

CAREER DEVELOPMENT CENTRE



Date: 23rd December 2021.

Subject: Value Added Trainings School of Pharmaceutical and Population Health Informatics

Attention: M.Pharm- II Semester / B.Pharm- VIIIth Semester (Session-EVEN-2021-22)

Above mentioned students are hereby informed that as per the approved value added trainings for the academic year 2021-22, Career Development Centre offers the below mentioned technical training in the Even Semester (2021-22). Details as follows:

Training	Semester	Program	Duration	Date of Commencing
Clinical Pharmacognosy (VAT-72)	VIII	B.Pharm	36	10 th January 2022

NOTE:

1. The Department concerned shall notify the details about timings and venue of the training sessions. In case of any query please contact the Career Development Centre, DIT University.
2. For Office of HoD- Ref to Letter N0. Ref No: DITU/CDC/2019/AN-14 (Guidelines for VAT)

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HoD- SoPHI
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To:

- All Deans / Directors
 - HoDs
 - CDC
- } With the request to bring the above to the notice of the students

Copy for information to:

- Hon'ble Chairman
- Hon'ble Chancellor
- Hon'ble Vice Chancellor
- Hon'ble Pro Vice Chancellor
- ICT Manager – to upload on website

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Clinical Pharmacognosy

VAT-72

Venue: Vishveshwarya 506 | **Duration:** 36 Hrs (10th January 2022 to 23rd April 2022)

The Clinical Pharmacognosy training was conducted for students of Bachelor of Pharmacy program (6th Semester), the targeted students for the training were those who had to be skilled for drugs and medicines produced from natural sources. It was conducted by the **School of Pharmaceutical and Population Health Informatics**, the coordinator for the training was **Dr. Neeraj Kumar Sethiya**.

OBJECTIVE:

The study of drugs and medicines produced from natural sources like plants and animals is known as Pharmacognosy. Pharmacognosy includes analysis of properties of various naturally sourced drugs and their biochemical effects on living beings. The world is growing more and more aware of the ramifications being caused by synthetic drugs, naturally derived drugs and medicines are making a comeback

The Clinical Pharmacology training will give students the skills to design, analyse, interpret and report clinical research and clinical trials. It focuses on understanding what a drug is doing to the body (pharmacodynamics), what happens to a drug in the body (pharmacokinetics), and how drugs work in terms of treating a particular disease. It is designed for Students and allied health professionals interested in the clinical development process.



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REQUIRED SKILLSET FOR PHARMACOGNOSY

- Since pharmacognosy is largely based on naturally derived substances, appreciation of nature's involvement in drug development is required.
- One may choose to continue the training in Pharmacognosy if they have few of these skills/ interests.
- An interest in studying the physical and chemical properties of crude drugs and medicines
- Knowledge about the history of natural drug development and storage.
- Well informed in the fields of botany, microbiology, zoology, marine biology and such
- A research mindset
- Ethical and moral valued thinking
- Fine understanding and presenting skills

TRAINING OUTLINE:

The Pharmacognosy course is divided into four modules. The module include research work study and report submission.

Module 1

- Cultivation of Medicinal plants
- Modern analytical techniques
- Plant drug standardisations
- Pharmacognosy lab I

Module 2

- Plant Biotechnology
- Advances in Pharmacognosy
- Phytochemistry and Biogenesis
- Pharmacognosy lab II



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Module 3 and 4

- Research work study, dissertation and report submission
- We used lectures, seminars and group tutorials to deliver the modules on the course. You will also be expected to undertake a significant amount of independent study.

Key learning:

Clinical Pharmacology is the study of how drugs influence human physiology and the way the body responds. This understanding forms a vital part of the clinical development of new medicines. In the process of drug development, clinical pharmacologists are particularly important in understanding how the drug influences the natural physiological processes, as well as disease pathology and hence, they have a large role in designing clinical investigations, monitoring patients, exploring pharmacokinetic and pharmacodynamic relationships and testing medicines in specific patient populations. The theme has been constructed to allow those individuals who have a basic foundation in either pharmacology and/or clinical science to expand their knowledge base beyond their initial field of specialisation and hence, to empower them to make critical decisions during the development of a medicine. The taught training modules provide the ability to enhance both theoretical knowledge and practical skills. The training emphasise the integrated learning of pharmacological principles and clinical practical competence with medicines development.

FUTURE DIRECTIONS

Pharmacognosy is the oldest modern natural science. In the last 200 years, there have been substantial developments in the principles and applications of Pharmacognosy.

The current day drug research and discoveries are adopting various traditional medicine based techniques and methods to amplify the results and address the safety concerns of synthetic drugs. To cater to this development, Pharmacognosy has branched out into Clinical Pharmacognosy, Analytical Pharmacognosy and Industrial Pharmacognosy.



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Other offshoots like Molecular Pharmacognosy, Genomic Pharmacognosy and Metabolomic Pharmacognosy are deemed to accommodate future developments in biotechnology, molecular biology and chemical analysis of natural medicines.

Training Outcomes:

By gaining the knowledge, one can be benefited in the following ways:

- when he/she open their own drug shop and start selling medicines according to the prescription of the doctors.
- PG course in the stream of Para medicine are research institutes,
- Job in state-run and private hospitals, pharmaceutical companies such as Ranbaxy and Cipla, food and cosmetic industries, drug inspection organizations, etc.



