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## Course 203: Operating System - I

Course Content	
	<p><b>Unit 1. Operating System Concepts</b></p> <ul style="list-style-type: none"><li>1.1. Evolution of Operating System &amp; History</li><li>1.2. Need of an Operating System</li><li>1.3. Single User &amp; Multi User Operating System</li><li>1.4. Elements of an Operating System</li><li>1.5. Operating System as a Resource Manager</li></ul> <p><b>Unit 2. Introduction to File System and File Management</b></p> <ul style="list-style-type: none"><li>2.1. File Concept</li><li>2.2. Operations on File</li><li>2.3. File Access Methods (Sequential Access and Direct Access)</li><li>2.4. Directory Systems File Management Functions.</li><li>2.5. File System and Directory Structure organization.</li><li>2.6. File Protection.</li></ul> <p><b>Unit 3. Introduction of Linux</b></p> <ul style="list-style-type: none"><li>3.1. Introduction of Linux versions</li><li>3.2. Components of Linux</li><li>3.3. Comparison of Windows and Linux</li></ul> <p><b>Unit 4. Linux Administration</b></p> <ul style="list-style-type: none"><li>4.1. Installing Linux</li><li>4.2. Installation of Open Source Software</li><li>4.3. Maintaining User Accounts</li><li>4.4. System Config Services (Package)</li></ul> <p><b>Unit 5. Device Management</b></p> <ul style="list-style-type: none"><li>5.1. Device Management Function</li><li>5.2. Device Characteristics</li><li>5.3. Disk space Management</li><li>5.4. Allocation and Disk Scheduling Methods</li></ul>

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