

CAREER DEVELOPMENT CENTRE



Date: 23rd December 2022.

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


Attention: M.Pharm- II Semester / B.Pharm- VIIIth Semester (Session-EVEN-2022-23)

Above mentioned students are hereby informed that as per the approved value added trainings for the academic year 2022-23, Career Development Centre offers the below mentioned technical training in the Even Semester (2022-23). Details as follows:

Training	Semester	Program	Duration	Date of Commencing
Clinical Pharmacognosy (VAT-72)	VIII	B.Pharm	36	10 th January 2023

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.


Career Services Cell
Mr. Saurav Baidoni
DIT University, Dehradun
Incharge- CDC

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

Clinical Pharmacognosy

VAT-72

Venue: Vishveshwarya 506 | **Duration:** 36 Hrs (10th January 2023 to 23rd April 2023)

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.

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

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.

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.

Value added course Details (Academic Year: 2022-23)

VAT Course Name: Clinical Pharmacognosy

VAT Code: VAT 72

Duration in Hours: 36

Number of Students Enrolled: 94

Number of Students Completed: 91

Grades:

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

Student ID	Student Name	Program/Course	Passing Grade
190921008	SAVITA ARYA	Bachelor of Pharmacy	S
190921021	RITIKA SHARMA	Bachelor of Pharmacy	S
190921045	VIKRANT SIROHI	Bachelor of Pharmacy	G
190921061	VISHAL PANDEY	Bachelor of Pharmacy	G
190921007	HITESH SINGH	Bachelor of Pharmacy	S
190921022	PRIYANKA SHARMA	Bachelor of Pharmacy	S
190921002	SHUBHAM GAUTAM	Bachelor of Pharmacy	S
190921031	MANAV CHHABRA	Bachelor of Pharmacy	G
190921058	PALAK BHATNAGAR	Bachelor of Pharmacy	G
190921023	SWATI JAISWAL	Bachelor of Pharmacy	S
190921064	MOHD SAQUIB KHAN	Bachelor of Pharmacy	S
190921048	ABHISHEK KUMAR	Bachelor of Pharmacy	S
190921004	ABHISHEK RAHI	Bachelor of Pharmacy	G
190921065	ANIKET GARG	Bachelor of Pharmacy	G
190921025	RUCHI BHARDWAJ	Bachelor of Pharmacy	S
190921056	ABHISHEK KUMAR	Bachelor of Pharmacy	S
190921028	SAANIDHYA BAREJA	Bachelor of Pharmacy	S
190921060	ARIHANT PRATAP SINGH	Bachelor of Pharmacy	G
190921019	VANSHIT SINGH	Bachelor of Pharmacy	G
190921032	MANISH RANA	Bachelor of Pharmacy	S
19P277006	RAHUL KUMAR	Bachelor of Pharmacy	S
190921057	DIKSHITA SAINI	Bachelor of Pharmacy	S
190921026	RAHUL KASHYAP	Bachelor of Pharmacy	G
190921013	KUMAR BHASKAR	Bachelor of Pharmacy	G
190921033	ABHISHEK KUMAR	Bachelor of Pharmacy	S
190921084	ABHISHEK RAWAT	Bachelor of Pharmacy	S
190921015	KRISHNA PATEL	Bachelor of Pharmacy	S
190921010	VASU DEV CHAUHAN	Bachelor of Pharmacy	G
190921043	ASIF CHAUDHARY	Bachelor of Pharmacy	G
190921059	RAMANKANT SINGH	Bachelor of Pharmacy	S
190921003	RAVI SINGH	Bachelor of Pharmacy	S
190921024	ANMOL MAMGAIN	Bachelor of Pharmacy	S
190921041	AKSHAY KAMBOJ	Bachelor of Pharmacy	G
190921017	ABHINOVE BHAROTIYAL	Bachelor of Pharmacy	G
190921020	MD SALMAN	Bachelor of Pharmacy	S
190921030	LAXITA CHAUHAN	Bachelor of Pharmacy	S
190921018	ANAMIKA	Bachelor of Pharmacy	S
190921014	SHAKIB ALI	Bachelor of Pharmacy	G
190921053	AAKASH RANJAN	Bachelor of Pharmacy	G
190921009	VIPUL VISHNU SAWASHA	Bachelor of Pharmacy	S
190921027	RITUL SHARMA	Bachelor of Pharmacy	S
190921050	MEGHA KUMARI	Bachelor of Pharmacy	S

