

Course Description

BP 505 T. PHARMACEUTICAL JURISPRUDENCE (Theory)

45 Hours

Scope: This course is designed to impart basic knowledge on important legislations related to the profession of pharmacy in India.

Objectives: Upon completion of the course, the student shall be able to understand:

1. The Pharmaceutical legislations and their implications in the development and marketing of pharmaceuticals.
2. Various Indian pharmaceutical Acts and Laws
3. The regulatory authorities and agencies governing the manufacture and sale of pharmaceuticals
4. The code of ethics during the pharmaceutical practice

Course Content:

UNIT-I

10 Hours

Drugs and Cosmetics Act, 1940 and its rules 1945:

Objectives, Definitions, Legal definitions of schedules to the Act and Rules

Import of drugs – Classes of drugs and cosmetics prohibited from import, Import under license or permit. Offences and penalties.

Manufacture of drugs – Prohibition of manufacture and sale of certain drugs,

Conditions for grant of license and conditions of license for manufacture of drugs, Manufacture of drugs for test, examination and analysis, manufacture of new drug, loan license and repacking license.

UNIT-II

10 Hours

Drugs and Cosmetics Act, 1940 and its rules 1945.

Detailed study of Schedule G, H, M, N, P, T, U, V, X, Y, Part XII B, Sch F & DMR (OA)

Sale of Drugs – Wholesale, Retail sale and Restricted license. Offences and penalties

Labeling & Packing of drugs- General labeling requirements and specimen labels for drugs and cosmetics, List of permitted colors. Offences and penalties.

Administration of the Act and Rules – Drugs Technical Advisory Board, Central drugs Laboratory, Drugs Consultative Committee, Government drug analysts, Licensing authorities, controlling authorities, Drugs Inspectors

UNIT-III

10 Hours

- **Pharmacy Act –1948:** Objectives, Definitions, Pharmacy Council of India; its constitution and functions, Education Regulations, State and Joint state pharmacy councils; constitution and functions, Registration of Pharmacists, Offences and



Penalties

- **Medicinal and Toilet Preparation Act –1955:** Objectives, Definitions, Licensing, Manufacture In bond and Outside bond, Export of alcoholic preparations, Manufacture of Ayurvedic, Homeopathic, Patent & Proprietary Preparations. Offences and Penalties.
- **Narcotic Drugs and Psychotropic substances Act-1985 and Rules:** Objectives, Definitions, Authorities and Officers, Constitution and Functions of narcotic & Psychotropic Consultative Committee, National Fund for Controlling the Drug Abuse, Prohibition, Control and Regulation, opium poppy cultivation and production of poppy straw, manufacture, sale and export of opium, Offences and Penalties

UNIT-IV

08 Hours

- **Study of Salient Features of Drugs and Magic Remedies Act and its rules:** Objectives, Definitions, Prohibition of certain advertisements, Classes of Exempted advertisements, Offences and Penalties
- **Prevention of Cruelty to animals Act-1960:** Objectives, Definitions, Institutional Animal Ethics Committee, CPCSEA guidelines for Breeding and Stocking of Animals, Performance of Experiments, Transfer and acquisition of animals for experiment, Records, Power to suspend or revoke registration, Offences and Penalties
- **National Pharmaceutical Pricing Authority:** Drugs Price Control Order (DPCO)-2013. Objectives, Definitions, Sale prices of bulk drugs, Retail price of formulations, Retail price and ceiling price of scheduled formulations, National List of Essential Medicines (NLEM)

UNIT-V

07 Hours

- **Pharmaceutical Legislations** – A brief review, Introduction, Study of drugs enquiry committee, Health survey and development committee, Hathi committee and Mudaliar committee
- **Code of Pharmaceutical ethics** Definition, Pharmacist in relation to his job, trade, medical profession and his profession, Pharmacist's oath
- **Medical Termination of Pregnancy Act**
- **Right to Information Act**
- **Introduction to Intellectual Property Rights (IPR)**

Recommended books: (Latest Edition)

1. Forensic Pharmacy by B. Suresh



BP606TPHARMACEUTICAL QUALITY ASSURANCE (Theory)

45 Hours

Scope: This course deals with the various aspects of quality control and quality assurance aspects of pharmaceutical industries. It deals with the important aspects like cGMP, QC tests, documentation, quality certifications and regulatory affairs.

Objectives: Upon completion of the course student shall be able to:

- understand the cGMP aspects in a pharmaceutical industry
- appreciate the importance of documentation
- understand the scope of quality certifications applicable to pharmaceutical industries
- understand the responsibilities of QA & QC departments

Course content:

UNIT – I

10 Hours

Quality Assurance and Quality Management concepts: Definition and concept of Quality control, Quality assurance and GMP

Total Quality Management (TQM): Definition, elements, philosophies

ICH Guidelines: purpose, participants, process of harmonization, Brief overview of QSEM, with special emphasis on Q-series guidelines, ICH stability testing guidelines

Quality by design (QbD): Definition, overview, elements of QbD program, tools

ISO 9000 & ISO14000: Overview, Benefits, Elements, steps for registration

NABL accreditation : Principles and procedures

UNIT - II

10 Hours

Organization and personnel: Personnel responsibilities, training, hygiene and personal records.

Premises: Design, construction and plant layout, maintenance, sanitation, environmental control, utilities and maintenance of sterile areas, control of contamination.

Equipments and raw materials: Equipment selection, purchase specifications, maintenance, purchase specifications and maintenance of stores for raw materials.

UNIT – III

10 Hours

Quality Control: Quality control test for containers, rubber closures and secondary packing



materials.

Good Laboratory Practices: General Provisions, Organization and Personnel, Facilities, Equipment, Testing Facilities Operation, Test and Control Articles, Protocol for Conduct of a Nonclinical Laboratory Study, Records and Reports, Disqualification of Testing Facilities

UNIT – IV

08 Hours

Complaints: Complaints and evaluation of complaints, Handling of return good, recalling and waste disposal.

Document maintenance in pharmaceutical industry: Batch Formula Record, Master Formula Record, SOP, Quality audit, Quality Review and Quality documentation, Reports and documents, distribution records.

UNIT – V

07 Hours

Calibration and Validation: Introduction, definition and general principles of calibration, qualification and validation, importance and scope of validation, types of validation, validation master plan. Calibration of pH meter, Qualification of UV-Visible spectrophotometer, General principles of Analytical method Validation.

Warehousing: Good warehousing practice, materials management

Recommended Books: (Latest Edition)

1. Quality Assurance Guide by organization of Pharmaceutical Products of India.
2. Good Laboratory Practice Regulations, 2nd Edition, Sandy Weinberg Vol. 69.
3. Quality Assurance of Pharmaceuticals- A compendium of Guide lines and Related materials Vol I WHO Publications.
4. A guide to Total Quality Management- Kushik Maitra and Sedhan K Ghosh
5. How to Practice GMP's – P P Sharma.
6. ISO 9000 and Total Quality Management – Sadhank G Ghosh
7. The International Pharmacopoeia – Vol I, II, III, IV- General Methods of Analysis and Quality specification for Pharmaceutical Substances, Excipients and Dosage forms
8. Good laboratory Practices – Marcel Deckker Series
9. ICH guidelines, ISO 9000 and 14000 guidelines




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BP 703T. PHARMACY PRACTICE (Theory)

45 Hours

Scope: In the changing scenario of pharmacy practice in India, for successful practice of Hospital Pharmacy, the students are required to learn various skills like drug distribution, drug information, and therapeutic drug monitoring for improved patient care. In community pharmacy, students will be learning various skills such as dispensing of drugs, responding to minor ailments by providing suitable safe medication, patient counselling for improved patient care in the community set up.

Objectives: Upon completion of the course, the student shall be able to

1. know various drug distribution methods in a hospital
2. appreciate the pharmacy stores management and inventory control
3. monitor drug therapy of patient through medication chart review and clinical review
4. obtain medication history interview and counsel the patients
5. identify drug related problems
6. detect and assess adverse drug reactions
7. interpret selected laboratory results (as monitoring parameters in therapeutics) of specific disease states
8. know pharmaceutical care services
9. do patient counseling in community pharmacy;
10. appreciate the concept of Rational drug therapy.

Unit I:

10 Hours

a) Hospital and it's organization

Definition, Classification of hospital- Primary, Secondary and Tertiary hospitals, Classification based on clinical and non- clinical basis, Organization Structure of a Hospital, and Medical staffs involved in the hospital and their functions.

b) Hospital pharmacy and its organization

Definition, functions of hospital pharmacy, Organization structure, Location, Layout and staff requirements, and Responsibilities and functions of hospital pharmacists.

c) Adverse drug reaction

Classifications - Excessive pharmacological effects, secondary pharmacological effects, idiosyncrasy, allergic drug reactions, genetically determined toxicity, toxicity following sudden withdrawal of drugs, Drug interaction- beneficial interactions, adverse interactions, and pharmacokinetic drug interactions, Methods for detecting



drug interactions, spontaneous case reports and record linkage studies, and Adverse drug reaction reporting and management.

d) Community Pharmacy

Organization and structure of retail and wholesale drug store, types and design, Legal requirements for establishment and maintenance of a drug store, Dispensing of proprietary products, maintenance of records of retail and wholesale drug store.

