

CAREER DEVELOPMENT CENTRE



Date: 5th January 2021.

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

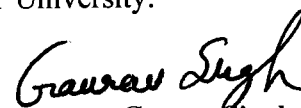
Attention: M.Pharm- II Semester / B.Pharm- VIIIth Semester (Session-EVEN-2020-21)

Above mentioned students are hereby informed that as per the approved value added trainings for the academic year 2020-21, Career Development Centre offers the below mentioned technical trainings in the Even Semester (2020-21). Details as follows:

Training	Semester	Program	Duration	Date of Commencing
Nano Technology and Nano Sensors (VAT-73)	II	M.Pharm	36	13 th January 2021
Clinical Pharmacognosy (VAT-72)	VIII	B.Pharm	36	1 st March 2021

NOTE:

1. The training will run in online mode (till further notice) on MS Team. Students will be assigned batch (as per the schedule) and will be added to their respective MS Teams.
2. It is suggested to all the above-mentioned students to attend the training (detailed schedule will be shared in your respective batch on MS Team).
3. The Department concerned shall notify the details about timings and MS Team batch of the training sessions. In case of any query please contact the Career Development Centre, DIT University.



Gaurav Singh

Head- CDC
Career Development Cell
DIT University, Dehradun

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

Platform: Online - MS TEAM | **Duration:** 36 Hrs (1st March 2021 to 27th March 2021)

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.

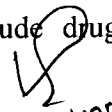
OBJECTIVE:

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


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- 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

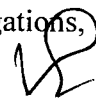
Module 2

- 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,


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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.

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: 2020-21)

VAT Course Name: Clinical Pharmacognosy

VAT Code: VAT 72

Duration in Hours: 36

Number of Students Enrolled: 47

Number of Students Completed: 47

Grades:	G= GOOD ; S = Satisfactory ; P = Poor ; W = Withdraw			
Student ID	Student Name	Program/Course	Year	Passing Grade
170921054	NISHANT NIRWAL	BPharm	4th Year	S
170921024	POONAM SINGH	BPharm	4th Year	S
170921032	KRISHNA MADHESIYA	BPharm	4th Year	G
170921020	MONIKA .	BPharm	4th Year	G
170921005	ZAINUB SAALEHA FIRDAUS	BPharm	4th Year	S
170921058	NEETU KUMARI	BPharm	4th Year	S
170921004	TANNU KUMARI	BPharm	4th Year	S
170921023	UMANG .	BPharm	4th Year	G
170921008	SUMANTA KUMAR SINGH	BPharm	4th Year	G
170921036	SIMRAN KUMARI	BPharm	4th Year	S
170921010	PRIYANKA PAL	BPharm	4th Year	S
170921022	UTSAV TYAGI	BPharm	4th Year	G
170921044	TWINKLE CHATTERJEE	BPharm	4th Year	G
170921026	SAURAV PANWAR	BPharm	4th Year	S
170921056	ABHISHEK SHARMA	BPharm	4th Year	S
170921014	PATHSARTHAK SAXENA	BPharm	4th Year	G
170921055	SAKSHI ANAND	BPharm	4th Year	S
170921034	PUJA KUMARI	BPharm	4th Year	S
180921901	MAYANK RAWAT	BPharm	4th Year	G
170921059	SAWAN BAJAJ	BPharm	4th Year	G
170921041	SHADAB SIDDIQUI	BPharm	4th Year	S
170921025	ANKITA CHATURVEDI	BPharm	4th Year	S
170921021	KUNAL BISHT	BPharm	4th Year	G
170921027	NISCHAY PANDITA	BPharm	4th Year	G
170921003	ADITYA RANA	BPharm	4th Year	S
170921046	SAMYANK GAUTAM	BPharm	4th Year	S
170921033	AGRIM SRIVASTAVA	BPharm	4th Year	G
170921018	RITIKA YADAV	BPharm	4th Year	G
170921060	CHARUL BAHUKHANDI	BPharm	4th Year	S
170921015	KRITIKA BADOLA	BPharm	4th Year	S
170921053	RAJESH KUMAR CHOUBEY	BPharm	4th Year	G
170921057	ABHAY SIROHI	BPharm	4th Year	S
170921016	ANKIT BHARDWAJ	BPharm	4th Year	S
170921040	DEVANSHI GUPTA	BPharm	4th Year	G
170921037	ABHINAV CHAUDHARY	BPharm	4th Year	G
170921038	GAURI GUPTA	BPharm	4th Year	S
170921029	MUSKAN MADAN	BPharm	4th Year	S
170921062	AADITYA CHAUHAN	BPharm	4th Year	G
170921042	SARA CHAUHAN	BPharm	4th Year	G

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Head - CDC
Cell for Development
DIT University, Dehradun

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170921006	PRAJWAL SINGH	BPharm	4th Year	G
170921043	SIMRAN SINGH RATHORE	BPharm	4th Year	S
170921045	SAURABH KUMAR	BPharm	4th Year	S
170921007	PRIYA UNIYAL	BPharm	4th Year	G
170921009	NITESH KAPRI	BPharm	4th Year	S
170921039	PRASHANT KUMAR	BPharm	4th Year	S
170921049	HIMANSHU SINGH	BPharm	4th Year	G
170921031	ADITYA RAJ JOSHI	BPharm	4th Year	G


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