

SANDIP FOUNDATION'S

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Course Module

Computer application in pharmacy

Units	Syllabus	Hours
1	<p>Introduction to Computer Applications in Pharmacy</p> <ul style="list-style-type: none">• Overview of computer technology and its significance in pharmacy.• Historical development and milestones in the field of computer applications in pharmacy.• Current trends and future prospects of computer utilization in pharmacy.	2
2	<p>Basics of Computer Systems and Software</p> <ul style="list-style-type: none">• Understanding computer hardware, software, and operating systems.• Introduction to common software applications used in pharmacy practice.• Overview of computer network systems and their importance in pharmacy settings.	4
3	<p>Pharmacy Information Systems</p> <ul style="list-style-type: none">• Introduction to pharmacy information systems (PIS).• Electronic health records (EHR) and their integration with pharmacy practice.• Overview of medication order entry and computerized physician order entry (CPOE) systems.	6
4	<p>Drug Information Management and Retrieval</p> <ul style="list-style-type: none">• Introduction to drug information databases and resources.	6

	<ul style="list-style-type: none"> • Techniques for efficient drug information retrieval using computer-based tools. • Evaluation of drug information sources for accuracy, reliability, and relevance. • Introduction to clinical decision support systems (CDSS) in pharmacy practice. 	
5	Computer Applications in Pharmaceutical Research.	6
6	<p>Emerging Trends in Computer Applications in Pharmacy</p> <ul style="list-style-type: none"> • Exploration of emerging technologies, such as artificial intelligence (AI) and machine learning in pharmacy. • Internet of Things (IoT) applications in pharmacy practice. • Telepharmacy and its role in expanding access to pharmaceutical care. • Ethical considerations and challenges in the use of computers in pharmacy. 	6



Dr. Laxmikant B. Borse
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Dr. Anil G. Jadhav
(Principal)