



**DBUGVF'S**  
**Rajarshi Shahu College of Pharmacy, Buldana**  
(Approved by AICTE, PCI, New Delhi and affiliated to Sant Gadge Baba Amravati University, Amravati)

**Academic Year - 2018-19**

**Name of Course: Certificate course in Basics of Toxicology**

**Course Code: RSCPPCOL/18-19/01**

**Course Duration: 30 Hrs**

**SYLLBUS**

**Module I**

Introduction to toxicology, its applications & significance **5 Hrs**

Regulatory guidelines for conducting toxicity studies: OECD, ICH, EPA and Schedule Y.

**Module II**

**7 Hrs**

Acute, sub-acute and chronic toxicity studies (as per OECD guidelines) for:

Oral, Dermal, Inhalation, Eye irritation, Skin sensitization, Dermal irritation, Dermal toxicity

**Module III**

**8 Hrs**

1. Reproductive toxicity studies
2. Carcinogenicity studies
3. Teratogenicity studies
4. Mutagenicity studies

**Module IV**

**7 Hrs**

Safety pharmacology studies

1. CVS, CNS and respiratory safety pharmacology
2. GI, Renal and other studies

**Module V**

**3 Hrs**

Toxicokinetics: Toxicokinetic evaluation in preclinical studies

Alternative methods of animal toxicity testing.

**Approved by**

Sr. No.	Name of Member	Designation	Signature
1	Dr. S. P. Jain	Principal / Subject expert	
2	Dr. Nitin V. Nema	HOD / Coordinator / Subject expert	
3	Dr. S. P. Zambad	Subject expert	
4	Dr. Y. R. Mundhada	Subject expert	
5	Mr. S. S. Hurdade	Subject expert	
6	Mr. M. N. Deokar	Subject expert	
7	Ku. M. V. Bhalke	Subject expert	