

1.2.1

**Institutional Programme Brochure/Notice
for Certificate/Value added programs with
course modules and outcomes**

(2022-23)

1.2.1

1- Workshop on handling of double beam UV-Visible spectrophotometer



A VALUE ADDED COURSE ON
**Workshop on handling of double beam UV-Visible
spectrophotometer**

Timings: 9 AM
10 Oct 2022 to
15 Oct 2022
As per date
Every Morning

**Duration
36 Hours**

Elegibility

B.PHARM

**FIRST & SECOND YEAR
THIRD & FOURTH YEAR**

M.PHARM FIRST & SECOND YEAR




**SIGNATURE
COORDINATOR**


**SIGNATURE
DIRECTOR**



KANPUR INSTITUTE OF TECHNOLOGY AND PHARMACY

A-1, UPSIDC Industrial Area, Rooma, Kanpur-208001 (U.P.) India

Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of course: Workshop on handling of double beam UV-Visible spectrophotometer

Duration: 2022-23 [10/10/2022 to 15/10/2022 (36 hours)]

Course Coordinator: Deepti sachan (Assistant Professor)

SYLLABUS:

- To understand the interaction of matter with electromagnetic radiations and its applications in drug analysis.
- To understand the chromatographic separation and analysis of drugs.
- To perform quantitative & qualitative analysis of drugs using various analytical instruments.
- To measure how much a chemical substance absorbs light.
- Electronic transitions, chromophores, auxochromes, Spectral shifts, solvent effect on absorption spectra, Beer and Lambert's law
- Derivation and deviations. Instrumentation - Sources of radiation, wavelength selectors, Sample cells, detectors- Photo tube, Photomultiplier tube, Photo voltaic cell
- Silicon Photodiode. Applications - Spectrophotometric titrations, Single component and multi component analysis
- Composition of cuvet

COURSE OUTCOME:

- Basic knowledge about the UV-Visible spectrophotometer etc.
- Students will be able to understand that this is simple and cost effective method for determining the concentration of absorbing species if applied to pure compounds, and used with the appropriate standard curve.
- Students easy to understand to operates UV-Visible spectrophotometer .



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Kanpur-208001

1.2.1

2- Training program on pharmacovigellence and drug safety



A VALUE ADDED COURSE ON
Training program on pharmacovigellence
&
drug safety

Timings: 9 AM
07 Nov 2022 to
12 Nov 2022
As per date
Every Morning

Duration
36 Hours

Elegibility

B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR


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Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of course: Training program on pharmacovigellence and drug safety

Duration: 2022-23 [7/11/2022 to 12/11/2022 (36 hours)]

Course Coordinator: Karishma Gupta (Assistant Professor)

SYLLABUS:

- Pharmacovigilance process, Pharmacovigilance Process (Stage 1): Detection, Collection of Individual Case Safety Reports (icrs)..
- Pharmacovigilance Process (Stage 2): Assessment, •Pharmacovigilance Process (Stage 3): Understanding the drug safety profile.
- Pharmacovigilance Process (Stage 4): Prevention of adverse effects.
- Introduction of pharmacovigilance overview of Pharmacovigilance. Standard Terms and Terminology in Pharmacovigilance.
- Medical Evaluation of Adverse Events In pharmacovigilance adverse Event Reporting System and form. Diagnosis and Managements of adverse effect.
- Safety issues of drugs used in the traditional system of medicine & materiovigilance program of India.
- Pharmacovigilance systems in other countries.
- Quality control & good pharmacovigilance practices.

COURSE OUTCOME:

- Students will be able to understand a robust monitoring system for new safety issues, Implement effective approaches to minimize risk, Install procedures for rapid decision making and triggering actions in case of (immediate) safety concerns.
- Will explore, connect and desired drug safety.




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1.2.1

3- Awareness of Antibiotics in Humans



A VALUE ADDED COURSE ON

Awareness of Antibiotics in Humans

Timings: 9 AM
05 Dec 2022 to
10 Dec 2022
As per date
Every Morning

Duration
36 Hours

Elegibility

B.PHARM

FIRST & SECOND YEAR
THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR




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Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of course: Awareness of Antibiotics in humans

Duration: 2022-23 [05/12/2022 to 10/12/2022 (36 hours)]

Course Coordinator: Anushka Verma (Assistant Professor)

SYLLABUS:

- Introduction of antibiotics, Mechanism of action, Etymology, usage
- Side effects and Interactions of antibiotics drugs, Pharmacodynamic, Classification of
- To describe the importance of effective antibiotic stewardship.
- . To classify common clinically important bacteria, describe what organisms are usually found where and select appropriate antibiotics.
- To understand tailor antibiotic therapy according to your patient's medical history, concomitant medicines and allergy status.
- Production, Resistance, History.

COURSE OUTCOME:

- Students will be able to understand that a whole team approach can increase the effectiveness of antimicrobial stewardship strategies, intention to involve the whole team in optimising antibiotic prescribing in a clinical setting., intention to make optimising antimicrobial prescribing a priority in a clinical setting.
- Understand intention to make antimicrobial guidance available to all members of staff, including locums, intention to identify an antibiotic champion from a team, intention to undertake an antibiotic or infection related audit in a clinical setting, intention to develop an antibiotic action plan within a clinical setting, intention to share advice about self-care of infections with patients, intention to share leaflets (such as the TARGET patient leaflets) about length of illness, self-care, safety netting, and value of antibiotics with patients.