Unit II:

10 Hours

a) Drug distribution system in a hospital

Dispensing of drugs to inpatients, types of drug distribution systems, charging policy and labelling, Dispensing of drugs to ambulatory patients, and Dispensing of controlled drugs.

b) Hospital formulary

Definition, contents of hospital formulary, Differentiation of hospital formulary and Drug list, preparation and revision, and addition and deletion of drug from hospital formulary.

c) Therapeutic drug monitoring

Need for Therapeutic Drug Monitoring, Factors to be considered during the Therapeutic Drug Monitoring, and Indian scenario for Therapeutic Drug Monitoring.

d) Medication adherence

Causes of medication non-adherence, pharmacist role in the medication adherence, and monitoring of patient medication adherence.

e) Patient medication history interview

Need for the patient medication history interview, medication interview forms.

f) Community pharmacy management

Financial, materials, staff, and infrastructure requirements.

Unit III:

10 Hours

a) Pharmacy and therapeutic committee

Organization, functions, Policies of the pharmacy and therapeutic committee in including drugs into formulary, inpatient and outpatient prescription, automatic stop order, and emergency drug list preparation.

b)

information services

Drug



Drug and Poison information centre, Sources of drug information, Computerised services, and storage and retrieval of information.

c) Patient counseling

Definition of patient counseling; steps involved in patient counseling, and Special cases that require the pharmacist

d) Education and training program in the hospital

Role of pharmacist in the education and training program, Internal and external training program, Services to the nursing homes/clinics, Code of ethics for community pharmacy, and Role of pharmacist in the interdepartmental communication and community health education.

e) Prescribed medication order and communication skills

Prescribed medication order- interpretation and legal requirements, and Communication skills- communication with prescribers and patients.

Unit IV 8 Hours

a) Budget preparation and implementation

Budget preparation and implementation

b) Clinical Pharmacy

Introduction to Clinical Pharmacy, Concept of clinical pharmacy, functions and responsibilities of clinical pharmacist, Drug therapy monitoring - medication chart review, clinical review, pharmacist intervention, Ward round participation, Medication history and Pharmaceutical care.

Dosing pattern and drug therapy based on Pharmacokinetic & disease pattern.

c) Over the counter (OTC) sales

Introduction and sale of over the counter, and Rational use of common over the counter medications.

Unit V 7 Hours

a) Drug store management and inventory control

Organisation of drug store, types of materials stocked and storage conditions, Purchase and inventory control: principles, purchase procedure, purchase order, procurement and stocking, Economic order quantity, Reorder quantity level, and Methods used for the analysis of the drug expenditure

b) Investigational use of drugs



Description, principles involved, classification, control, identification, role of hospital pharmacist, advisory committee.

c) Interpretation of Clinical Laboratory Tests

Blood chemistry, hematology, and urinalysis

Recommended Books (Latest Edition):

1. Merchant S.H. and Dr. J.S.Quadry. *A textbook of hospital pharmacy*, 4th ed. Ahmadabad: B.S. Shah Prakakshan; 2001.
2. Parthasarathi G, Karin Nyfort-Hansen, Milap C Nahata. *A textbook of Clinical Pharmacy Practice- essential concepts and skills*, 1st ed. Chennai: Orient Longman Private Limited; 2004.
3. William E. Hassan. *Hospital pharmacy*, 5th ed. Philadelphia: Lea & Febiger; 1986.
4. Tipnis Bajaj. *Hospital Pharmacy*, 1st ed. Maharashtra: Career Publications; 2008.
5. Scott LT. *Basic skills in interpreting laboratory data*, 4th ed. American Society of Health System Pharmacists Inc; 2009.
6. Parmar N.S. *Health Education and Community Pharmacy*, 18th ed. India: CBS Publishers & Distributers; 2008.

Journals:

1. Therapeutic drug monitoring. ISSN: 0163-4356
2. Journal of pharmacy practice. ISSN : 0974-8326
3. American journal of health system pharmacy. ISSN: 1535-2900 (online)
4. Pharmacy times (Monthly magazine)




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BP 802T SOCIAL AND PREVENTIVE PHARMACY

Hours: 45

Scope:

The purpose of this course is to introduce to students a number of health issues and their challenges. This course also introduced a number of national health programmes. The roles of the pharmacist in these contexts are also discussed.

Objectives:

After the successful completion of this course, the student shall be able to:

- Acquire high consciousness/realization of current issues related to health and pharmaceutical problems within the country and worldwide.
- Have a critical way of thinking based on current healthcare development.
- Evaluate alternative ways of solving problems related to health and pharmaceutical issues

Course content:

Unit I:

10 Hours

Concept of health and disease: Definition, concepts and evaluation of public health. Understanding the concept of prevention and control of disease, social causes of diseases and social problems of the sick.

Social and health education: Food in relation to nutrition and health, Balanced diet, Nutritional deficiencies, Vitamin deficiencies, Malnutrition and its prevention.

Sociology and health: Socio cultural factors related to health and disease, Impact of urbanization on health and disease, Poverty and health

Hygiene and health: personal hygiene and health care; avoidable habits

Unit II:

10 Hours

Preventive medicine: General principles of prevention and control of diseases such as cholera, SARS, Ebola virus, influenza, acute respiratory infections, malaria, chicken guinea, dengue, lymphatic filariasis, pneumonia, hypertension, diabetes mellitus, cancer, drug addiction-drug substance abuse

Unit III:

10 Hours

National health programs, its objectives, functioning and outcome of the following: HIV AND AIDS control programme, TB, Integrated disease surveillance program (IDSP), National leprosy control programme, National mental health program, National



programme for prevention and control of deafness, Universal immunization programme, National programme for control of blindness, Pulse polio programme.

Unit IV:

08 Hours

National health intervention programme for mother and child, National family welfare programme, National tobacco control programme, National Malaria Prevention Program, National programme for the health care for the elderly, Social health programme; role of WHO in Indian national program

Unit V:

07 Hours

Community services in rural, urban and school health: Functions of PHC, Improvement in rural sanitation, national urban health mission, Health promotion and education in school.

Recommended Books (Latest edition):

1. Short Textbook of Preventive and Social Medicine, Prabhakara GN, 2nd Edition, 2010, ISBN: 9789380704104, JAYPEE Publications
2. Textbook of Preventive and Social Medicine (Mahajan and Gupta), Edited by Roy Rabindra Nath, Saha Indranil, 4th Edition, 2013, ISBN: 9789350901878, JAYPEE Publications
3. Review of Preventive and Social Medicine (Including Biostatistics), Jain Vivek, 6th Edition, 2014, ISBN: 9789351522331, JAYPEE Publications
4. Essentials of Community Medicine—A Practical Approach, Hiremath Lalita D, Hiremath Dhananjaya A, 2nd Edition, 2012, ISBN: 9789350250440, JAYPEE Publications
5. Park Textbook of Preventive and Social Medicine, K Park, 21st Edition, 2011, ISBN-14: 9788190128285, BANARSIDAS BHANOT PUBLISHERS.
6. Community Pharmacy Practice, Ramesh Adepu, BSP publishers, Hyderabad

Recommended Journals:

1. Research in Social and Administrative Pharmacy, Elsevier, Ireland




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BP803ET. PHARMA MARKETING MANAGEMENT (Theory)

45 Hours

Scope:

The pharmaceutical industry not only needs highly qualified researchers, chemists and, technical people, but also requires skilled managers who can take the industry forward by managing and taking the complex decisions which are imperative for the growth of the industry. The Knowledge and Know-how of marketing management groom the people for taking a challenging role in Sales and Product management.

Course Objective: The course aims to provide an understanding of marketing concepts and techniques and their applications in the pharmaceutical industry.

Unit I

10 Hours

Marketing:

Definition, general concepts and scope of marketing; Distinction between marketing & selling; Marketing environment; Industry and competitive analysis; Analyzing consumer buying behavior; industrial buying behavior.

Pharmaceutical market:

Quantitative and qualitative aspects; size and composition of the market; demographic descriptions and socio-psychological characteristics of the consumer; market segmentation & targeting. Consumer profile; Motivation and prescribing habits of the physician; patients' choice of physician and retail pharmacist. Analyzing the Market; Role of market research.

Unit II

10 Hours

Product decision:

Classification, product line and product mix decisions, product life cycle, product portfolio analysis; product positioning; New product decisions; Product branding, packaging and labeling decisions, Product management in pharmaceutical industry.

Unit III

10 Hours

Promotion:

Methods, determinants of promotional mix, promotional budget; An overview of personal selling, advertising, direct mail, journals, sampling, retailing, medical exhibition, public relations, online promotional techniques for OTC Products.



Unit IV

10 Hours

Pharmaceutical marketing channels:

Designing channel, channel members, selecting the appropriate channel, conflict in channels, physical distribution management: Strategic importance, tasks in physical distribution management.

Professional sales representative (PSR):

Duties of PSR, purpose of detailing, selection and training, supervising, norms for customer calls, motivating, evaluating, compensation and future prospects of the PSR.

Unit V

10 Hours

Pricing:

Meaning, importance, objectives, determinants of price; pricing methods and strategies, issues in price management in pharmaceutical industry. An overview of DPCO (Drug Price Control Order) and NPPA (National Pharmaceutical Pricing Authority).

Emerging concepts in marketing:

Vertical & Horizontal Marketing; Rural Marketing; Consumerism; Industrial Marketing; Global Marketing.

