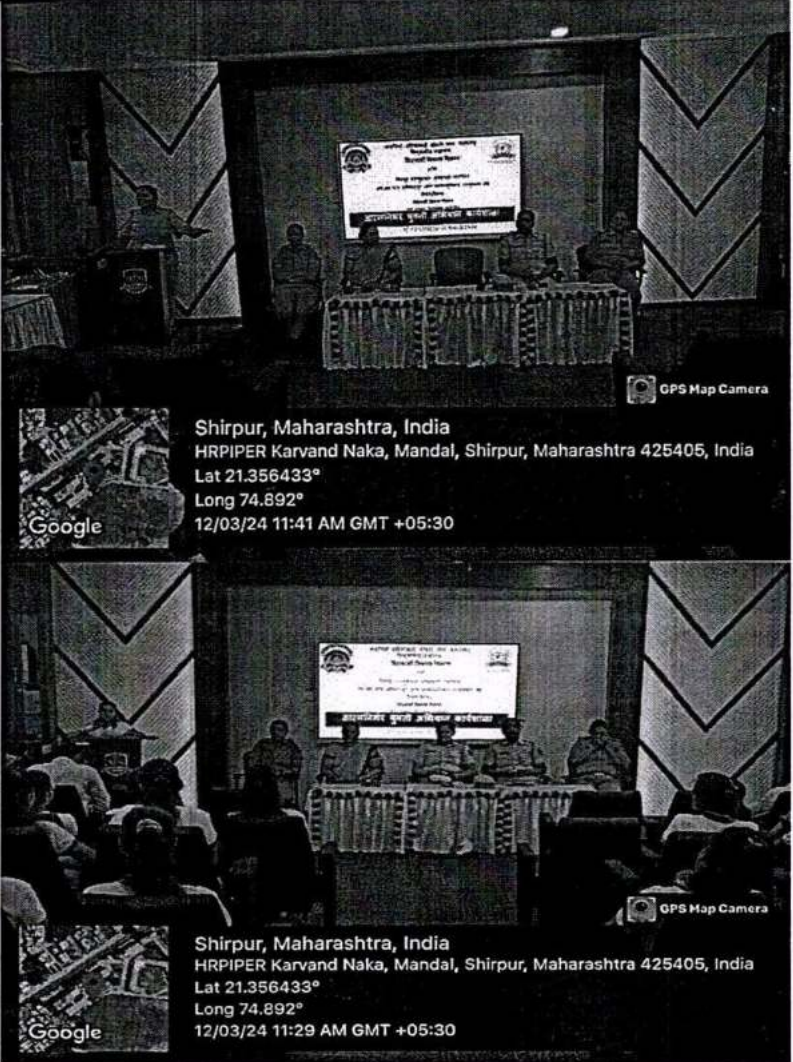
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<b>Name of Activity</b>	<b>Guest lecture on Cyber Crime</b>
<b>Organizer</b>	Student Development Department of KBCNMU, Jalgaon, and HRPIPER, Shirpur Organized jointly
<b>Venue</b>	HRPIPER Seminar hall, Shirpur
<b>Date of activity</b>	12 <sup>th</sup> March 2024
<b>Event Coordinator</b>	Mr. N. P. Pawar
<b>Speaker Name</b>	PSI Chhaya D. Patil
<b>Objectives</b>	Increase awareness about the prevalence and seriousness of cyber threats in today's digital world. Many people underestimate the risks associated with cybercrime, so raising awareness is crucial.
<b>Number of Participant</b>	95
<b>Brief Report on activity</b>	A guest lecture was held on the topic of Cyber Crime. A guest lecturer for this PSI Chhaya D. Patil madam was welcomed by the principal of the college Dr. S. B. Bari presented the bouquet. The direction of the lecture was steered by the students of Khopragade College, while gratitude was expressed by Prof. N. P. Pawar. The lecture was attended by faculty members, and girl students of the college. PSI Chhaya D. Patil elaborated on the Cyber Crime and highlighted various incidences, as well as law, provide some helpline number, etc.
<b>Photograph Of activity</b>	 <p>Shirpur, Maharashtra, India HRPIPER Karvand Naka, Mandal, Shirpur, Maharashtra 425405, India Lat 21.356433° Long 74.892° 12/03/24 11:41 AM GMT +05:30</p> <p>Shirpur, Maharashtra, India HRPIPER Karvand Naka, Mandal, Shirpur, Maharashtra 425405, India Lat 21.356433° Long 74.892° 12/03/24 11:41 AM GMT +05:30</p>






