



INSTITUTIONAL DISTINCTIVENESS

VRIDDHI

VALUE RIDDEN INITIATIVES AND DEVELOPMENT OF INSTITUTION FOR DISTINCTIVE IDENTITY

Vision and Mission statements of Dadasaheb Balpande College of Pharmacy clearly states about making the students competent by providing them necessary exposure and skills in the area of Pharmaceutical Sciences. In order to fulfill vision of institution several activities are planned regularly. Meticulous implementation of such activities ensures noticeable outcome. VRUDDHI is a concept developed at DBCOP to ensure distinctiveness of institution through value added initiatives such as introduction of certificate courses, start-up (entrepreneurship) initiatives etc.

Value Added Certificate Courses:

The curriculum of Bachelor of Pharmacy is given by Pharmacy Council of India, it is adopted by Rashtrasant Tukdoji Maharaj Nagpur University. Therefore it is naturally adopted by its affiliated colleges like ours. As an affiliating institute, we do not have rights to make changes in the given program. Understanding our limitations, we have initiated to introduce short term certificate courses to fill the gap between need of industry and present curriculum. Pharmaceutical industry is very dynamic and need skillful manpower with updated knowledge. Short term certificate courses aims to train students in necessary skills, which will make them industry ready.

Advanced Analytical Equipment Handling Certificate Course (AAEHC):

Sophisticated analytical instruments like GC, HPLC, FTIR are available at central research laboratory of DBCOP. We have decided to give access to these instruments for improving their skills. With this intention we have initiated Advanced Analytical Equipment Handling Certificate Course (AAEHC). This course was first introduced in 2016-17. Course duration is 30 Hrs.

Upon completion of this course students will be able to:

- a. To explain the methods of calibration and qualification criteria as per ICH and USFDA guidelines of Electronic balance, UV-Visible spectrophotometer, IR spectrophotometer, Spectrofluorophotometer, GC and HPLC.



- b. To explain the principle and instrumentation of Thermal Methods of Analysis, X-Ray Diffraction Methods and apply the concept TGA, DTA, DSC, X ray diffraction to interpret the physical characteristics of the drugs.
- c. To interpret FTIR, mass and NMR spectra for identification of organic molecule.
- d. Summarize the methodology for quantitative and qualitative estimation of analysis by HPLC, GC, UV and Fluorometry.

Since last five years more than 230 students are trained under AAEHC. This course was well appreciated and recognised by stakeholders. Training was imparted by experts in the domain. Currently, this course is affiliated to Department of Lifelong Learning and Extension, Rashtrasant Tukdoji Maharaj Nagpur University.

Certificate Course in Employability Skills:

Main objective of the course is to train the students on employability skills to make them competent for job interview. This certificate course is targeted to B. Pharm IIIrd and IVth year, M. Pharm Ist and IInd year students. Total course duration is 30 Hrs. Topics covered under this course are- Resume Writing, Interview Techniques, Group Discussion, Presentation Skills, Art of Public Speaking, Job Search Techniques, Communication Skills, Body Language. This course is now affiliated to Department of Lifelong Learning and Extension, Rashtrasant Tukdoji Maharaj Nagpur University. More than 400 students are trained through this course in last five years.

Certificate Course in Elevating Ethical Practices in Pharmacy Profession:

Course Objectives are 1. To spread awareness about fundamentals of ethical practices in Pharmaceutical Sciences. 2. To train Pharmacy students on ethical practices in Pharmaceutical Sciences. 3. To imbibe and encourage ethical practices among Pharmacy students. After completion of this certificate course it is expected that every student shall understand fundamentals of ethical practices in Pharmaceutical Sciences. This course shall train students on how to practice ethical practices in work-place. This certificate course shall encourage and imbibe students on ethical practices in Pharmaceutical Sciences. After completion of the course, students shall be awarded with certificate.

Course Contains- Definition and fundamentals of ethics, Interpretation of Pharmacist's oath, Publication ethics, Ethical practices in animal handling, Ethical practices in work-place, Concept of research and ethical practices in Pharmaceutical research, Importance of



Ambe Durga Education Society's

Dadasaheb Balpande College of Pharmacy (DBCOP)

Near Swami Samarth Mandir, Besa, Nagpur-37

Biodiversity and Environment Protection, Ethical practices in healthcare and role of Pharmacist, Pharmacist's responsibility towards climate change, Ethical practices in Hazard Management. Total course duration is 30 Hrs. More than 200 students are trained through this course. This course is now affiliated to Department of Lifelong Learning and Extension, Rashtrasant Tukdoji Maharaj Nagpur University.

Innovations and Start-ups:

Culture of innovation and Start-up is initiated at DBCOP. As a result several innovative models, ideas, products were developed by students and faculty members at DBCOP. It includes-Pharmacological Screening Apparatus, Nose-only Exposure System, Mosquito Repellant Cream, Mortuary Cabinet (for handling covid dead bodies).

Governance and Accreditation Technology Interface (GATI) software, Coffee-Toria (Coffee without caffeine) are two start-ups developed by faculty members. Mediev Care is a diagnostic facilitation start-up developed by our student Mr. Pritam Bande under the supervision of faculty members. These start-ups were presented and appreciated in IIC regional meet.



PRINCIPAL
DADASAHEB BALPANDE COLLEGE
OF PHARMACY, BESA, NAGPUR - 37

Dr (Mrs) Ujwala Mahajan

Principal

DBCOP