Recommended Books: (Latest Editions)

1. Philip Kotler and Kevin Lane Keller: Marketing Management, Prentice Hall of India, New Delhi
2. Walker, Boyd and Larreche : Marketing Strategy- Planning and Implementation, Tata MC GrawHill, New Delhi.
3. Dhruv Grewal and Michael Levy: Marketing, Tata MC Graw Hill
4. Arun Kumar and N Menakshi: Marketing Management, Vikas Publishing, India
5. Rajan Saxena: Marketing Management; Tata MC Graw-Hill (India Edition)
6. Ramaswamy, U.S & Nanakamari, S: Marketing Management: Global Perspective, Indian Context, Macmillan India, New Delhi.
7. Shanker, Ravi: Service Marketing, Excell Books, New Delhi
8. Subba Rao Changanti, Pharmaceutical Marketing in India (GIFT – Excel series) Excel Publications.



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T115 Hospital and Community Pharmacy
Duration: 3Hrs/week

Section -I	
TOPICS	Hrs.
1) Hospitals- Classification, functions, Organization administration governing body and management, medical staff, clinical departments, support service, dietetic service, nursing service, medical records department, pathology service, Blood bank, radiology, medical social service departments, anesthesia service, Central service department, Hospital contractual relations, contract management, Health maintenance Organization.	04
2) Hospital Pharmacy: History and Development	
3) Duties and Responsibilities of Hospital Pharmacist	01
4) Pharmacy and Therapeutic Committee: Purpose of committee, committee name, membership, frequency of meeting, the committee agenda, functions of the committee, Generic vs. brand named drugs, Evaluation of drugs, Recommended reference materials, recommendations, committees role in the adverse drug reaction program, Drug experience reporting, Automatic stop order for dangerous drugs, committees role in developing emergency drug list.	02 05
5) Hospital Formulary: Format and appearance of the formulary, distribution of the formulary, keeping the formulary current, use of non-formulary drugs, (PPI), the legal basis of the formulary system, Anti substitution laws and the formulary, preparation of the formulary, formulary vs. Drug catalogue or list, selection of guiding for admission or deletion of drug, contains, prescription writing, format, size, loose-leaf vs. bound, publication, formulary drug listing service formulary drug listing service preparation, categorizing and indexing, sample pharmacologic index, text, specialty formularies.	05
6) Organization and Personnel: Pharmacy specialist, drug information specialists, pharmacy education, job Descriptions, Determining the departmental staffs-professional, departmental staffs-lay personal, ofessional service s Rendered, Charting of pharmacy organization, personal in organized health care setting, control of personnel, Hiring of pharmacists, women in pharmacy, Salaries,	05
Section II	
7) Purchasing procedure and Inventory control: Procurement: Drug selection, purchasing authority, responsibility and control, role of purchasing agent in drug procurement, role of pharmacist in drug procurement, purchasing procedure, control on purchases, quality of drug, Discounts, central storage vs. pharmacy storage, storeroom arrangement, shelf stripping and floor-marking, marking of merchandise, control of dated or perishable inventory, taking of physical inventory, the perpetual inventory, material management.	03
8) Dispensing of Controlled Substances: Comprehensive Drug abuse prevention and control Act of 1970, authority of control, schedules for controlled substances, Registration Requirements, registration Exemption for hospital house staff, separate registration for independent activities, separate registrations for separate location, exemption of agent and employees, Times for application for registration, expiration of registration, application forms, modification in registration, inventory requirements, perceptions, offenses and penalties, labeling and packaging requirements, model sets of hospital controlled sustenance's regulations, Miscellaneous regulations, control of narcotics by nurses, narcotics delivery to nursing station, protocol for reporting drug abuse or diversion, other systems, specials uses.	04
9) Techniques in radio pharmacy and clinical applications of radiopharmaceuticals: Introduction to particulate radiation, half life, therapeutic and diagnostic radiopharmaceuticals, facilities required, protection of operators, preparation of radiopharmaceuticals kits.	02
10) Use of Computers in Hospital: Terminology, program criteria, managing computers systems development ASHP technical assistant bulletin on hospital Drug Distribution and control, Impact of the computer on dispensing time, model computer regulations.	02
11) Pharmacist and community pharmacy	01
12) Community health care concepts, levels and systems. Health policy, health team, health promotion, education and rehabilitation, public health.	03
13) Health program in India:- National health programs- AIDS, Tuberculosis and child health.	03
14) Practice of patient education and counseling:- Objectives, methods, qualities for successful counseling, barriers and outcome of patient counseling, barriers and outcome of patient counseling, medical compliance and patient information leaflets-content, design and layouts, advisory labels.	04
Total no. of lectures	22
otal Hrs:	45

Books Recommended:

Merchant & Qadry, Text book of Hospital Pharmacy - (B.S. Shah Prakashan)

Hassan, Hospital Pharmacy (Lea and Febiger)



Parmar N S, Health education and Community Pharmacy
WHO consultative group report
Robin J Harman, Hand book of Pharmacy (The Pharmaceutical Press)
Winfield, Richards-- Pharmaceutical Practice

T245 Unit Operation-I (Theory)

TOPICS	Hrs.
1) Fluid flow: Fluid status, mechanism of fluid flow, Bernoulli's theorem, fluid heads, fluid handling	04
2) Handling and Conveying: Solids: portable power driven machines, trucks, trailers, power shovels, gantry cranes. Permanent installations for handling solids, conveyors-belt, chain, screw and pneumatic conveyors. Fluids: pumps, pipes and fittings, valves, pipe connections. Application in pharmacy e.g. In water management and handling of liquid dosage forms.	05
3) Boilers: Main parts, mountings and accessories- industrial boilers including cochams, babcock Wilcox and Lancashire.	04
4) Material Technology: Corrosion: Mechanism of corrosion, types of corrosion and ageing, factors influencing corrosion and method of combating corrosion. Material of Construction: Classification in to metals and nonmetals. Ferrous and nonferrous metals. Ferrous- cast iron, mild steel, stainless steel. Nonferrous- copper & alloys, nickel alloys, aluminium. Nonmetals: glass & plastic, types of plastics. Polyvinyl chloride, polystyrene, polyethylene, polypropylene, nylon, polyester, epoxy, polycarbonate, uses of materials of construction in the design of Pharma packaging.	07
5) Fluidization: Theory of Fluidization, Application of fluidization in pharmacy in the areas of powder handling, agglomeration, drying and coating.	03

SECTION-II

1) Water purification:- Deionization, reverse osmosis and distillation processes and large scale for mfg.	05
2) Environmental control:- air handling , air conditioning ,refrigeration , water vapour - air mixture ,humidity and particulates in air refrigeration , application of environmental control in pharma department like powder , Tablets and capsules.	06
3) Measurements :- a) Pressure: - Classification & description of various pressure measuring devices. b) Temperature: - Various direct & indirect (remote) methods use mechanical & electrical principles	04
4) Maintenance: Objective, prevention and corrective maintenance, Maintenance record keeping, Maintenance of machineries and equipments in pharmaceutical department such as- mills, micropulvizer, sifters, mixers, homogenizers, granulators, compression equipments , coating equipments, packaging equipments, balances, pH meter.	04
5) Safety :- Hazards & their classification - mechanical, fire, chemical & occupational, their types & prevention, fire & explosion - Chemistry of fire, classification of fire, method of extinguishing accidents - unsafe actions, unsafe conditions, financial losses, costs prevention. Accidents safety training & education.	03

Total Hours: 45

Books Recommended

- 1) **K. Sambamurthy--** Pharmaceutical Engineering, New Age International Pvt. Ltd.
- 2) **W.L.Badger & J. T. Banthero--** Introduction to Chemical Engineering.
- 3) **David Ganderton. ---** Unit Process in Pharmacy, Medical Books Ltd. London
- 4) **G.G. Brown---** Unit Operations.
- 5) **Robbert H. Perry, Don W, Green.---**Perry's Chemical Engineering Hand Book, 7th edition, International Edition, McGraw Hill
- 6) **B.H. Deshamukh., P. V. Mondke.---**Elements of Mechanical & Electrial Technology, Nirali Publications
- 7) **N. D. Bhat---**Machine Drawing, Character Book Stall, Tulsi Sadan, Anand.
- 8) **N.G.Padya., C.S.Shaha---** Elements of Heat Engines, Charotar Book Stall, Tulsi Sadan, Anand (W. Rly), India.
- 9) **Donald P. Eckman ---** Industrial Instrumentation , Seventh Wiley Eastern, Reprint, 1983, Wiley Eastern Ltd, 4835/24, Ansari Road, Daryaganj, New Delhi 110 002.



