



Dr. Rafiq Zakaria Campus
Maulana Azad Educational Trust's

Y. B. CHAVAN COLLEGE OF PHARMACY

(B. Pharm, M. Pharm & Research Centre)

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NAAC ACCREDITATION "A" GRADE WITH 3.23 CGPA SCORE

STUDENT CENTRIC METHODS FOR ENHANCE LEARNING

Students are the centre of academic and co-curricular activities at our college. All possible efforts are made to ensure their fullest growth and development in a conducive environment. Mentors/guides are assigned after admission to B. Pharm. and M. Pharm. program to assist students in all aspects for their all round development.

Student-centered approaches such as Inquiry-based methods, Discovery learning, Problem-based learning, Project-based learning, Resource-based learning, Computer-assisted learning, Value added learning, Industrial and community pharmacy training have been adapted to accomplish leaning.

Inquiry-based method:

B. Pharm. and M. Pharm. students are given opportunity to ask questions and are provided with appropriate tools and techniques to generate data during practical work. Further post-graduate students as a part of their research dissertation plans and conduct investigation, think critically and logically about results obtained and give scientific explanations. College conducts debates and seminars on current topics and recent academic advancement and trends.

Discovery learning method:

Used by students to investigate a topic, issue or problem, by real time experimental work, relevant information and interpretation of results to arrive at an appropriate conclusion. Subject theory and practical are structured in course module. All resource material is provided to learners, teachers provide support during practical investigations.

Problem-based learning (PBL):

It is used particularly for post graduate students. The projects or problems are selected based on real-life scenarios (in pharmaceutical sectors); processes of team working, research, data

collection, critical thinking and so on are those which will be of use to the students in their further pharmacy careers. To promote PBL, college IIC and Research and IPR cell seeks active collaboration from pharma industry for industrial projects.

Project-based learning:

This is another approach for student centered learning. The simplest form is project method for B. Pharmacy students to work individually or collaboratively to gather and present information on a topic. Undergraduate projects preparation and submissions are compulsory for B. Pharm.-VII semester. Students also present their project orally by using power point presentation. Model and chart competitions are held to boost understanding of subject.

Resource-based learning (RBL)

A rich library for aiding RBL approach for both B. Pharm. and PG students is provided to learn from self active processing of information using a range of authentic resources through library software (LIBMAN), electronic searches, CD-ROMs or through emails. College library is well equipped with multimedia computers, books, community and research journals, reports, dissertations, thesis, videos, DVDs and online material to obtain information for a chosen topic that student requires. Further the college website provides interactive study material uploaded by teachers. The library is upgraded regularly through library committee and is open for access throughout the year.

Computer-assisted learning

Computers are provided to students in the computer laboratory and library for fast accession of information, communicating electronically with others and producing high quality written work and graphics. Computer software for educational purposes such as LMS, V-life, Chem-draw, PRISM, Pharmacology simulation software, schrodinger, etc. are available. The college has also constituted ICT committee. Computer assisted NPTEL courses are available for students and teachers. Lectures and class presentations are taken using audio-visual aids. Online GPAT tests series are conducted for PG entrance exam by competitive exam guidance committee (CEGC).

Value added learning:

The students are sensitized towards social issues by organizing lectures of eminent personalities from varied strata of society. Further through NSS unit, the students learn the motto of “Not Me But You” and other social responsibilities in NSS camps.

Industrial and community pharmacy training:

The IIIC committee assists undergraduate students for mandatory industrial / community pharmacy training. Regular industrial visits are also organized which give students the idea of working of Pharmaceutical industrial processes. Guest lectures, seminars, workshops by eminent industrial personnel are organized for students.

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences. Some examples for enhancing learning are shown in table 1

Student centric methods are used for enhancing learning experiences some of the methods put in practice by the faculty are shown in the list attached in the additional information tab

Table 1: Some examples for enhancing learning's are

Sr. No.	Course title/activity	Course outcome/ Knowledge/ ability to be developed	Teaching method used	Justification or description
1	Pharmacognosy I	To gain knowledge about local flora and fauna	Resource and project and discovery based learning	Herbarium sheet by collecting plants from local area
2	GPAT preparation	Qualify competitive exam	Rsource and problem based learning	Flash cards with answers at the back
3	Project work	Develop attitude of research in students	Problem, inquiry and research based learning	Project on research work, literature review or survey
4	NSS activity	Develop compassion towards society	Value based learning	Camps are organized, sensitization on social issues are done