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<p><b>Outcome</b></p>	<p>Participants gained a deeper understanding of the various forms of cybercrime, the tactics used by cybercriminals, and the potential consequences of falling victim to cyber threats. Participants acquired practical knowledge about cyber security best practices, including how to protect their personal and professional digital assets from cyber-attacks.</p>

*R. Pawar*  
 Mr. N. P. Pawar  
 Student Development Officer



*Dr. S. B. Bari*  
 Dr. S. B. Bari  
 Principal  
 H.R. Patel Institute of Pharmaceutical  
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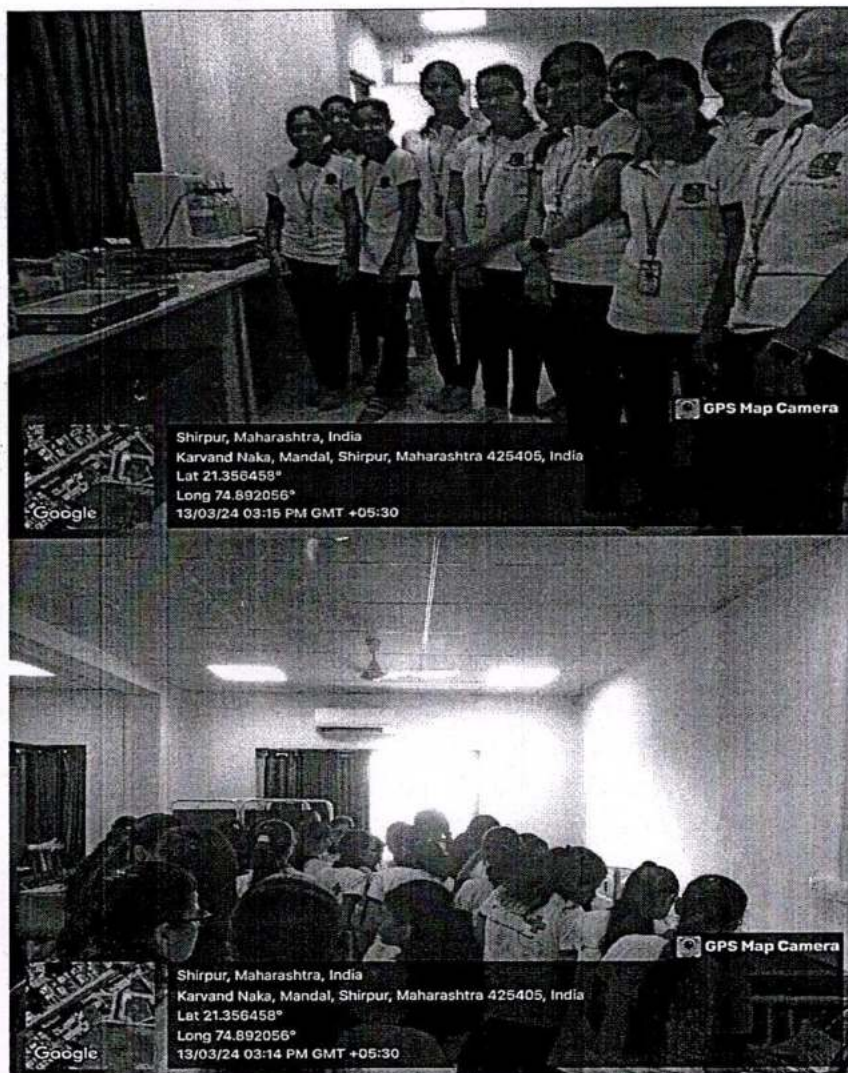