Seen
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	procedures	
7	Medicinal and Toilet Preparation (Excise Duties) Act 1955 , and Rules 1956 Definition ;Bonded Manufactory ; Non-bonded manufactory	04
8	The Industries (Development And Regulations) Act,1952 Aim and salient features of act	02
9	Drug Price control Order 1995 Historical background ; essential commodities act ; relevant provisions ;; applicability to imported drugs and indigenously manufactured drugs; definition; prizes to Wholesale and retailer , Maximum allowable post manufacturing expenses MAP, Penal provision <u>Calculation of Retail price</u>	03
10	Consumer Protection Act ,1986 Definition; Consumer protection councils ; Consumer disputes redressal agencies	03
Total Hrs-		45

Books Recommended:

- 1 Drugs and Cosmetic Act and rules, 3rd Edition, by S.W. Deshpande and Nilesh Gandhi, Sumit Publishers, Mumabai,2004
- 2 Drugs and Cosmetic Act, 1940 by Vijay malik, Eastern Book Company, Lucknow, 2002
- 3 Text Book of Forensic Pharmacy by C.K. Kokate and S.B. Gokhale, Pharma Book Syndicate, 2006
- 4 Forensic Pharmacy, 4th Edition, by B. S. Kuchekar, A.M. Khadatare and S.C. Itkar, Nirali Prakashan, Pune,2004
- 5 Hand Book of Drug Laws, 10th Edition by M.L. Mehra, Universal Law Publishing Company, Delhi, 2005




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T476 Forensic Pharmacy (Theory)
(3hr/week)

Sr. no.	Topics	Hours
Section -I		
1	Pharmaceutical Legislation in India : A brief review	02
2.	Pharmacy Act – 1948 <ul style="list-style-type: none"> ▪ Pharmacy council of India : constitution, functions and power , ▪ Education regulation ; ▪ The central register of pharmacist ; Registration in central register 	05
3	Drug and Cosmetics Act ,1940 and Rules In 1945 <ul style="list-style-type: none"> ▪ Definition ▪ Drugs Technical Advisory board , Drug consultative committee central drug laboratory – composition and functions ▪ Import of Drugs and cosmetics ▪ Manufacturing, sales and distribution of drugs and cosmetics ▪ Prohibition relating to Ayurvedic , Siddha and Unani drugs 	11
4	Drug and magic remedies act 1954 Definition , official duties and penalties	05
Section-II		
5	Narcotic and Psychotropic Substance Act 1985 Historical background of opium act and dangerous drug act. <u>Prohibition and penalties under NDPS Act 1985</u>	05
6	Prevention of Food Adulteration Act 1954 And Rules 1955 <ul style="list-style-type: none"> ▪ Definition ▪ Central board of food standard ▪ Central food laboratory ▪ Composition and functions ▪ Public analyst –qualification duties ▪ Food inspector –qualification ,powers , duties ,sampling 	05




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T486 Pharmaceutical Management and Drug Regulatory Affairs (Theory)

3 hrs / week

Sr.no.	Topic	Hours
Section -I		
1	Introduction to Management Types of management Basic concepts of management Management process , function and principles Levels of management Pharmaceutical Management –Art , science or profession Social responsibilities of management Functions of management	04
2	Planning , and Forecasting Planning Nature ,process and types of planning Steps in planning process Planning premises Advantages and limitations of planning Management by Objective Meaning ,objective ,features , advantages and limitations Forecasting Meaning , nature importance limitations Techniques of forecasting	06
3	Organization Definition , nature , Theories , functions Line and staff organization concepts	04
4	Communication Nature, Types of communication Process, channels and barriers of communication Importance in pharmaceutical industries Limitations of communications	04
5	Marketing research , New product selection , product management , advertising	04
Section –II		
6	Leadership and Motivation Leadership Meaning, nature , leadership styles , theories of leadership Motivation Meaning, nature , importance , theories of motivation	05
7	Human Resource and Development (HRD) Definition , HRD methods , HRD process , HRD in Indian industry	03
8	GATT((General Agreement on Tariff and Trade) and its impact on pharmaceutical industry: GATT History of GATT, Its impact on pharmaceutical industry, Pharmaceutical market in India	05
9	World Trade Organization (WTO) and Trade Related Intellectual Property Rights (TRIPS) Introduction to WTO Types of intellectual property rights: Industrial property and copy rights	05




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	Indian Patent Acts, 1970 with amendment -2002 Definition , types of patents	
10	Standard Institutions and Regulatory Authorities Bureau of Indian standards (BIS) International Organization for Standardization (ISO). United States of Food and Drug Administration (USFDA) Central Drug Standard Control Organization (CDSCO) International Conference on Harmonization (ICH); World Health Organization (WHO)	05
	Total number of lectures	45

Books Recommended:

- 1) Management a Global Perspective by Heinz Weihrich and Harold Koontz; 10th edition; Mc Graw Hills, New Jersey 1994.
- 2) Management Theory and Practice by C.B. Gupta ; 9th edition ; Sultan Chand and Sons Educational publishers , New Delhi 2006.
- 3) What every one should know about patents? by N. Subbaram ; 2nd edition Pharma Book syndicate , Hyderabad 2003
- 4) Human Resource management A contemporary Perspective by Ian Beardwell , len Holden ,1st edition Mac Millan Indian Ltd New Delhi 2001
- 5) Forensic Pharmacy by B.S. Kuchekar et.al; Nirali Prakashan, Pune 4th edition 2004.



(Signature)
PRINCIPAL
 H.R Patel Institute of Pharmaceutic
 Education & Research
 Shirpur Dist.Dhule(M.S) 425 405

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

Name of Activity	15 August 2023
Organizer	H.R.P.I.P.E.R.
Venue	R.C.P.I.P.E.R. College Shirpur ,
Name of Speaker With contact details	SES Secretary & Principal Teaching non-Teaching Staff.
Date of activity	15/08/2023
Objectives	The celebration of August 15 honors India's independence, marking the end of British rule in 1947. It serves to remember the sacrifices of freedom fighters and to inspire unity and patriotism among citizens.
In charge	Principal, H. R.P.I.P.E.R. and Director of Physical Education
Number of Participant	Students- 69 Boy. 43 – Girls 26 Teachers -39
Brief Report on activity	On August 15, our College organized a vibrant celebration to commemorate India's Independence Day. The event began with the flag-hoisting ceremony, led by the chief guest, followed by the singing of the national anthem, which filled everyone with pride and patriotism. Students performed a series of cultural activities, including patriotic songs, dances, and skits highlighting India's struggle for freedom and the sacrifices of our freedom fighters. Speeches were given by students and teachers, emphasizing the importance of independence and the responsibilities that come with it. The event concluded with a vote of thanks and distribution of sweets, leaving everyone inspired to contribute positively to the nation.
Photograph Of activity	 
Outcome	The celebration of August 15 fosters a sense of patriotism and unity among participants, deepening their appreciation for India's freedom and heritage.

Y. Narvekar
Physical Director

S. B. Bari
Principal

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Education & Research,
Shirpur Dist Dhule (M.S.) 425 405

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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

Submitted to

The Principal,

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

Name of Activity	Ayurveda Camp
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	Central Library
Date of activity	25/08/23
Objectives	Maintenance and promotion of health, prevention of disease and cure of sickness. Ayurveda's aim is to maintain an equilibrium between body, mind, and soul to increase immunity and enable the body to develop the ability to fight and cure diseases. It helps to repair the body parts and tissues that may have been impacted due to the disease and the corresponding imbalance caused.
Guest	Dr. Kuldeep Raj Kohli Ex. Director of Ayush for the Government of Maharashtra
In charge	Mr. Ketan B. Patil NSS program officer and Ms. Rajshri T. Dhole Assistant NSS program officer
Number of Participant	15
Brief Report on activity	An Ayurveda Camp is a health and wellness event that focuses on the ancient Indian system of medicine known as Ayurveda. Typically organized in community settings or wellness retreats, these camps aim to promote holistic well-being by offering traditional Ayurvedic therapies, consultations, and educational sessions. Participants have the opportunity to engage with experienced Ayurvedic practitioners who assess their individual constitutions (doshas) and provide personalized recommendations for diet, lifestyle, and herbal remedies. Ayurveda, rooted in a holistic approach to health, emphasizes the balance of mind, body, and spirit. The camp often includes activities such as yoga, meditation, and workshops on Ayurvedic principles, fostering a comprehensive understanding of this natural healing system. Attendees gain insights into preventive healthcare, herbal treatments, and lifestyle practices that align with Ayurvedic principles, fostering a deeper connection with their overall well-being. Ayurveda Camps serve as immersive experiences that empower individuals to take an active role in enhancing their health and vitality through the timeless wisdom of Ayurveda.

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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



Outcome

Students were given information about their health concerns and were made aware of the significance of Ayurveda.

Principal
Principal

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Shirpur Dist Dhule (M.S.) 425 405

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Mr. A. nrisi Jhai R. Patel
President
(M.L.A.)

Prof. Dr. S. I. Bari
Principal
(M. Pharm. Ph.D.)

The Shirpur Education Society's

H. R. Patel Institute of

Pharmaceutical Education and Research

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जावक क्र. HRPIPER / 47 / 2023-24

दिनांक-31/08/2023

प्रती,
मा. विभागीय वन अधिकारी,
सामाजिक वनीकरण विभाग,
धुळे जिल्हा

विषय- इतर शासकीय यंत्रणा द्वारे वृक्ष लागवडीकरिता मोफत रोपांचा पुरवठा करणे बाबत....

महोदय,

मी.....Dr. Sanjaykumar B. Bari.....

जिल्हा यंत्रणा

प्रमुख प्रमाणित करतो की, शासन निर्णयानुसार वृक्ष लागवडीसाठी आमच्या यंत्रणेस Lanki या ठिकाणी.....50.....एवढे खड्डे खोदून ठेवलेले आहे. तरी वृक्ष लागवडीसाठी.....50.....रोपांची गरज आहे.