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1.2.1

**4- Add on program on Drug Regulatory
Affairs**

*A VALUE ADDED COURSE ON*

Add on program on drug regulatory affairs

Timings: 9 AM
02 Jan 2023 to
07 Jan 2023
As per date
Every Morning

Duration
36 Hours

Elegibility
B.PHARM

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THIRD & FOURTH YEAR
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Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of course: Add on program on drug regulatory affairs

Duration: 2022-23 [02/01/2023 to 07/01/2023 (36 hours)]

Course Coordinator: Deepak katiyar (Assistant Professor)

SYLLABUS:

- To know about the process of drug discovery and development
- To know the regulatory authorities and agencies governing the manufacture and sale of pharmaceuticals
- To know the regulatory approval process and their registration in Indian and international markets

COURSE OUTCOME:

- Students will be able to understand that a whole team approach can increase the effectiveness of antimicrobial stewardship strategies, intention to involve the whole team in optimizing antibiotic prescribing in a clinical setting., intention to make optimizing antimicrobial prescribing a priority in a clinical setting.
- Understand intention to make antimicrobial guidance available to all members of staff, including locums, intention to identify an antibiotic champion from a team, intention to undertake an antibiotic or infection related audit in a clinical setting, intention to develop an antibiotic action plan within a clinical setting, intention to share advice about self-care of infections with patients, intention to share leaflets (such as the TARGET patient leaflets) about length of illness, self-care, safety netting, and value of antibiotics with patients.



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1.2.1

5- Hands-On workshop on HPLC and TLC



A VALUE ADDED COURSE ON

Hands-On workshop on HPLC & TLC

Timings: 9 AM
10,11,12,13,15, 17
April 2023
As per date
Every Morning

Elegibility
B.PHARM

- FIRST & SECOND YEAR
- THIRD & FOURTH YEAR
- M.PHARM FIRST & SECOND YEAR

**Duration
36 Hours**



Swati
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Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of course: Hands-On workshop on HPLC and TLC

Duration: 2022-23 [10/04/2023 to 15/04/2023 and 17/04/2023 (36 hours)]

Course Coordinator: Swati katiyar (Associate Professor)

SYLLABUS:

- Introduction of Stationary Phases, The Mobile Phase, Components of HPLC, Solvent Reservoir, Pumps, Sample Injection System, Columns, HPLC Detectors, Data Processing.
- Application of HPLC, The factors which influence the HPLC performance, advantages, Disadvantages, HPLC Chromatogram, Retention Time, Main parts of HPLC equipment
- Agilent HPLC equipment, Reciprocating piston pump, Injection system in HPLC, Isocratic and gradient elution
- HPLC and TLC used in pharmaceutical industry and research field.
- Optimization of methods from literature, Application of digital imaging technology for documentation and evaluation of chromatograms.

COURSE OUTCOME:

- Students will be able to understand that High performance liquid chromatography is a powerful technician analytical chemistry to identify, analyze and to separate a specific valuable compound from a mixture, commonly used in all pharmaceutical research and development.
- The course is designed to provide analysts with theoretical foundation of and practical experience with High Performance Thin-Layer Chromatography (HPTLC). The course teaches to understand application of various methods.
- Understand the students how to operating procedure of HPLC and TLC.



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1.2.1

6- Workshop on Laboratory Animal handling by Software



A VALUE ADDED COURSE ON

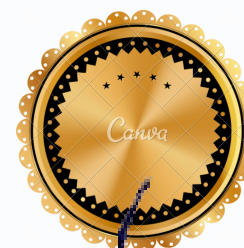
Workshop on laboratory animal handling by software

Timings: 9 AM
15 May 2023 to
20 May 2023
As per date
Every Morning

Elegibility
B.PHARM

FIRST & SECOND YEAR
THIRD & FOURTH YEAR
M.PHARM FIRST & SECOND YEAR

**Duration
36 Hours**




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Title of course: Workshop on Laboratory Animal handling by Software

Duration: 2022-23 [15/05/2023 to 20/05/2023 (36 hours)]

Course Coordinator: Komal Manwani (Assistant Professor)

SYLLABUS:

- Study of analgesic activity with the help of "tail flick apparatus".
- Study of antihistaminic drugs with the help of histamine chamber (Mast Cell Stabilization Assay).
- Study of analgesic activity with the help of "hot plate apparatus".
- Study of anticonvulsant activity using "electro convulsimeter".
- Study of muscle relaxant activity with the help of "Rota-Rod Apparatus"
- Study of cns depressants & stimulants using "actophotometer"

COURSE OUTCOME:

- Students will be able to understand that experiment will be performed by software (Ex Pharma) and it able to calculate the dose given for the proper response.
- Students were easy to understand operating procedure of specific instrument of the experiments.
- Students were easy to handling procedure of experimental animal.