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190921075	PRINCE KUMAR	Bachelor of Pharmacy	G
190921034	MOHD. ARMAN	Bachelor of Pharmacy	P
190921011	ANIVESH GANDOTRA	Bachelor of Pharmacy	S
190921012	ROHIT KUMAR TOMAR	Bachelor of Pharmacy	S
190921038	RONIT MALIK	Bachelor of Pharmacy	S
190921036	MOHD FARHAN	Bachelor of Pharmacy	G
190921046	GARV AGGARWAL	Bachelor of Pharmacy	G
190921005	FOZIA KHANUM	Bachelor of Pharmacy	S
190921062	GUNJA KUMARI	Bachelor of Pharmacy	S
190921042	MOHD HARIS KHAN	Bachelor of Pharmacy	S
190921035	ANSHIKA TOMAR	Bachelor of Pharmacy	G
190921047	SHIVANGI SHARMA	Bachelor of Pharmacy	G
190921051	ALFISHA	Bachelor of Pharmacy	S
190921054	RADHA YADAV	Bachelor of Pharmacy	P
190921066	BITTU KUMAR	Bachelor of Pharmacy	S
190921082	AYUSH CHAUHAN	Bachelor of Pharmacy	G
190921085	ARUMYOY BRAHMA	Bachelor of Pharmacy	G
190921067	MOHIT SHARMA	Bachelor of Pharmacy	S
190921078	NEERAJ SHUKLA	Bachelor of Pharmacy	S
190921087	RAJAN KUMAR	Bachelor of Pharmacy	S
190921069	VASU BATRA	Bachelor of Pharmacy	G
190921063	TANZILA ASLAM SIDDIQUI	Bachelor of Pharmacy	G
190921076	GYANENDRA JOSHI	Bachelor of Pharmacy	S
190921074	RIMSHA ASHFAQ	Bachelor of Pharmacy	S
190921089	TANIA	Bachelor of Pharmacy	S
190921077	DISHA VERMA	Bachelor of Pharmacy	G
190921083	WARISH ANSARI	Bachelor of Pharmacy	G
190921079	RIYA SINHA	Bachelor of Pharmacy	S
190921101	SUSHIL YADAV	Bachelor of Pharmacy	S
190921081	PRIYANSHI PUSHKAR	Bachelor of Pharmacy	S
190921086	SATYAM SHARMA	Bachelor of Pharmacy	G
190921094	KABIN SHRESTHA	Bachelor of Pharmacy	G
190921095	SASMIT THARU	Bachelor of Pharmacy	S
190921090	JYOTI TIWARI	Bachelor of Pharmacy	S
190921098	ANKIT ANAND	Bachelor of Pharmacy	S
190921092	MOHD HAROON	Bachelor of Pharmacy	G
190921096	AVNI SINGH	Bachelor of Pharmacy	G
190921088	ANUSHTHI JAIN	Bachelor of Pharmacy	S
190921091	VISHAL BHANDARI	Bachelor of Pharmacy	S
190921093	ABHISHEK SINGH	Bachelor of Pharmacy	S
190921100	VIKAS KUMAR YADAV	Bachelor of Pharmacy	G
190921097	MANIK KHURANA	Bachelor of Pharmacy	G
190921099	TARUN SHARMA	Bachelor of Pharmacy	S
190921102	MOHAMMAD SHAHEED ANSARI	Bachelor of Pharmacy	S
200921900	ABHINAV KUMAR SINGH	Bachelor of Pharmacy	S
200921905	NIDHI DWIVEDI	Bachelor of Pharmacy	P
200921901	SAVLEEN SETHI	Bachelor of Pharmacy	G
200921903	SHRADDHA TRIPATHI	Bachelor of Pharmacy	S
200921904	DIKSHA NEGI	Bachelor of Pharmacy	S
200921906	DEEPAK KUMAR	Bachelor of Pharmacy	S
200921908	DEWANSHI TRIPATHI	Bachelor of Pharmacy	G
200921907	SHIVI KASHYAP	Bachelor of Pharmacy	G