१. सदर रोपे शासकीय दारात घेण्याकरिता आमच्या यंत्रणे जवळ रोप लागवडी करिता अनुदान नाही.
२. सदर रोपे खरेदी करिता आम्ही / इतर स्रोतातून प्रयत्न केला परंतु निधी उपलब्ध झालेला नाही.
३. आमच्या कडे कार्यालय खर्च व इतर किरकोळ खर्चा करिता सुद्धा अनुदान उपलब्ध नाही.

करीता आम्हाला लागणारे . रोपे मोफत उपलब्ध करून देण्यात यावे ही विनंती.

उपलब्ध रोपे स्वतंत्र नोंद वही मध्ये नोंद घेतली जातील व वरिष्ठ कार्यालयास या बाबत फळविण्यात येईल.

दिनांक- 31/08/2023

स्थान- शिरपूर

आमला

डॉ. एस. बी. बारी

PRINCIPAL

H. R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S.) 425 405



o/c

Received
21/8/2023



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
Submitted to
The Principal,

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

Name of Activity	Tree Plantation
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	Boradi
Date of activity	09 September 2023.
Objectives	To generate awareness about the importance of environmental demands of plant in ecosystem and biodiversity
In charge	Mr. Ketan B. Patil NSS program officer and Ms. Rajshri T. Dhole Assistant NSS program officer
Number of Participant	15
Brief Report on activity	To make awareness about the importance of trees for the sustainable environment and initiate such responsibility among the students & staff, various medicinal plants were planted on 14th July 2022. Along with this, staff took the responsibility to take care of these plants. SES's H R Patel Institute of Pharmaceutical Education and Research Shirpur and Green Army together worked for the target of Crore plantations in 2023-24 helped in planting nearly 50 Plants at Mandal Shivar Tal. Shirpur. Participants: Total 15 Participants were present for Tree plantation.

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M.L.A.

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

Photograph
h
Of activity



Outcome

To make awareness about the importance of trees and initiate the responsibility to save the environment.


Principal

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Mr. Amrishbhai R. Patel
President
(M.L.A.)

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Principal
(M. Pharm. Ph.D.)

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सूचना

दि. ११/०९/२०२३

सर्व शिक्षक व शिक्षकेतर कर्मचार्यांना कळविण्यात येते कि, मा. शालेय शिक्षण मंत्री श्री. अमरीशभाई पटेल यांच्या वाढदिवसानिमित्त आपल्या महाविद्यालयात भव्य रक्तदान शिबिराचे आयोजन करण्यात आले आहे. तरी इच्छुकांनी दि. १४/०९/२०२३ रोजी सकाळी १०:०० वाजेला उपस्थित राहावे.

नोंद:

१. रक्तदात्याचे वय १८ किंवा १८ हून अधिक असावे.
२. रक्तदात्याचे वजन ५० किंवा ५० किलोहून अधिक असावे.
३. रक्तदात्याने या अगोदर किमान महिन्यापूर्वीपर्यंत रक्तदान केलेले नसावे.

NSS Officer

Mr. K. B. Patil

NSS PROGRAM OFFICER

H.r.patel Institute of Pharmaceutical
Education & Research

Shirpur Dist. Dhule (M.S) 425405

SD Officer

Mr. N. P. Pawar

Principal

Dr. S. B. Bari

PRINCIPAL

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Education & Research
Shirpur Dist. Dhule (M.S) 425405





Mr. Amrishbhai R. Patel
President
(M.L.A.)

Prof. Dr. S. B. Bari
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(M. Pharm. Ph.D.)

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सूचना

दि. ११/०९/२०२३

सर्व विद्यार्थ्यांना कळविण्यात येते कि, मा. शालेय शिक्षण मंत्री श्री. अमरीशभाई पटेल यांच्या वाढदिवसानिमित्त आपल्या महाविद्यालयात भव्य रक्तदान शिबिराचे आयोजन करण्यात आले आहे. तरी इच्छुकांनी दि. १४/०९/२०२३ रोजी सकाळी १०:०० वाजेला उपस्थित राहावे.

नोंद:

१. रक्तदात्याचे वय १८ किंवा १८ हून अधिक असावे.
२. रक्तदात्याचे वजन ५० किंवा ५० किलोहून अधिक असावे.
३. रक्तदात्याने या अगोदर किमान महिन्यापूर्वीपर्यंत रक्तदान केलेले नसावे.
४. इच्छुकांनी विद्यार्थ्यांनी आपले नाव वर्गशिक्षका १३/०९/२०२३ पर्यंत नोंदणी करावी.

NSS Officer

Mr. K. B. Patil

NSS PROGRAM OFFICER
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425405

SD Officer

Mr. N. P. Pawar



Principal

Dr. S. B. Bari

PRINCIPAL
H.R. Patel Institute of Pharmaceutical
Education & Research
Shirpur Dist. Dhule (M.S) 425405

Date :- 13/09/23

To,
Class Teacher
HRPIPER, Shirpur

Respected Mam/sir,

Sub:- For approving a leave for
Blood donation camp.

Respected Sir/Mam,

We, the students of Third year B Pham
(A & B Div). We request you to approve our
one day leave for attending a Blood donation
camp as a NSS Volunteer. It is our humble
request to consider our attendance.

Waiting for your positive reply.

Thanking you

Approved

* Name of students (NSS Volunteers)
Attending Blood Donation camp

13/9/23 Roll no Class

			Div
1-	Gureshi Huzaifa Sadique	33	(B)
2.	Patil Yashashri Samar	30	(B)
3.	Patil Harshada Ishwar	07	(B)
4.	Patil Prachi Bhaskar	16	(B)
5.	Makawana Khushi Sanjay	43	(A)
6.	Kachhava Sakshi Sanjay	35	(A)
7.	Mahajan Krishna Dilip	40	(A)
8)	Joshi Atharva Vijay	34	(A)
9)	Jadhav Rahul Sukhdere	32	(A)
10	Abhange Naresh Yularaj	01	(A)

leave granted

13/09/23
only for 10 students





The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical
Education & Research,
Shirpur (Dhule)
NSS/Cultural Committee
Student Development Department



The following staff and students were present for blood donation on occasion of Birthday of
Hon. Shri. Amrishbhai Patel On 14/09/23 at HRPIPER

S. N.	Name	Designation	Sign	
1	Sakshi Deepak Bharati	student		↓ HB
2	Tejaswi Deepak Bari	Student		↓ HB
3	Pankaj Jyoti Bhoi	Student		
4	Rohit madhukar Bayle	student		
5	Dr. N.B. Chaudhari	Staff		
6	Raj Chandrakant Patil	student		Underage
7	Jadhav Harsha	Staff		↓ HB
8	Karori Pravin [Haliwari]	Staff		↓ HB
9	Ms. Rajshree P. Shole	Staff		↓ HB
10	Mr. Vinod Patel	Staff		↓ HB
11	Hemraj B. Sonawane	Student		
12	Mr. Subhas Agey	Staff		
13	Mr. S.N. Jadhav	Staff		
14	Chaitan Rathi	Staff (A.P. Sec)		
15	Rohit Pawar	Student		
16	Meghalaj S. Patil	Student		
17	Kunal B. Patil	Student		
18	Gopal K. Mali	Student		
19	Prathmesh D. Deshmukh	Student		
20	Manishan Thakre	Student		
21	Payal Sugandhi	TR		
22	Patil Vinodhika Ramnand	1L Final yr.		↓ HB
23	Nikita Sopan Chaudhary	Student		
24	Vivek Shriyansh Shabharwal	TR		
25	Parasrampal Anil Dargasing	Staff		
26	Bhil Sunil Gokul	TR		
27	Pradip Chavan	Student		↓ HB
28	Raj Banjary	Student		↓ HB
29	Sanyukta N. Pawar	Student		↓ HB
30	Dr. Ganesh Bansri Patil	Staff		
31	Utkarsh Uttamrao Bhamare	Student		
32	Parasid Jagannath Rodge	Student		
33	Aadrika Kishor Bhodane	Student		↓ HB
34	Rohit Patil	Student		
35	Vishal Patil	Student		
36	Paran Shailendra Patil	Student		
37	Nilesh Sankar Kani	Student		
38	Akash Patil	Student		
39	Dr. Rahul Tade	Staff		

"We Support to share & explore the culture"



[illegible]

"We Support to share & explore the culture"



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

Name of Activity	Blood Donation Camp
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER
Date of activity	14/09/2023
Objectives	Support to Critical Patients: Blood donation camps are organized with the purpose of supplying blood to the blood banks for the need of patients suffering from cancer, hemophilia, and thalassemia or accident victims. It can help patients suffering from life-threatening conditions live longer and with a higher quality of life and supports complex medical and surgical procedures.
In charge	Mr. Ketan B. Patil NSS program officer and Ms. Rajshri T. Dhole Assistant NSS program officer
Number of Participant	75
Brief Report on activity	On September 14, 2022, a blood donation camp was held in honour of Hon. Amrishbhai Patel. 77 people, including employees and students, donated blood during this blood donation camp. This group project was planned to teach the pupils about social responsibility. Students from the NSS unit contributed to the event's smooth execution.



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M.L.A.

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

Photograph
Of activity



Outcome

A tremendous volume of blood was collected for the needy with the assistance of blood donors.