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Kanpur-208001

(2021-22)

1.2.1

1- Hands-On training on soft skills



A VALUE ADDED COURSE ON

Hands-On training on soft skills

Timings: 9 AM
20 Sep 2021 to
25 Sep 2021
As per date
Every Morning

**Duration
36 Hours**

Elegibility

B.PHARM

SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR




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Title of course: Hands-On training on soft skills

Duration: 2021-22 [20/09/2021 to 25/09/2021 (36 hours)]

Course Coordinator: Priya Katiyar (Assistant Professor)

SYLLABUS:

- Written Communication, Oral communication, Presentation
- Active Listening, Nonverbal Communication, Feedback, Respect, Confidence, Clarity
- Honesty, Friendliness, Public Speaking
- Introduction about the soft skills training program
- Application of soft skills developments

COURSE OUTCOME:

- Students will be able to motivating an audience, Sharing knowledge, Persuading an audience, Entertaining an audience, Generating demand, Growing brand awareness, Completing a transaction, Creating interest.
- To Understand and apply communication theory.
- Critically think about communication processes and messages.
- To write effectively for a variety of contexts and audiences.
- To interact skillfully and ethically.
- Develop and deliver professional presentations fronts of audience.




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1.2.1

2- Workshop on handling of prescription and check legality of prescription



A VALUE ADDED COURSE ON
**Workshop on handling of prescription
and check legality of prescription**

Timings: 9AM
18 Oct 2021 to
23 Oct 2021
As per date
Every Morning

Elegibility
B.PHARM

FIRST & SECOND YEAR
THIRD & FOURTH YEAR
M.PHARM FIRST & SECOND YEAR

**Duration
36 Hours**




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Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of course: Workshop on handling of prescription and check legality of prescription

Duration: 2021-22 [18/10/2021 to 23/10/2021 (36 hours)]

Course Coordinator: Sapna Yadav (Assistant Professor)

SYLLABUS:

- Format and definition, history Drug, equivalence and non-substitution, Prescriptions for children, Label and instructions, Writing prescriptions, Legal capacity to write prescriptions, Standing orders.
- Legibility of handwritten prescriptions, Conventions for avoiding ambiguity, Abbreviations
- Non-prescription drug prescriptions, Parts of prescription, Handling of prescription.

COURSE OUTCOME:

- Students will be able to understand that most people will take prescription medicines to prevent, treat or manage illness.
- The effective use of medicines can help you stay healthy for longer. Many previously debilitating or life-limiting conditions are now prevented or managed through regular medicines use – often on a long-term basis.
- To Understanding the prescription process
- To increase Knowledge of abbreviations used in pharmacy
- To Knowledge of the information elements of a prescription
- To Knowledge of the information elements of a medication order
- To Knowledge of the fill process.
- To Knowledge of the fill process, label information, auxiliary labels



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1.2.1

3- Certificate on Tablet making

*A VALUE ADDED COURSE ON***Certificate course on tablet making**

Timings: 9 AM
13 Dec 2021 to
18 Dec 2021
As per date
Every Morning

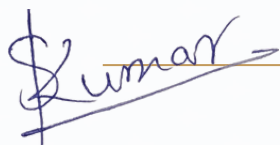
**Duration
36 Hours**

Elegibility
B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR



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Title of Course: Certificate on tablet making

Duration: 2021-22 [13/12/2021 to 15/12/2022 and 17/12/2021 to 18/12/2021 (36 hours)]

Course Coordinator: Satish Kumar (Assistant Professor)

SYLLABUS:

- History, Types, Pills, Caplets, Orally disintegrating tablets, Film coated tablets, Tableting formulations, Tablet properties
- Manufacturing, Manufacture of the tableting blend, Wet granulation, Procedure, Dry granulation, Hot melt extrusion, Granule lubrication, Tablet compaction simulator.
- Tablet presses, Tablet coating, Pill-splitters
- Tablets filling, packaging and distribution

COURSE OUTCOME:

- Students will be able to understand that makes portability (can work from everywhere and small enough to put in handbags);
- A tablet can be formulated to deliver an accurate dosage to a specific site in the body; it is usually taken orally, but can be administered sublingually, buccally, rectally or intravaginally.
- Students understand how to prepared and manufacturing in pharmaceutical industry.
- Students understand the tablet is just one of the many forms that an oral drug can take such as syrups, elixirs, suspensions, and emulsions.



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1.2.1

4- Workshop on GLP



A VALUE ADDED COURSE ON **Workshop on GLP**

Timings: 9 AM
03 Jan 2022 to
08 Jan 2022
As per date
Every Morning

**Duration
36 Hours**



Elegibility
B.PHARM

FIRST & SECOND YEAR
THIRD & FOURTH YEAR
M.PHARM FIRST & SECOND YEAR


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Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of Course: Workshop on GLP

Duration: 2021-22 [3/1/2022 to 8/1/2022 (36 hours)]

Course Coordinator: Kushal Kesarwani (Assistant Professor)

SYLLABUS:

- Introduction to GLP, Fundamentals of GLP, OECD GLP principal, WHO GLP in brief, GLP laboratory setting up.
- SOP DQ, IQ, OQ and PQ, facilities, instrumentation's and software, Personal selection: Staffing and training, Quality control procedures, QA, Documentation and Archiving
- Gap analysis, Sample Analysis and QA, Chromatography review Integration parameters, Quality assurance.
- Reporting and Investigation of Experiments, Complete experimental work from start till end Study objective, Description of test system, Results and discussion, References
- GLP complaint statement, QA statement, Investigations: Study based, Facility based and process based.
- Data Storage and Retrieval and Maintenance of Archive, Records to be archived Indexing, Placing the records, Document transfer.
- Retention period, Disposal, Dedicated electronic archiving system and maintenance

COURSE OUTCOME:

- Students will be able to understand that Provide basic understanding of GLP/GCLP, Provide relevant job skills on GLP/GCLP.
- Students prepare you to face audits and regulatory inspections.
- It Understand the principles that form GLP and why it was necessary
- Students develop the ability to establish GLP-compliance in your workplace
- Learn how to recognize GLP deficiencies using scenarios
- Gain an in-depth knowledge of the regulations themselves.



