



**Shri Gajanan Maharaj Shikshan Prasarak Mandal`s**  
**SHARADCHANDRA PAWAR COLLEGE OF PHARMACY**

**DUMBARWADI. (OTUR), TAL: JUNNAR, DIST: PUNE. 412409.**

<b>Code: SPCOP/ADM/FM/</b>	<b>DEPARTMENT : Pharmacology</b>	<b>Ac. Yr. : 2020-21</b>
<b>Rev:00</b>	<b>Syllabus of Practice School</b>	<b>Class: B. Pharm Final Year Sem-VII</b>
<b>Date: 10/08/2021</b>		<b>Pages: 02</b>

**MODULE: PHARMACOLOGY & TOXICOLOGY (150Hrs)**

**SCOPE:**

Course enables the student to understand the various techniques of experimental pharmacological, toxicity study and pharmacovigilance monitoring and reporting system.

**OBJECTIVE:**

Upon completion of the syllabus the student shall be able to answer the following topics:

1. Describe the different instruments animals handling and various pharmacological screening technologies.
2. Explain the details of toxicity study like, regulatory requirement and different types of toxicity testing.
3. Understand the concept of pharmacovigilance, various terminologies, reporting system and detail case study.

**Module-I Experimental Pharmacology Techniques (50Hrs)**

01. Introduction to Instruments used in pharmacology with its applications. (10Hrs)
02. Introduction to Laboratory Animals in details (10Hrs)
03. Animal Handling Techniques (10Hrs)
04. Blood Collection Techniques (10Hrs)
05. Design of Preclinical study (10Hrs)

**Module-II Toxicity Study (50Hrs)**

01. Introduction and historical perspective of Toxicity Study (10Hrs)
02. Regulatory Mechanism of Toxicity Study (20Hrs)
03. Types of Toxicity Study (20Hrs)

**Module- III Pharmacovigilance (50Hrs)**

01. Introduction to Pharmacovigilance (10Hrs)
02. Terminologies Used in Pharmacovigilance (10Hrs)
03. Adverse Event Monitoring and Reporting System (10Hrs)
04. Single Case Processing (10Hrs)
05. Quality System in Pharmacovigilance (10Hrs)