

CAREER DEVELOPMENT CENTRE



Date: 18th December 2019

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

Attention: B.Pharm- VIIIth Semester (Session-EVEN-2019-20)

Above mentioned students are hereby informed that as per the approved value added trainings for the academic year 2019-20, Career Development Centre offers the below mentioned technical trainings in the Even Semester (2019-20). Details as follows:

Training	Semester	Program	Duration	Date of Commencing
Clinical Pharmacognosy (VAT-72)	VIII	B.Pharm	36	12 th January 2020

NOTE: 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.

Gaurav Singh
Head- CDC

Career Development Centre
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

Registrar
DIT University, Dehradun

Clinical Pharmacognosy

VAT-72

Venue: Vishveshwarya 506 | **Duration:** 36 Hrs (12th January 2020 to 25th April 2020)

The Clinical Pharmacognosy training was conducted for students of Bachelor of Pharmacy program (8th 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.



Registrar
DIT University, Dehradun

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:

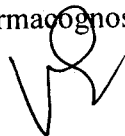
The Pharmacognosy course is divided into four modules. The module include research work study and report submission.

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



Professor
DIT University, Dehradun

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.



Registrar
DIT University, Dehradun

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.



Registrar
DIT University, Dehradun

Annexure - II

Value added course Details (Academic Year: 2019-20)

VAT Course Name: Clinical Pharmacognosy

VAT Code: VAT 72

Duration in Hours: 36

Number of Students Enrolled: 51

Number of Students Completed: 51

Verified
Signature (CDC)

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

Head - CDC
Career Development Cell
DIT University, Dehradun

Student ID	Student Name	Program/Course	Year	Passing Grade
15091003	YASH PRATAP SINGH SOLANKI	BPharm	4th Year	S
15091023	ARUN KUMAR	BPharm	4th Year	S
160921017	SAPTAK CHATTERJEE	BPharm	4th Year	G
160921056	HARSHITA SINGH	BPharm	4th Year	S
160921030	VAISHNAVI VERMA	BPharm	4th Year	S
160921045	RAVI SHARMA	BPharm	4th Year	S
160921014	AYUSHI AGGARWAL	BPharm	4th Year	G
160921032	ATURVA .	BPharm	4th Year	S
160921028	PRINCE KUMAR	BPharm	4th Year	S
160921035	YASH SHARMA	BPharm	4th Year	S
160921011	FAISAL REHMAN	BPharm	4th Year	S
160921037	ROHIT LUTHRA	BPharm	4th Year	G
160921053	KUNDAN KUMAR	BPharm	4th Year	S
160921059	MANISH KUMAR SAXENA	BPharm	4th Year	S
160921002	SAURABH RASTOGI	BPharm	4th Year	S
160921047	AKANSHA KARANWAL	BPharm	4th Year	G
160921036	ABHISHEK OLI	BPharm	4th Year	S
160921046	KAMAL SINGH FARTYAL	BPharm	4th Year	S
160921027	RAJDEEP BARMAN	BPharm	4th Year	G
160921008	RISHU RAJ	BPharm	4th Year	S
160921044	ANJALI THAPA	BPharm	4th Year	G
160921038	FATIMA .	BPharm	4th Year	G
160921021	MOHIT CHAUDHARY	BPharm	4th Year	S
160921016	KRISHNA MOHAN SINGH BHANDARI	BPharm	4th Year	S
160921026	KANCHAN SALUJA	BPharm	4th Year	G
160921019	SHUBHAM MISHRA	BPharm	4th Year	S
160921010	DAKSHITA AGGARWAL	BPharm	4th Year	G
160921012	NISHI SHARMA	BPharm	4th Year	S
160921048	SHIVAM RANA	BPharm	4th Year	S
160921009	HARISH KOTHARI	BPharm	4th Year	S
160921005	HARSHIT RASTOGI	BPharm	4th Year	S
160921007	HITARTH SAH	BPharm	4th Year	S
160921033	RAKSHAK CHOUDHARY	BPharm	4th Year	G
160921050	ARUN KUMAR	BPharm	4th Year	S
160921024	VIKAS .	BPharm	4th Year	S
160921018	NISHI .	BPharm	4th Year	S
160921015	RAJEEV PANWAR	BPharm	4th Year	G
160921029	DIVYANSH PRATAP SINGH	BPharm	4th Year	S
160921004	BASANT KUMAR	BPharm	4th Year	S
160921055	SANDEEP KUMAR	BPharm	4th Year	S

Signature

Registrar
DIT University, Dehradun

160921051	MOHD ARSH .	BPharm	4th Year	S
160921022	SONALI SHRAWAN KUMAR	BPharm	4th Year	G
160921041	AKASH KUMAR GUPTA	BPharm	4th Year	S
160921006	ARUNDEEP .	BPharm	4th Year	S
160921060	ANJALI BISHT	BPharm	4th Year	S
160921057	MOHD AAMIR SUHAIL	BPharm	4th Year	G
160921061	ASLAM MALIK	BPharm	4th Year	S
160921058	SWEETY .	BPharm	4th Year	S
160921062	MAYANK PRATAP SINGH	BPharm	4th Year	G
170921901	SHRUTI SHARMA	BPharm	4th Year	S
170921900	KULDEEP ASWAL	BPharm	4th Year	G



Registrar
DIT University, Dehradun