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1.2.1

5- Certificate on Capsules making

*A VALUE ADDED COURSE ON***Certificate course on capsules making**

Timings: 9 AM
18 Apr 2022 to
23 Apr 2022
As per date
Every Morning

**Duration
36 Hours**

Elegibility
B.PHARM

FIRST & SECOND YEAR
THIRD & FOURTH YEAR
M.PHARM FIRST & SECOND YEAR




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Title of Course: Certificate course on capsules making.

Duration: 2021-22 [18/4/2022 to 23/4/2022 (36 hours)]

Course Coordinator: Mohd. Kalim (Assistant Professor)

SYLLABUS:

- Capsules definition, Capsule Machine Filling, soft capsules, isoelectric point, hard capsules, Production of Hard gelatin capsule shell, Dipping, Spinning, Drying, Stripping, Trimming Joining, Filling of Hard Gelatin capsule.
- Capsule filling methods: 1. Manual filling 2. Hand filling machine 3. Semi-automatic machine 4. Fully automatic capsule filling machine
- Manufacturing materials, Hand filling machine, Semi-automatic machine, orientation of capsule, powder filling, capsule closing, Manufacturing equipment, Standard sizes of two-piece capsules, Advantages, Disadvantages, Finishing of capsule.
- In process Quality control (IPQC) for capsules
- IPQC Checks During Gelatin Shell Manufacturing, Finished product quality control test of capsule, Drug-embedded empty capsule shells, Nature of capsule shell, Manufacture of soft gelatin capsule:
- Plate process, Rotary die process, Reciprocating die process, Accogel capsule filling machine, In-process testing, finished product testing, Capsule physical stability, Application of soft gelatin capsule.

COURSE OUTCOME:

- Students will be able to understand that explain the method of preparations and stability studies of monophasic and biphasic liquid dosage forms & explain the method of preparations and evaluation studies of semisolid dosage forms.
- It able to understands how to manufacturing, filling in the gelatin shell of drug.
- Student will able to understand that quality control test of capsule.



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1.2.1

**6- Certificate of awareness on Corona
Virus**



A VALUE ADDED COURSE ON

Certificate of awareness on corona virus

Timings: 9 AM
23 May 2022 to
28 May 2022
As per date
Every Morning

**Duration
36 Hours**

Elegibility

B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR

Shradha

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Title of Course: Certificate of awareness on corona virus.

Duration: 2021-22 [23/5/2022 to 28/5/2022 (36 hours)]

Course Coordinator: Shradha Agrawal (Assistant Professor)

SYLLABUS:

- Etymology, History, Microbiology, Structure, Genome, Replication cycle, Cell entry, Genome translation, Replicase-transcriptase, Assembly and release.
- Transmission, Classification, Origin, Infection in humans, Human corona virus OC43 (HCoV-OC43), β -CoV.
- Human corona virus HKU1 (HCoV-HKU1), β -CoV, Human corona virus 229E (HCoV-229E), α -CoV, Human corona virus NL63 (HCoV-NL63), α -CoV, Immunomodulatory Agents.
- Oxygenation And Ventilation Management In COVID-19, Management Of COVID-19 Based On The Severity of Illness.
- Common cold, Severe acute respiratory syndrome (SARS), Middle East respiratory syndrome (MERS), Corona virus disease 2019 (COVID-19), Corona virus HuPn-2018, Infection in animals, Farm animals, Domestic pets, Laboratory animals, Prevention and treatment.
- SARS-CoV-2 Variants, Transmission of SARS-CoV-2, SARS-CoV-2 Variants of Concern (VOCs), SARS-CoV-2 Variants of Interest (VOIs), Clinical Manifestations of COVID-19, Extra pulmonary Manifestations, Diagnostic Testing In COVID-19

COURSE OUTCOME:

- Students will be able to understand that the death rate for all hospitalized COVID-19 patients was 8.3%, and median length of hospitalization was 7.5 days.
- Students will be able to understand that how to prevent and protect from corona virus.
- Students will be able to understand that what are the sign and Symptom of COVID -19.
- It understands the nature of COVID -19.
- Describe ways of minimizes the spread to yourself and the community
- It is known about the list ways you will be managed / treated if you catch the virus.