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Annexure - II

Value added course Details (Academic Year: 2021-22)

VAT Course Name: Clinical Pharmacognosy

VAT Code: VAT 72

Duration in Hours: 36

Number of Students Enrolled: 63

Number of Students Completed: 61

Grades:

G= GOOD ; S = Satisfactory ; P = Poor ; W = Withdraw

Student ID	Student Name	Program/Course	Year	Passing Grade
170921011	ANURAG MISHRA	Bachelor of Pharmacy	4th Year	S
180921001	SHEETAL DHULL	Bachelor of Pharmacy	4th Year	S
180921002	NAND KISHOR	Bachelor of Pharmacy	4th Year	S
180921003	SAPTARSHI DUTTA	Bachelor of Pharmacy	4th Year	G
180921004	TARUN KUMAR	Bachelor of Pharmacy	4th Year	S
180921005	ABHINAV GUPTA	Bachelor of Pharmacy	4th Year	S
180921006	SAMARDEEP SINGH RAWAT	Bachelor of Pharmacy	4th Year	S
180921007	SUMERA SHAMIM	Bachelor of Pharmacy	4th Year	S
180921008	PRADEEP KUMAR	Bachelor of Pharmacy	4th Year	S
180921009	UJJAWAL KAKRAN	Bachelor of Pharmacy	4th Year	S
180921010	PRAJJAVAL	Bachelor of Pharmacy	4th Year	S
180921011	AROHI SAXENA	Bachelor of Pharmacy	4th Year	S
180921013	MOHD SHAZEB	Bachelor of Pharmacy	4th Year	S
180921014	MOHD ARSH FIROZ	Bachelor of Pharmacy	4th Year	S
180921015	MANSI SINGHAL	Bachelor of Pharmacy	4th Year	S
180921016	ROHIT KUMAR	Bachelor of Pharmacy	4th Year	G
180921017	NAMAN KULSHRESTHA	Bachelor of Pharmacy	4th Year	G
180921018	NOMAN SHAREEF	Bachelor of Pharmacy	4th Year	S
180921019	CHIRAG RAWAT	Bachelor of Pharmacy	4th Year	S
180921020	ASHWANI PUNDIR	Bachelor of Pharmacy	4th Year	S
180921021	PIYUSH SAINI	Bachelor of Pharmacy	4th Year	S
180921024	RITIK VERMA	Bachelor of Pharmacy	4th Year	G
180921025	SUYASH TRIVEDI	Bachelor of Pharmacy	4th Year	G
180921026	PRANAV PRAKASH	Bachelor of Pharmacy	4th Year	S
180921027	PRASHANT KUMAR	Bachelor of Pharmacy	4th Year	S
180921028	SHAGUN ARORA	Bachelor of Pharmacy	4th Year	S
180921029	SUDHANSHU PANWAR	Bachelor of Pharmacy	4th Year	S
180921030	GURPREET SINGH	Bachelor of Pharmacy	4th Year	G
180921031	AMIT JOSHI	Bachelor of Pharmacy	4th Year	G
180921034	VISHAL PANJWANI	Bachelor of Pharmacy	4th Year	P
180921035	SANJANA CHAMOLI	Bachelor of Pharmacy	4th Year	S
180921037	SHUBH SINGHAL	Bachelor of Pharmacy	4th Year	G
180921038	RITIK	Bachelor of Pharmacy	4th Year	G
180921039	SHIVANGI SINGH	Bachelor of Pharmacy	4th Year	S
180921040	UTKARSH	Bachelor of Pharmacy	4th Year	S
180921042	PRASHANT KUMAR	Bachelor of Pharmacy	4th Year	G
180921043	SHAHRUKH KHAN	Bachelor of Pharmacy	4th Year	S
180921044	ANISH KUMAR	Bachelor of Pharmacy	4th Year	S
180921045	BHARTI JANGRA	Bachelor of Pharmacy	4th Year	G
180921046	SANJANA RAJ	Bachelor of Pharmacy	4th Year	G


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180921048	SAURABH	Bachelor of Pharmacy	4th Year	S
180921050	AMAN VERMA	Bachelor of Pharmacy	4th Year	S
180921051	MUKUL PAL	Bachelor of Pharmacy	4th Year	S
180921052	VISHAL KUMAR	Bachelor of Pharmacy	4th Year	S
180921053	RITESH KUMAR	Bachelor of Pharmacy	4th Year	S
180921054	MUNAL KUMAR	Bachelor of Pharmacy	4th Year	S
180921055	YASHODHAR CHAUDHARY	Bachelor of Pharmacy	4th Year	G
180921056	GULSHAN KUMAR SINGH	Bachelor of Pharmacy	4th Year	G
180921057	HARSH SINGH	Bachelor of Pharmacy	4th Year	S
180921058	ROHIT DHIMAN	Bachelor of Pharmacy	4th Year	S
180921060	SHREYA SHARMA	Bachelor of Pharmacy	4th Year	S
180921061	HIMANSHI CHAUHAN	Bachelor of Pharmacy	4th Year	S
180921062	PRAKASH KUMAR GUPTA	Bachelor of Pharmacy	4th Year	S
190921900	SHIVANK SHARMA	Bachelor of Pharmacy	4th Year	S
190921901	ANUSHKA	Bachelor of Pharmacy	4th Year	S
190921902	VISHAL SINGH	Bachelor of Pharmacy	4th Year	G
190921903	SURAJ KUMAR SINGH	Bachelor of Pharmacy	4th Year	P
190921904	ARJUN SINGH RANA	Bachelor of Pharmacy	4th Year	S
190921905	KARISHMA CHAUHAN	Bachelor of Pharmacy	4th Year	G
190921906	NEERAJ JOSHI	Bachelor of Pharmacy	4th Year	G
18P277050	AAKASH SAINI	Bachelor of Pharmacy	4th Year	S
ADM/004989	DIBYA DARSHAN KASHYAP	Bachelor of Pharmacy	4th Year	G
ADM/004991	MADHURJYA BORA	Bachelor of Pharmacy	4th Year	G

Submitted
Head
Career Development Cell
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