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

Name of Activity	"स्वच्छ भारत अभियाना" अंतर्गत "एक तारीख, एक तास, व एक साथ श्रमदान"
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER
Date of activity	01/10/2023.
Objectives	The day serves as a tribute to Mahatma Gandhi, the father of the nation.
In charge	Mr. Ketan B. Patil NSS program officer and Ms. Rajshri T. Dhole Assistant NSS program officer
Number of Participant	20
Brief Report on activity	National call for citizen-led 1 hour labor donation for cleanliness on October 1, 2023 at 10 am. Nine years ago, Prime Minister Shri Narendra Modi called for cleanliness in 2014. Citizens from all walks of life responded with great enthusiasm to take ownership for a clean India. On the occasion of Gandhi Jayanti, the Prime Minister has made a unique appeal to the countrymen to take action. On the eve of Babu's birth anniversary, all the students and teaching and non-teaching staff together gave 'Swachhanjali' to him. As per the theme Swachhta Hi Seva Abhiyaan, "On 1st October i.e. Sunday at 10 am a big program was organized on cleanliness. At that time, the students and teachers and non-teaching staff helped in this cleanliness drive from time to time, in which they cleaned the college premises.



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President :
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M.L.A.

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

Photograph
Of activity



औषधनिर्माणशास्त्र महाविद्यालयात स्वच्छता ही सेवा कार्यक्रम

■ शिरपूर । प्रतिनिधी

एच. आर. पटेल
औषधनिर्माण शास्त्र
महाविद्यालय, राष्ट्रीय सेवा
योजना विभाग तर्फे स्वच्छ
भारत अभियान अंतर्गत एक
तारीख, एक तास व एक
साथ श्रमदान कार्यक्रम साजरा
करण्यात आला.

स्वच्छ भारत अभियाना
अंतर्गत एक तारीख, एक तास,
एक साथ श्रमदान कार्यक्रमाच्या
माध्यमातून विद्यार्थ्यांनी आपल्या
वैयक्तिक स्वच्छतेसह, घर व
परिसर स्वच्छ ठेवून पालकांना
स्वच्छता कार्यात नेहमीच मदत
करावी. सोबतच सर्वांनी मनाची

स्वच्छता देखील करावी या
उत्की प्रमाणे आणि स्वच्छता
कार्य केवळ एक दिवसासाठी
न ठेवता सातत्यपूर्ण ठेवल्यास
आरोग्य स्वस्थ राहते, सोबतच
मन प्रसन्न राहते या प्रेरणेतून
आणि पंतप्रधान नरेंद्र मोदी
यांनी केलेल्या आवाहनानुसार
महाविद्यालयाच्या परिसरात
स्वच्छता मोहीम राबविण्यात
आली त्यातून महाविद्यालयाच्या
सभोवतालचा परिसर स्वच्छ
करण्यात आला. याप्रसंगी
प्राचार्य डॉ. एस. बी. बारी,
प्रा. पी. बी. निनावे, प्रा. राहुल
ताडे, प्रा. नारायण पवार,
केतन पाटील, एस. डी. बागुल
उपस्थित होते.

Outcome

As a result, swachhata became a national behavior and Swachh Bharat Mission became a household name.

Principal

H.R. Patel Institute of Pharmaceutical
Education & Research,

H. R. Patel Institute of Pharmaceutical Education and Research

NBA accredited B. Pharm Programme

'Serving Nation's Health'

Karwand Naka, Shirpur - 425405, Dist : Dhule (MS).

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The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical
Education & Research,
Shirpur (Dhule)
NSS/Cultural Committee
Student Development Department



The following staffs and students were present for the celebration of

"राज्यातील सेवा"

On 01/10/2023 at HRPIMER

S. N.	Name	Designation	Sign
1			
2	Dr. P. B. Ninave		
3	Mr. S. D. Bagul	Registrar	
4	R. M. Patil	R. M. Patil	pear
5	Mr. Zabiullah K. A. Khafik	Lecturer	
6	Mr. Dhamji C. Patil	Lab Assislt	
7	Mr. Narayan P. Pawar	Assistant prof.	
8	Dr. Rahul S. Tade	Dent prof.	
9	Mr. Vinod H. Patel	Librarian	
10	Mr. Y. B. Thakur	Phy. Director	
11	Jyotsna Nandkishor Jadhav	NSS Volunteer	
12	Sonawane Nivedita Yuvraj	-11-	
13	Roshni Atul Gujarathi	-11-	
14	Tejaswini Dattatray Shinde	-11-	
15	Pranjali manik sunawanshi	-11-	
16	Vrushali mahesh wani	-11-	
17	Saurav Bapusaheb Patil	-11-	
18	Patil Yashashri Samar	-11-	
19	Patil Harshada Ishwar	-11-	
20	Manome Ashish Subhash	-11-	
21	Magar chetana Sanjay	-11-	
22	Yeote Anuja Anand	-11-	
23	Abhange Nareb Yuvraj	-11-	
24	Mr. K. B. Patil	Assistant Prof	
25	Mr. M. R. Mahajan	-11-	
26	Mr. P. B. Hire	Registrar	
27	Gujarati mayeesi Anandkoo	nss volunteer	



"We Support to share & explore the culture"



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

Name of Activity	Social Awareness Rally on World AIDS Day
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER
Date of activity	1 st December 2023
Objectives	To raise awareness about HIV/AIDS among the community. The event aimed to disseminate crucial information regarding HIV prevention, treatment, and support. Through this collaborative effort, the participants sought to highlight the importance of collective action in combating the spread of HIV, emphasizing the role of education and community involvement in addressing the challenges posed by the epidemic.
In charge	Dr. Z. G. Khan
Number of Participant	105
Brief Report on activity	In a remarkable display of solidarity and commitment to raise awareness about HIV/AIDS, students of H. R. Patel Institute of Pharmacy, Shirpur orchestrated a vibrant rally on World AIDS Day. The event, held on 1st December 2023, brought together enthusiastic participants from the institute, joining hands to disseminate crucial information about HIV prevention, treatment, and support. The event's highlight was the presence of esteemed dignitaries, including the institute's Principal, Dr. S. B. Bari Sir, and Dr. P. B. Nin Ninave, and distinguished guests Dr. D. R. Patil Sir and Dr. Shidkhedkar Sir. Their participation underscored the significance of collaborative efforts in combating the spread of HIV and promoting awareness.
Photograph Of activity	



The Shirpur Education Society's

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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.

	<div><p>Social Awareness Rally Organized by IQAC and Department of Pharmaceutical Chemistry On Occasion of – World AIDS Day Theme: “Let Communities Lead” Date: 01 December 2023 Time: 10:00 am</p></div> <div></div> <div><p>Shirpur Education Society's H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur Dist. Dhule (NBA re-accredited 2022-2025, ISO 9001:2008 Certified) (NIRF 2020: Pharmacy Rank Band: 76-100)</p></div>
Outcome	<p>The event effectively disseminated crucial information on HIV prevention, treatment, and support. By fostering a collaborative environment, the rally highlighted the importance of collective action in addressing the challenges posed by the epidemic, emphasizing the role of education and community involvement in combating the spread of HIV and promoting greater awareness and understanding.</p>




Dr. S. B. Bari
Principal

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

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

Principal :
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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

Name of Activity	Bharat 2047 Voice of Youth Consultation Online Program
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	Third Floor B. Pharm Class Room No. 1, HRPIPER, Shirpur
Date of activity	11 th December 2023
Objectives	To achieve the goal of Viksit Bharat, the government will focus on improving people's capabilities and empowering them.
In charge	Mr. N. P. Pawar
Number of Participant	38
Brief Report on activity	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.
Photograph Of activity	<p>Shirpur, Maharashtra, भारत Karvand Naka, Mandal, Shirpur, Maharashtra 425405, भारत Lat 21.356584° Long 74.891911° 11/12/23 11:01 AM GMT +05:30</p> <p>Shirpur, Maharashtra, भारत Karvand Naka, Mandal, Shirpur, Maharashtra 425405, भारत Lat 21.356584° Long 74.891911° 11/12/23 10:59 AM GMT +05:30</p>