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(2020-21)

1.2.1

1- Workshop on WHO Guidelines on health concern



A VALUE ADDED COURSE ON

Workshop on WHO guide lines on health concern

Timings: 9 AM
21 Sep 2020 to
26 Sep 2020
As per date
Every Morning

**Duration
36 Hours**



Elegibility

B.PHARM

SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR


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Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of Course: Workshop on WHO guide lines on health concern

Duration: 2020-21 [21/9/2020 to 26/9/2020 (36 hours)]

Course Coordinator: Ankur Tripathi (Assistant Professor)

SYLLABUS:

- History, Origin and founding, Establishment, Operational history, Policies and objectives, Overall focus, Communicable diseases, Non-communicable diseases, Environmental health.
- Life course and lifestyle, Surgery and trauma care, Emergency work, Reform efforts following the Ebola outbreak, Response to the COVID-19 pandemic, Health policy, Digital Health, Governance and support, Partnerships, Public health education and action, Data handling and publications, International Agency for Research on Cancer.
- Structure and governance, Membership, Membership and participation of the Republic of China, World Health Assembly and Executive Board, Director-General, Global institutions, Personnel, Goodwill Ambassadors.
- Medical Society of the World Health Organization, Financing and partnerships, World headquarters and offices

COURSE OUTCOME:

- Students will be able to understand that it is responsible for providing leadership on global health matters, shaping the health research agenda, setting norms and standards.
- Students will be able to understand that Articulating evidence-based policy options, providing technical support to countries and monitoring and assessing health trends.
- Students will be able to understand that WHO works worldwide to promote health, keep the world safe, and serve the vulnerable.




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1.2.1

2- Workshop on handling of Laboratory glassware's



A VALUE ADDED COURSE ON

Workshop on handling of Laboratory glasswares

Timings: 9 AM
23 Nov 2020 to
28 Nov 2020
As per date
Every Morning

**Duration
36Hours**



Elegibility
B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR

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COORDINATOR**

Rahul
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Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of Course: Workshop on handling of Laboratory glassware's

Duration: 2020-21 [23/11/2020 to 28/11/2020 (36 hours)]

Course Coordinator: Dipti Sachan (Assistant Professor)

SYLLABUS:

- Erlenmeyer flask, Griffin Beaker, Graduated Cylinder, Graduated Pipette, Approximate Graduations, Volumetric Glassware, Burette, Volumetric Flask, Volumetric Transfer Pipette, Calibration Temperature.
- Rinse With Titrant, Beads of Liquid, Fill to Above Top Graduation, Meniscus Reader, Record Initial Reading, Add Indicator.
- Pipette Bulb, Reagent Bottle, Funnel, Buchner funnel, wire gauge, copper water bath, test tube, round bottom flask
- Glass distillation unit, petridish, watches glass, glass cover slip, slide, and nesler cylinder.

COURSE OUTCOME:

- Students will be able to understand that this the test tubes are used by chemists to hold, mix, or heat small quantities of solid or liquid chemicals, especially for qualitative experiments and assays.
- Students will be able to understand that Desiccators of glass construction are used to dry materials or keep material dry.
- It understands that the glassware apparatus offers many functions such as the storage and transportation of the solution and other liquids.
- It understands that most laboratory apparatus are made of borosilicate glass due to its durability and safety. This glass can bear high temperatures.



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1.2.1

3- Workshop on IPQC of pharmaceutical dosage form



A VALUE ADDED COURSE ON

Workshop on IPQC of pharmaceutical dosage form

Timings: 9 AM
11 Jan 2021 to 16
Jan 2021
As per date
Every Morning

**Duration
36 Hours**



Elegibility
B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR

Harshita
**SIGNATURE
COORDINATOR**

Rahul
**SIGNATURE
DIRECTOR**



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Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of Course: Workshop on IPQC of pharmaceutical dosage form

Duration: 2020-21 [11/1/2021 to 16/1/2021 (36 hours)]

Course Coordinator: Harshita Gupta (Assistant Professor)

SYLLABUS:

- Instrument used in IPQC department: Disintegration apparatus, Dissolution apparatus, Analytical balance Muffle furnace, Friability testing apparatus.
- Bulk density apparatus, Tablet hardness tester, Infra-red moisture content measuring apparatus, U.V Spectroscopy, Abbe Refractometer.
- Official Tests: [1] Weight variation [2] Disintegration [3] Dissolution [4] Drug content, Non-Official Tests [1] Hardness [2] Friability

COURSE OUTCOME:

- Students will be able to understand that this is simple and cost effective method for determining the concentration of absorbing species if applied to pure compounds, and used with the appropriate standard curve.
- Students known about the quality of product to be determined.
- Students will be able to understand that In process testing enables easier identification of problems. It sometime identifies a defective product batch that can be corrected by rework, whereas once that batch has been completed, this may not be possible.
- Students will be able to understand that Failure to meet in process control specification indicates either that procedure were not followed or some factor (S) out of control



Rahul
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1.2.1

**4- Workshop on various route of drug
Administration for therapeutic success.**



A VALUE ADDED COURSE ON
**Workshop on various route of drug
administration for therapeutic success**

Timings: 9 AM
15 Mar 2021 to
20 Mar 2021
As per date
Every Morning

Elegibility
B.PHARM

FIRST & SECOND YEAR
THIRD & FOURTH YEAR
M.PHARM FIRST & SECOND YEAR

**Duration
36 Hours**




**SIGNATURE
COORDINATOR**


**SIGNATURE
DIRECTOR**



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Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in, director.kitp@kit.ac.in

Title of Course: Workshop on various route of drug administration for therapeutic success

Duration: 2020-21 [15/3/2021 to 20/3/2021 (36 hours)]

Course Coordinator: Nalini Pandey (Associate Professor)

SYLLABUS:

- Introduction about 1.Oral. 2. Sublingual. 3. Per Rectal. 4. Injectable (Parenteral). 5. Local (Topical) Application. 6. Inhalation. 7.Other Method and Devices of drug delivery.
- Other methods and devices of drug delivery,
- Ocusert, progestasert, drug eluting stents, subcutaneous implants, pro-drug, targeted delivery.
- Patient related aspects factor.