<b>Name of Activity</b>	<b>Women Employment visit at hospital</b>
<b>Organizer</b>	Student Development Department of KBCNMMU, Jalgaon, and HRPIPER, Shirpur Organized jointly
<b>Venue</b>	Third floor Primary Health Care Hospital HRPIPER, Shirpur
<b>Date of activity</b>	13 <sup>th</sup> March 2024
<b>Event Coordinator</b>	Mr. N. P. Pawar
<b>Speaker Name</b>	-
<b>Objectives</b>	Discuss & verbalize the role of a basic healthcare provider Demonstrate techniques to maintain the personal hygiene needs of a patient, Practice infection control measures, Demonstrate the ability to perform clinical skills essential in providing basic healthcare services, Promote safety, understand usage of protective devices and demonstrate precautions to be taken while usage of Oxygen, Demonstrate Basic Life Support, Cardio Pulmonary Resuscitation and other actions in the event of medical and facility emergencies
<b>Number of Participant</b>	61
<b>Brief Report on activity</b>	The girl students visited the Primary Health Care Hospital located on the third floor of HRPIPER, Shirpur, where they underwent the General Duty Assistant Advanced Course conducted by the Government of India to facilitate employment opportunities. During the course, the students demonstrated their ability to perform essential clinical skills necessary for providing basic healthcare services. They also learned about promoting safety, understanding the usage of protective devices, and demonstrated precautions to be taken when using Oxygen, performing Basic Life Support, Cardio Pulmonary Resuscitation, and other necessary actions in the event of medical and facility emergencies.
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**Photograph  
Of activity**



**Outcome**

They gained a comprehensive understanding of safety promotion, proper utilization of protective equipment, and demonstrated adeptness in observing precautions while handling Oxygen, administering Basic Life Support, conducting Cardio Pulmonary Resuscitation, and managing various medical and facility emergencies.

*R. Pawar*  
Mr. N. P. Pawar  
Student Development Officer



*S. B. Bari*  
Dr. S. B. Bari  
Principal  
H.R. Patel Institute of Pharmaceutical  
Education & Research,  
Shirpur Dist Dhule (M.S.) 425 405



<b>Name of Activity</b>	<b>Guest lecture on Young Women and Social Media</b>
<b>Organizer</b>	Student Development Department of KBCNMU, Jalgaon, and HRPIPER, Shirpur Organized jointly
<b>Venue</b>	HRPIPER Seminar hall, Shirpur
<b>Date of activity</b>	16 <sup>th</sup> March 2024
<b>Event Coordinator</b>	Mr. N. P. Pawar
<b>Speaker Name</b>	<b>Dr. Vivekanand L. Chavan</b>
<b>Objectives</b>	Stress the importance of developing digital literacy skills and critical thinking abilities to navigate social media effectively. Encourage the audience to question content authenticity and recognize manipulation tactics.
<b>Number of Participant</b>	88
<b>Brief Report on activity</b>	A guest lecture was held on the topic of Young Women and Social Media. A guest lecturer for this Dr. Vivekanand L. Chavan sir was welcomed by the principal of the college Dr. S. B. Bari presented the bouquet. The direction of the lecture was steered by the students of Khopragade College, while gratitude was expressed by Prof. N. P. Pawar. The lecture was attended by first and second year B. Pharm girl students of the college. Dr. Vivekanand L. Chavan Showcased instances where social media serves as a tool for young women's empowerment, activism, and community-building. Highlighted successful campaigns and movements led by young women online.
<b>Photograph Of activity</b>	