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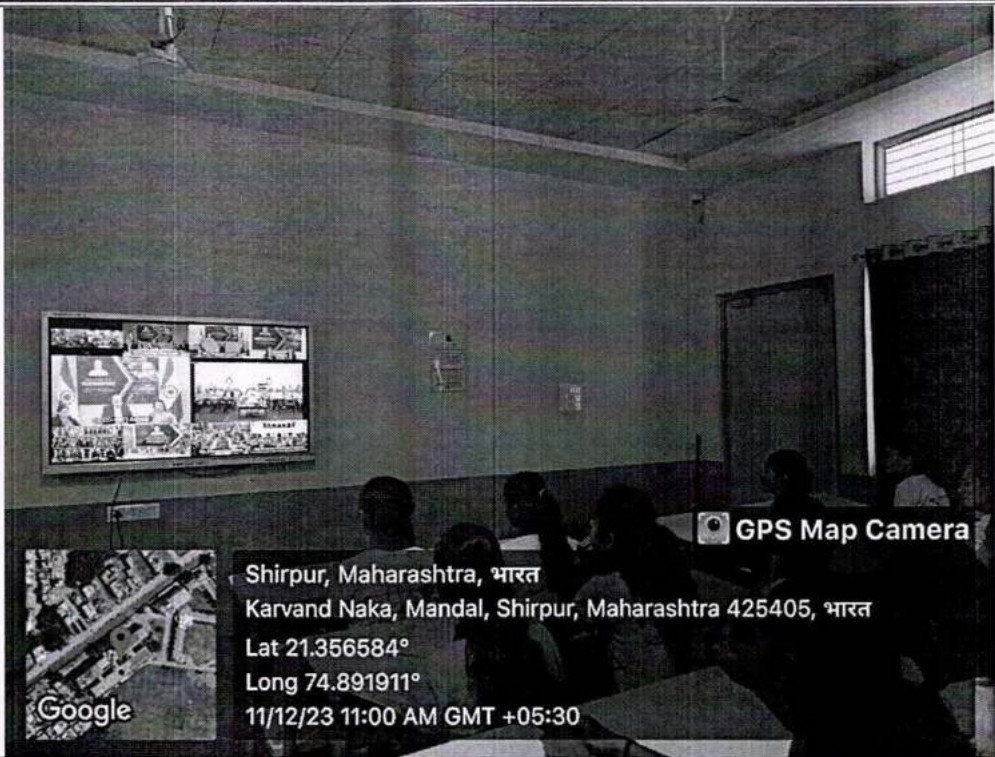
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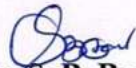
President :
Shri. Amrishbhai R. Patel
M.L.C.

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

	 <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> <p>GPS Map Camera</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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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

Name of Activity	One day seminar on "Women's Health Enhancement Seasonal Campaign."
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER
Date of activity	3 rd January 2024
Objectives	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."
In charge	Mr. N. P. Pawar
Number of Participant	89
Brief Report on activity	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.
Photograph Of activity	 <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>

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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,
Shirdpur Dist Dhule (M.S.) 425 405

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

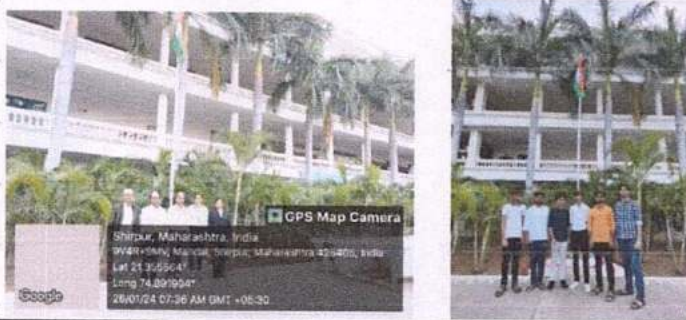
Principal :
Dr. S. B. Bari
M.Pharm. Ph.D., D.I.M.F.J.C.

Activity report (2023-24)

Submitted to

The Principal,

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

Name of Activity	26 January 2024 Republic Day
Organizer	H.R.P.L.P.E.R.
Venue	R.C.P.I.P.E.R. College Shirpur ,
Name of Speaker With contact details	SES Secretary & Principal Teaching non-Teaching Staff.
Date of activity	26/01/2024
Objectives	The day aims to promote national pride, unity, and patriotism, while engaging students and citizens in cultural and educational activities that highlight India's rich heritage and progress.
In charge	Principal, H. R. P. I. P. E. R. and Director of Physical Education
Number of Participant	Students- 62 Boy. 44 – Girls 18 Teachers -39
Brief Report on activity	The Republic Day celebration on 26 th January 2024 was marked by a series of engaging activities across schools, colleges, and communities. The event began with a flag-hoisting ceremony, followed by a patriotic parade, where students, faculty, and community members participated in marching and presenting cultural performances. Speeches were delivered emphasizing the importance of the Constitution and India's democratic values. Cultural programs, including patriotic songs, dances, and dramas, were organized to highlight the significance of the day. The event concluded with the distribution of prizes for various competitions and a collective pledge of unity and progress
Photograph Of activity	
Outcome	Students and attendees were reminded of the importance of democracy, equality, and justice in India.

Y. Thakre
Physical Director

S. Bari
Principal

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

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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

Name of Activity	Women's Health Checkup Camp at Lauki
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	Lauki Tal-Shirpur
Date of activity	10 January 2024
Objectives	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.
In charge	Mr. N. P. Pawar, Mrs. Sonal Shah
Number of Participant	60
Brief Report on activity	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.
Photograph Of activity	

The Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education and Research

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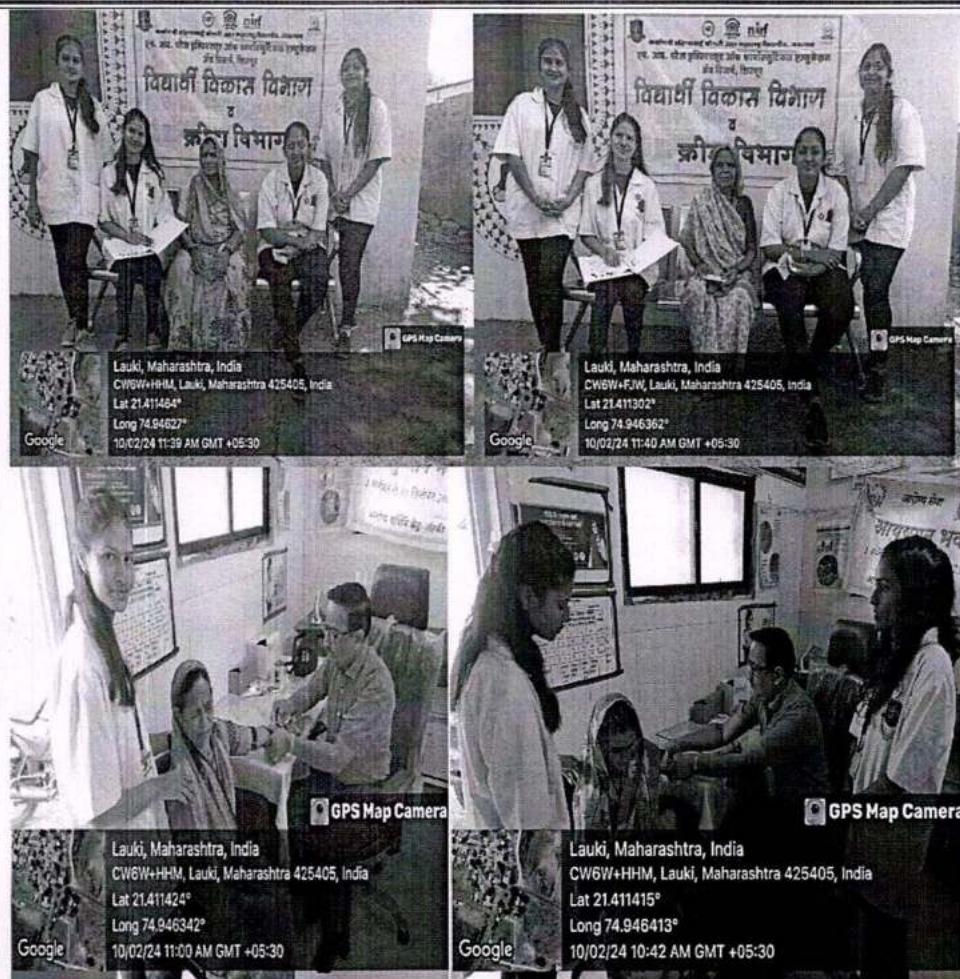
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M.L.C.

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



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
Education & Research,
Shirdpur Dist Dhule (M.S.) 425 405