COURSE OUTCOME:

- Students will be able to understand that this is simple and cost effective method for determining the concentration of absorbing species if applied to pure compounds, and used with the appropriate standard curve.
- Students will be able to understand that how to drug absorbs from different routes.
- It understands that the drug administration is very important for injection and administration.
- Students will be able to understand that drug efficacy will be high at the different routes of drug administration.




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(2019-20)



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1.2.1

1- Awareness on AIDS



A VALUE ADDED COURSE ON **Awareness on AIDS**

Timings:
21 Oct 2019 to
26 Oct 2019
As per date
Every Morning

**Duration
36 Hours**



Elegibility
B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR


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Title of Course: Awareness on AIDS

Duration: 2019-20 [21/10/2019 to 26/10/2019 (36 hours)]

Course Coordinator: Amit Bharti (Assistant Professor)

SYLLABUS:

- Introduction AIDS, Signs and symptoms
- Acute infection, Clinical latency, Acquired immunodeficiency syndrome, Transmission, Sexual, Body fluids, Mother-to-child, Virology, Pathophysiology
- Diagnosis, HIV testing, Classifications, Prevention, Sexual contact, Pre-exposure, Post-exposure.
- Spreading AIDS Virus Mother-to-child, Vaccination, Treatment, Antiviral therapy, Opportunistic infections, Diet, Alternative medicine, Prognosis, Epidemiology, History.
- Current scenario of AIDS in India and global world.

COURSE OUTCOME:

- Students will be able to understand that there is no cure for AIDS and it is fatal without treatment. HIV infection, however, takes a very long time to develop into full blown AIDS.
- Students will be able to understand that the virus begins to replicate in the body within the CD4 cells and begins to destroy the immunity.
- Students understand that how can prevent AIDS Virus.



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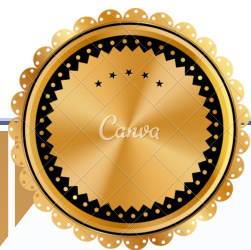
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1.2.1

2- Workshop on understanding of medical Terminology



A VALUE ADDED COURSE ON

Workshop on understanding of Medical Terminology

Timings:
18 Nov 2019 to
23 Nov 2019
As per date
Every Morning

**Duration
36 Hours**



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B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR


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Title of Course: Workshop on understanding of Medical Terminology

Duration: 2019-20 [18/11/2019 to 23/11/2019 (36 hours)]

Course Coordinator: Ankur Tripathi (Assistant Professor)

SYLLABUS:

- Introduction about Abrasion, Abscess, Abdominal pain, Abdominal rigidity, Biliary atresia, Bilirubin encephalopathy, Bladder exstrophy repair, Blastomycosis, Blepharitis, Botulism, Bowel incontinence, Bowel retraining, Bowel transit time, Bowlegs, Brachial plexopathy, Brachial plexus, Brachial plexus injury in newborns.
- Brain abscess, Brain aneurysm repair, Brain aneurysm repair – discharge, Brain herniation, Brain injury – discharge, Brain natriuretic peptide test, Brain PET scan, Brain radiation – discharge, Brain surgery, Brain surgery – discharge, Brain tumor – children
- Brain tumor - primary – adults, Branchial cleft cyst, BRCA1 and BRCA2 gene testing, Break the bonds of emotional eating, Breast augmentation surgery, Breast biopsy – stereotactic, Breast biopsy – ultrasound.
- Carcinoid syndrome, Cardiac ablation procedures, Cardiac amyloidosis, Cardiac arrest, Cardiac catheterization, Cardiac catheterization.
- discharge, Cardiac event monitors, Cardiac glycoside overdose, Cardiac intravascular ultrasound, Cardiac rehabilitation, Cardiac tamponade, Cardiogenic shock, Cardiomyopathy, Cardiovascular, Cardioversion, Caregiving - medication management, Caregiving - resources - older adults,.

COURSE OUTCOME:

- Students will be able to understand that this is simple and cost effective method for determining the concentration of absorbing species if applied to pure compounds, and used with the appropriate standard curve.
- It learns about Break down medical terminology into suffixes, prefixes and root words to understand the meaning Decipher what area of the body the term relates to Utilize this knowledge at work with enhanced understanding of terms and abbreviations.



