



Department of **PHARMACOLOGY**

Goals

The broad goal of teaching pharmacology to undergraduate students is to inculcate in them a rational and scientific basis of therapeutics and to enhance Attitude, ethics and communication skills.

Educational Objectives

Knowledge

1. Describe the pharmacokinetics and Pharmacodynamics of essential and commonly used drugs
2. List the indications, contraindications, interactions and adverse reaction of commonly used drugs
3. Indicate the use of appropriate drugs in a particular disease with consideration of its cost, efficacy and safety for –
 - i) individual needs, and
 - ii) mass therapy under national health programmes
4. Describe the pharmacokinetic basis, clinical presentation, diagnosis and management of common poisonings.
5. Drugs of addiction and recommend the management
6. Classify environmental and occupational pollutants and state the management issues
7. Indicate causations in prescribing drugs in special medical situations such as pregnancy, lactation, infancy and old age.
8. Integrate the concept of rational drug therapy in clinical pharmacology.
9. State the principles underlying the concept of 'Essential Drugs'.
10. Evaluate the ethics and modalities involved in the development and introduction of new drugs.

Skills

1. Prescribe drugs for common ailments.
2. Recognize adverse reaction and interactions of commonly used drugs
3. Interpret the data of experiments designed of the study of effects of drugs and bioassays which are observe during the study.
4. Scan information on common pharmaceutical preparations and critically evaluate drug formulations

Integration

Practical knowledge of use of drugs in clinical practice will be acquired through integrated teaching with clinical departments and pre-clinical departments

Student Support Activity

- **Revision Lectures:** conducted for slow achievers & advance achievers
- **Mentorship:** student allotted to each teacher for academic & personal counseling.
- **Parent teacher meeting:** discussion of attendance and academic progress
- **Student's feedback**
- **Training Programs every year for students** -GCP(Good clinical Practice),ADR identification and ADR reporting
- **Felicitation of toppers in Pharmacology subject in the class** (university result).

Cross Cutting Issues-

- **Gender sensitization & Equality**
- **Legal issues related to Gender**
- **Cross Cutting Issues- Curriculum**

AETCOM- Attitude and Communication skills, Doctor patient relation, Empathy, Right/Wrong

Professional ethics - Ethics in research, Autonomy, Beneficence, Non malfeasance, Consent

Teaching learning methods used

- Didactic lectures with PPT presentation
- Practical
- Small group teaching(SDL, Tutorials, Seminars, OSPE)
- Skill training(Injection techniques) mannequin , prescription writing
- CAL(Computer assisted learning)
- Case based learning(CBL)
- Group discussions
- Competitions
- Communication skills (Small gr activities, Roll play, videos)
- Quiz

Best practice of pharmacology department

“Explore Healing Indian Ancient Plants”

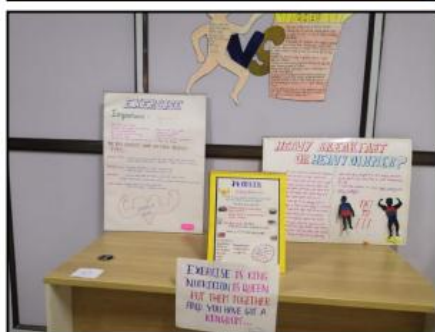
Activities conducted are as follows:

- 1. Competition of poster and models for given medicinal plants
- 2. Tree plantation (medicinal plants).
- 3. Bringing awareness of medicinal plants among community

Tree Plantation



Mode/ & Poster Competitions



Community Awareness about medicinal plants



Photographs of infrastructure and services provided by the department

Lecture Halls



Demo Room



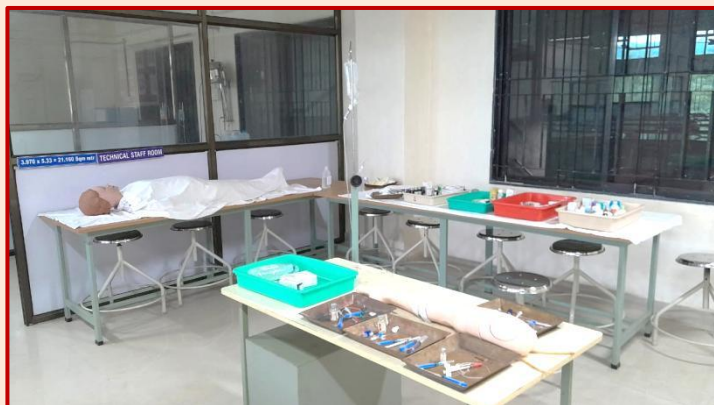
Computer assisted Laboratory (CAL)



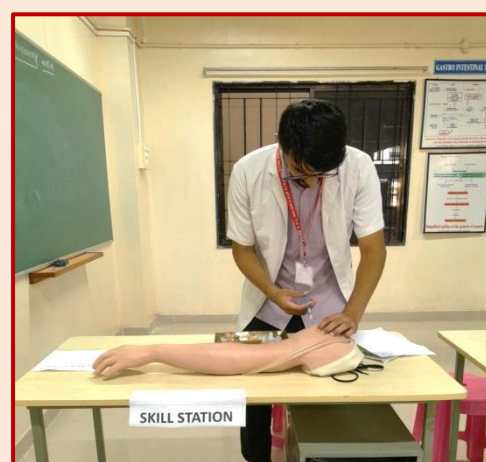
Clinical Pharmacology Laboratory



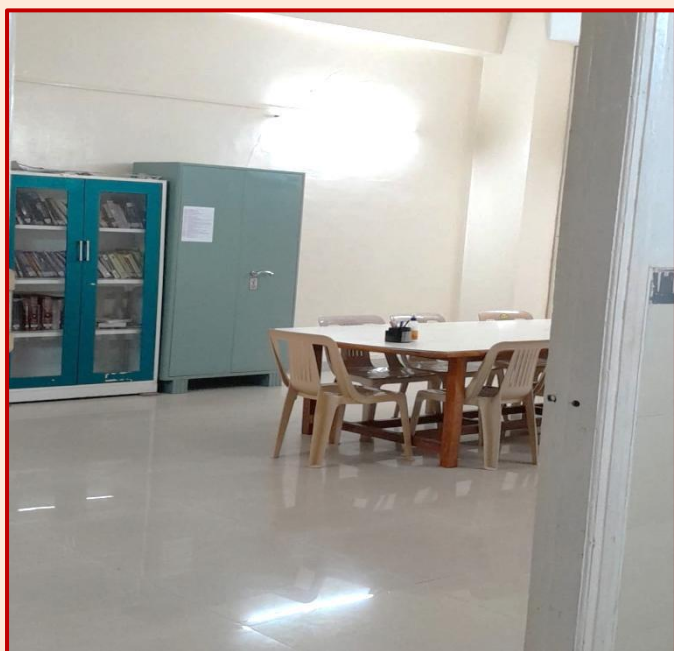
Skills on Simulators



OSPE



Departmental Library



Animal house



Research lab-Pharmacology



Museum