The Shirdpur Education Society's
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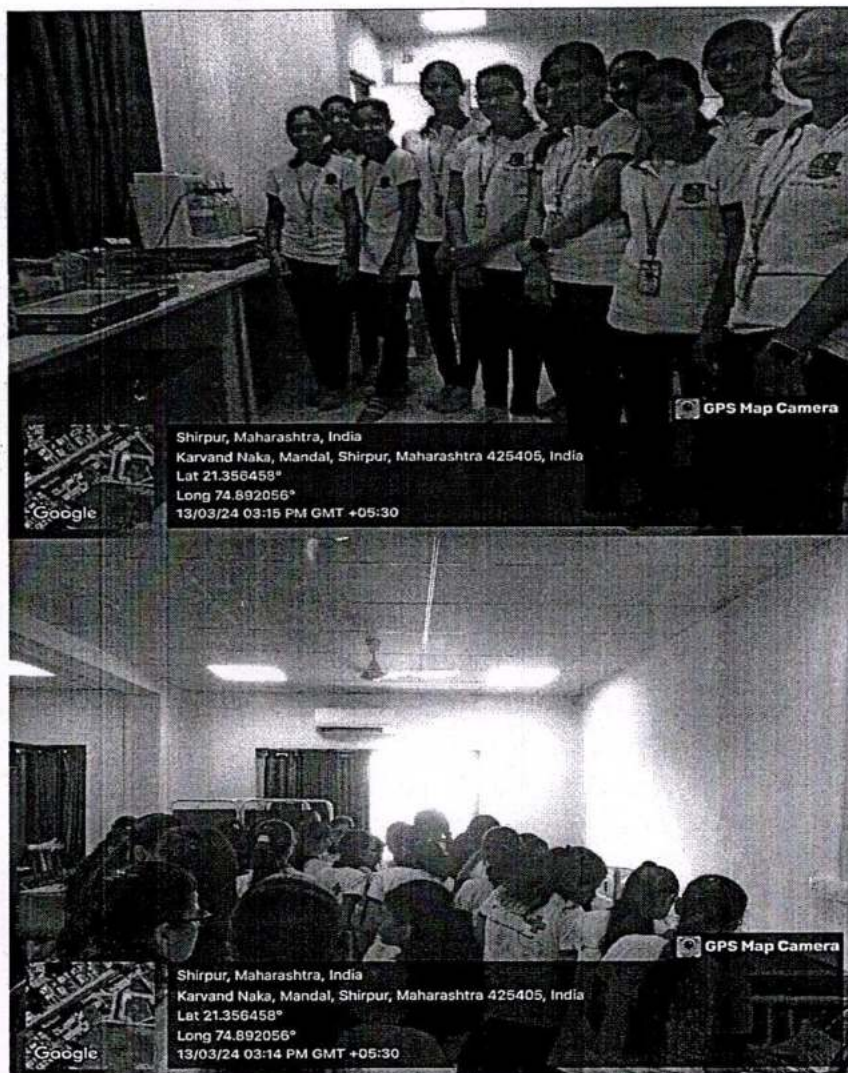
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Name of Activity	Women Employment visit at hospital
Organizer	Student Development Department of KBCNMMU, Jalgaon, and HRPIPER, Shirpur Organized jointly
Venue	Third floor Primary Health Care Hospital HRPIPER, Shirpur
Date of activity	13 th March 2024
Event Coordinator	Mr. N. P. Pawar
Speaker Name	-
Objectives	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
Number of Participant	61
Brief Report on activity	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.
	 <p>GPS Map Camera</p> <p>Shirpur, Maharashtra, India Kavind Naka, Mandal, Shirpur, Maharashtra 425405, India Lat 21.356639° Long 74.89203° 13/03/24 03:18 PM GMT +05:30</p> <p>Google</p>



**Photograph
Of activity**



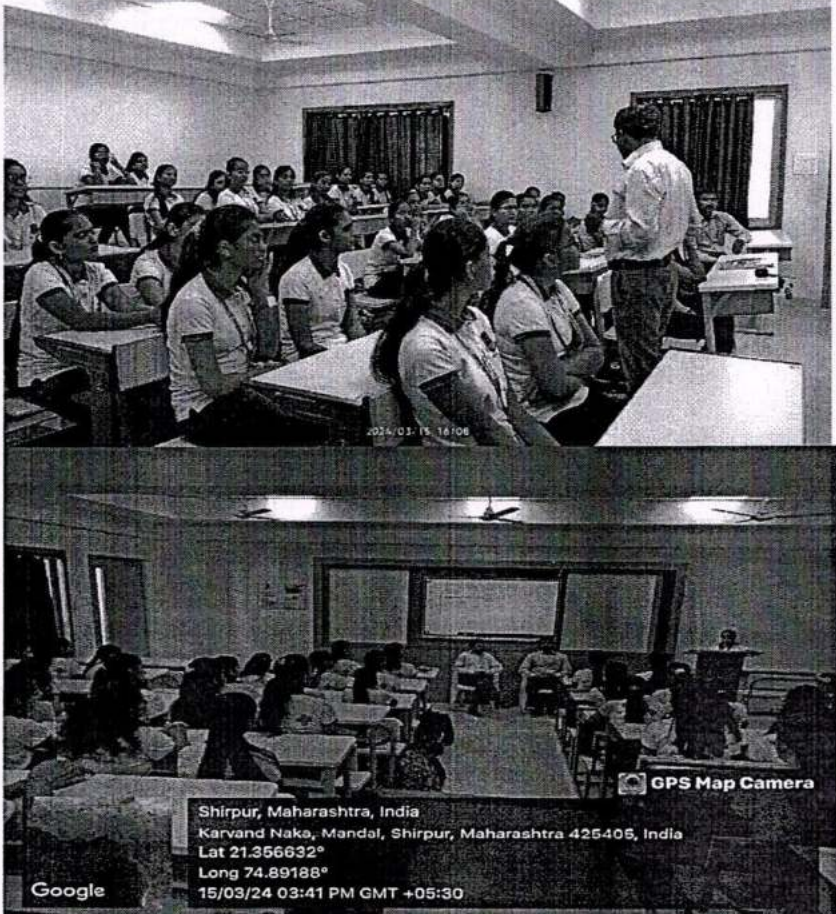
Outcome

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.

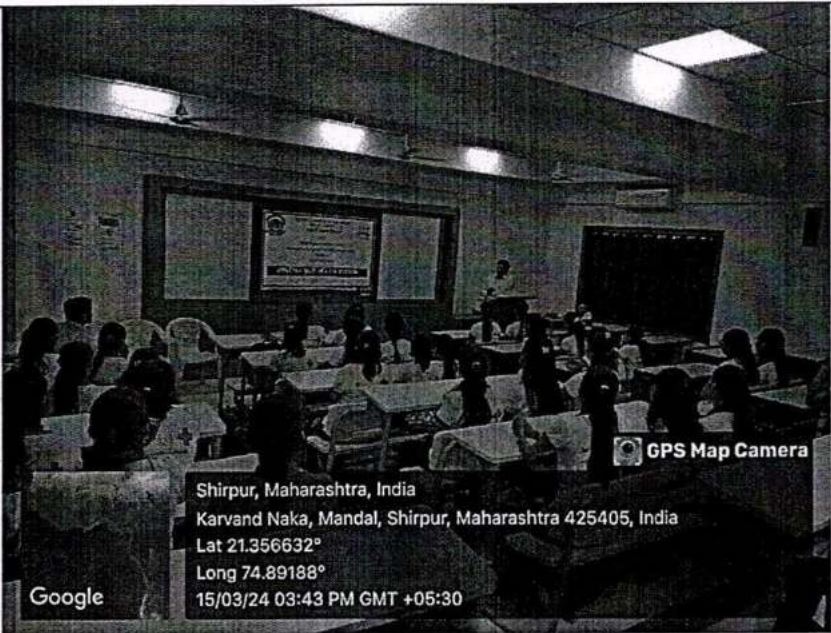
R. Pawar
Mr. N. P. Pawar
Student Development Officer



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

Name of Activity	Guest lecture on Environment Awareness
Organizer	Student Development Department of KBCNMU, Jalgaon, and HRPIPER, Shirpur Organized jointly
Venue	B. Pharm Class room HRPIPER, Shirpur
Date of activity	15 th March 2024
Event Coordinator	N. P. Pawar
Speaker Name	Dr. R. D. Jadhav
Objectives	To increase awareness among the audience about various environmental issues, such as climate change, pollution, biodiversity loss, deforestation, etc. to understand the importance of environmental conservation and sustainability for present and future generations.
Number of Participant	84
Brief Report on activity	A guest lecture was held on the topic of Environment Awareness. A guest lecturer for this Dr. R. D. Jadhav 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 first and second year B. Pharm girl students of the college Dr. R. D. Jadhav elaborated on the Environment Awareness and histories of various culture are involved to protect environment
Photograph Of activity	




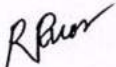
	 <p>Shirpur, Maharashtra, India Karvand Naka, Mandal, Shirpur, Maharashtra 425405, India Lat 21.356632° Long 74.89188° 15/03/24 03:43 PM GMT +05:30</p> <p>Google</p> <p>GPS Map Camera</p>
Outcome	<p>Attendees gained a deeper understanding of environmental issues, their causes, and potential solutions. They become more informed about the current state of the environment and its implications for society. The lecture can influence attendees' attitudes toward the environment, fostering a greater sense of concern, responsibility, and stewardship. People may develop a heightened appreciation for nature and a stronger commitment to environmental conservation.</p>

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

	
<p>Outcome</p>	<p>A combination of increased awareness, empowerment, and action, can ultimately contribute to a more informed and responsible approach to social media use among young women and their communities.</p>


 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

Name of Activity	Guest lecture on Young Women and Social Media
Organizer	Student Development Department of KBCNMU, Jalgaon, and HRPIPER, Shirpur Organized jointly
Venue	HRPIPER Seminar hall, Shirpur
Date of activity	16 th March 2024
Event Coordinator	Mr. N. P. Pawar
Speaker Name	Dr. Vivekanand L. Chavan
Objectives	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.
Number of Participant	88
Brief Report on activity	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.
Photograph Of activity	






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

Name of Activity	Guest Lecture on Women's Awareness Campaign on Menstruation
Organizer	H. R. Patel Institute of pharmaceutical Education and Research Shirpur.
Venue	HRPIPER
Date of activity	18 January 2024
Objectives	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."
In charge	Mr. N. P. Pawar and Mrs. Sonal Shah
Number of Participant	37
Brief Report on activity	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.
Photograph Of activity	 <p>REDMI NOTE 8 PRO AI QUAD CAMERA</p> <p>18/01/2024 15:29</p>



The Shirpur Education Society's
H. R. Patel Institute of Pharmaceutical Education and Research

NBA reaccrredited B.Pharm Programme [2022-2025] : NAAC Accredited with 'A' Grade

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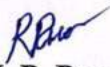
President :
Shri. Amrishbhai R. Patel
M.L.C.

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



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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