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1.2.1

3- Workshop on training Internet surfing



A VALUE ADDED COURSE ON

Workshop on training of Internet surfing

Timings:
27 Jan 2020 to
01 Feb 2020
As per date
Every Morning

Elegibility

B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR

**Duration
36 Hours**



Fatima

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Title of Course: Workshop on training Internet surfing

Duration: 2019-20 [27/1/2020 to 1/2/2020 (36 hours)]

Course Coordinator: Fatima Aleem (Assistant Professor)

SYLLABUS:

- Introduction about Internet surfing Web Browser and Network, Web Security Issues, HTTP: Hyper Text Transfer Protocol, Use Cookies to Store State Info, Cookies Fields, Cookies, Web Authentication via Cookies, A Typical Session with Cookies, Client Side Scripting, HTML and Scripting, Scripts are Powerful.
- Browser as an Operating System, Same Origin Policy, Security Principals, Same Original Policy: What it Controls, Problems with S-O Policy, Cross Site Scripting (XSS), How XSS Works on Online Blog, Effect of the Attack
- MySpace.com, Avoiding XSS bugs, cross site request forgery (abbrev. CSRF or XSRF) Gmail Incidence: Jan 2007, Prevention

COURSE OUTCOME:

- Students will be able to understand that awareness among the youth on how internet bluffs its users and can direct them to the 'unwanted' sites. The participants were sensitized about potential threats of hacking of personal information, promotion of liberal ideologies, drugs business, violence and sexual harassment on the internet.
- Students will be able to understand that to warn that unsafe internet surfing can result in stealing of the users' personal information which can later be misused by miscreants. 'We want to sensitize the target audience on how internet can brainwash its users and lead them to violent behaviors,' the speakers said, adding that the core objective of the event was to identify, protect..



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1.2.1

4- Workshop on Personality development Program



A VALUE ADDED COURSE ON

Workshop on personality development Program

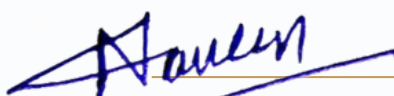
Timings:
16 Mar 2020 to
21 Mar 2020
As per date
Every Morning

**Duration
36 Hours**



Elegibility
B.PHARM

- FIRST & SECOND YEAR
- THIRD & FOURTH YEAR
- M.PHARM FIRST & SECOND YEAR



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Title of Course: Workshop on personality development Program

Duration: 2019-20 [16/03/2020 to 21/3/2020 (36 hours)]

Course Coordinator: Naveen Kumar (Assistant Professor)

SYLLABUS:

- The concept of personality - Dimensions of personality – Theories of Freud & Erickson- Significance of personality development. The concept of success and failure: What is success? –
- Hurdles in achieving success - Overcoming hurdles - Factors responsible for success – What is failure - Causes of failure. SWOT analysis.
- Attitude - Concept - Significance - Factors affecting attitudes - Positive attitude – Advantages –Negative attitude- Disadvantages - Ways to develop positive attitude - Differences between personalities having positive and negative attitude.
- Concept of motivation - Significance – Internal and external motives -Importance of self-motivation- Factors leading to de-motivation
- Term self-esteem - Symptoms - Advantages - Do's and Don'ts to develop positive self-esteem – Low self-esteem - Symptoms - Personality having low self esteem - Positive and negative self esteem.
- Interpersonal Relationships – Defining the difference between aggressive, submissive and assertive behaviors – Lateral thinking

COURSE OUTCOME:

- Students will be able to understand that how to Develop skills to embrace change, handle setbacks, and thrive in dynamic work environments.
- Students will be able to understand that Build self-confidence, overcome self-doubt, and be able to assert one in professional settings.
- Students will be able to understand that Improve both verbal and non-verbal communication abilities, active listening, and expressing ideas effectively.
- It understands that Setting personal and professional goals, creating action plans, and continuously working towards self-improvement



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(2018-19)



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1.2.1

1- Training program on drug side effects and drug safety

A VALUE ADDED COURSE ON
**Traning program on drug side effects and
drug saftey**

Timings:
24 Sep 2018 to
29 Sep 2018
As per date
Every Morning

Elegibility

B.PHARM

THIRD YEAR

&

FOURTH YEAR

**Duration
36 Hours**


**COORDINATOR
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Title of Course: Training program on drug side effects and drug safety

Duration: 2018-19 [24/9/2018 to 29/9/2018 (36 hours)]

Course Coordinator: Prashant Chaudhary (Assistant Professor)

SYLLABUS:

- Introduction of drug side effect and drug safety.
- Introduction of pharmacovigilance, Pharmacovigilance process, Pharmacovigilance Process (Stage 1): Detection, Collection of Individual Case Safety Reports (ICSRs).
- Pharmacovigilance Process (Stage 2): Assessment, Pharmacovigilance Process (Stage 3): Understanding the drug safety profile.
- Pharmacovigilance Process (Stage 4): Prevention of adverse effects.

COURSE OUTCOME:

- Students will be able to understand a robust monitoring system for new safety issues, Implement effective approaches to minimize risk, Install procedures for rapid decision making and triggering actions in case of (immediate) safety concerns.
- Students will be able to understand that how to know about drug side effect and drug safe in human body system.



