



**Course Module**  
**Application of Computer in Pharmacy**

Units	Syllabus	Hours
1	<p style="text-align: center;"><b>Introduction to Computer Applications in Pharmacy</b></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 Hours
2	<p style="text-align: center;"><b>Basics of Computer Systems and Software</b></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 Hours
3	<p style="text-align: center;"><b>Pharmacy Information Systems</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Introduction to pharmacy information systems (PIS).</li> <li><input type="checkbox"/> Electronic health records (EHR) and their integration with pharmacy practice.</li> <li><input type="checkbox"/> Overview of medication order entry and computerized physician order entry (CPOE) systems</li> </ul>	6 Hours

4	<p><b>Drug Information Management and Retrieval</b></p> <ul style="list-style-type: none"> <li>• Introduction to drug information databases and resources.</li> <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>	6 hours
5	<p><b>Computer Applications in Pharmaceutical Research</b></p>	6 hours
6	<p><b>Emerging Trends in Computer Applications in Pharmacy</b></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 hours

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Signature	



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