

SANDIP FOUNDATION'S

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## Course Module

### Computer Applications

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

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



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