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1.2.1

2- Workshop on training to prepare dilutions



A VALUE ADDED COURSE ON

Workshop on training to prepare dilutions

Timings:
12 Nov 2018 to
17 Nov 2018
As per date
Every Morning

**Duration
36 Hours**



Elegibility
B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR


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Title of Course: Workshop on training to prepare dilutions

Duration: 2018-19 [12/11/2018 to 17/11/2018 (36 hours)]

Course Coordinator: Esha Yadav (Assistant Professor)

SYLLABUS:

- Definition dilution and serial dilution
- Introduction of Molarity, Normality, Weight %, Parts per million, Mass per volume, molality, mole fraction.
- How to Prepare .1N NaOH solution, Prepare .001N NaOH solution, Prepare .1M NaOH solution, Prepare .01M NaOH solution, Prepare .5N NaOH solution,
- Prepare .1N HCL solution, Prepare .01N HCL solution, Prepare .5N HCL solution, Prepare 1M HCL solution,
- Prepare .1M HCL solution, Prepare .8 M HCL solution

COURSE OUTCOME:

- Students will be able to understand that this is simple and cost effective method for determining the concentration of dilution and serial dilution.
- Students will be able to prepare different- different normality and molarity solution from the specific calculation and validation methods.
- It understands all methods preparation of dilution in the training program.
- Students will be able to understand that using a pipette to make solutions for practical's and experiments.



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1.2.1

3- Add on importance of nutraceuticals in daily life



A VALUE ADDED COURSE ON
Add on importance of nutraceuticals
in daily life

Timings:
04 Feb to 09 Feb
2019
Every Morning

Duration
36 Hours



Elegibility
B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR


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Title of Course: Add on importance of nutraceuticals in daily life.

Duration: 2018-19 [04/02/2019 to 09/02/2019 (36 hours)]

Course Coordinator: Akriti Pal (Assistant Professor)

SYLLABUS:

- The fields of health foods, food ingredients, dietary supplements, and natural medicines, basic concept of nutraceuticals.
- Overview of nutraceuticals, scope and importance of nutraceuticals, impact factor of nutraceutical
- Advantages of nutraceuticals over pharmaceuticals, conclusion of nutraceuticals
- Application of nutraceuticals product use in daily life.
- Preparation of nutraceuticals product in the pharmaceutical industry.

COURSE OUTCOME:

- Students will be able to understand that The nutraceutical products are recognized not only for their health benefits to reduce the risk of cancer, heart diseases and other related ailments, but also to prevent or treat hypertension, high cholesterol, excessive weight, osteoporosis, diabetes, arthritis, macular degeneration, cataracts, menopausal symptoms.
- To understand the definition, classification of nutraceuticals, functional foods and dietary supplements and role of nutraceuticals in prevention or cure various diseases.
- It understands effect of nutrition to maintain healthy life of public included maternal and child health and effects of education about nutrition in community.



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1.2.1

4- Add on use of cosmetics in daily life

*A VALUE ADDED COURSE ON***Add on use of cosmetics in daily life**

Timings:
25 Mar 2019 to
30 Mar 2019
As per date
Every Morning

**Duration
36 Hours**



Elegibility
B.PHARM

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR

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Title of Course: Add on use of cosmetics in daily life.

Duration: 2018-19 [25/03/2019 to 30/03/2019 (36 hours)]

Course Coordinator: Saurav Kumar Gupta (Assistant Professor)

SYLLABUS:

- Introduction of cosmetology, Scope of cosmetology, type of cosmetics.
- Cosmetologist, purpose of the cosmetic industry, Uses of cosmetics
- Preparation and filling of cosmetics products
- Advantages and disadvantages of cosmetic
- Quality controls of cosmetics products

COURSE OUTCOME:

- Students will be able to understand that the steps of the cosmetic development process to be able to navigate the decision making required formulating, manufacturing and marketing a cosmetic product.
- Students will be able to understand that Cosmetology aims to study different beauty treatments from skincare to hair care, makeup, and styling, amongst others. Cosmetologists offer personal care services and beauty treatments.



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1.2.1

**5- Certificate in Pharmaceutical sales and
Marketing Management**

*A VALUE ADDED COURSE ON*

Certificate in Pharmaceutical sales and marketing management

Timings:
15 Apr 2019 to
20 Apr 2019
As per date
Every Morning

*Elegibility***B.PHARM**

FIRST & SECOND YEAR

THIRD & FOURTH YEAR

M.PHARM FIRST & SECOND YEAR

Duration
36 Hours



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Title of Course: Certificate in Pharmaceutical sales and marketing management.

Duration: 2018-19 [15/04/2019 to 20/04/2019 (36 hours)]

Course Coordinator: Khushboo Gaur (Assistant Professor)

SYLLABUS:

- General Overview: Definition, general concepts and scope of marketing, distinction between marketing and selling, marketing environment, industry and competitive analysis, Background, Interaction With People, quantitative and qualitative aspects, size and composition of the market, demographic descriptions and sociophysiological characteristics of the consumer, market segmentation and targeting consumer profile.
- Meaning, classification product line and product mix decisions, product life cycle, product portfolio analysis, product positioning, new product decisions, product branding, packaging and labeling decisions, Promotion and methods, determinants of promotional mix, promotional budget
- An overview of personnel selling, advertising, direct mail, journals, sampling, retailing, medical exhibition. Pricing, importance, objects, determinants of price, pricing methods and strategies, issues in price management in pharmaceutical industry, an overview of DPCO and NPPA.

COURSE OUTCOME:

- Students will able to understands that the concept of product management in pharmaceutical industry.
- Students will able to understands that the various components of promotion of pharmaceutical products.
- Students will able to understands that the role and responsibility of professional sales representative.
- Students will able to understands that the roles and responsibilities of pricing authorities in India.
- It understands that the emerging concept of marketing.




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