

<b>Lesson Plan No. 1</b>	<b>Course Name: Operations Research</b>	<b>Course No.: MBA-203</b>
	<b>Topic: Introduction to Operations Research</b>	

<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Articulate the concept of Operations Research</li> <li>Understand the importance and integration of Operations Research for Business decision making.</li> <li>Discuss the concept of Operations Research.</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Use of Power point projection system.</li> <li>Video <a href="https://www.youtube.com/@introductiontooperationsre4975">https://www.youtube.com/@introductiontooperationsre4975</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction (5 minutes)</b> <ul style="list-style-type: none"> <li>Ask questions What do you know about Operations Research?</li> <li>Explain Operations Research / Management Science.</li> <li>Discuss importance of Operations Research as a tool for Decision Making.</li> <li>Introduce the formal definition of Operations Research.</li> </ul> </li> <li><b>Development (25 minutes)</b> <ol style="list-style-type: none"> <li>Operations Research in the eyes of various Scientists and Management experts.               <ul style="list-style-type: none"> <li>Highlight the important characteristics and how it is a useful tool for decision making.</li> <li>Various definitions.</li> <li>Scope of Operations Research.</li> <li>Phases of Management Science.</li> <li>Advantages of Models of Management Science.</li> </ul> </li> <li>Application of operations research.               <ul style="list-style-type: none"> <li>Discuss Models on operations Research &amp; significant advantages.</li> <li>Examine characterizes of a good Model.</li> <li>Opportunities in Operations Science approach.</li> <li>Limitations of Operations Science approach.</li> </ul> </li> <li>Exercise (5 minutes) – Conduct Quiz by asking questions and discuss.</li> </ol> </li> </ol>



<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the Analytical Questions from the Syllabus.</li><li>3. Suggested Reading Operations Research By S Kalavathy.</li><li>4. <a href="https://www.bbau.ac.in/dept/UIET/EME-601%20Operation%20Research.pdf">https://www.bbau.ac.in/dept/UIET/EME-601%20Operation%20Research.pdf</a></li><li>5. <a href="https://mdu.ac.in/UpFiles/UpPdfFiles/2021/Jun/4_06-11-2021_16-06-34_OPERATIONS%20RESEARCH%20TECHNIQUES(20MAT22C5).pdf">https://mdu.ac.in/UpFiles/UpPdfFiles/2021/Jun/4_06-11-2021_16-06-34_OPERATIONS%20RESEARCH%20TECHNIQUES(20MAT22C5).pdf</a></li></ol> <p>Spend 5 minutes to wrap up and consolidate the learning.</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, How?). Allow students to answer and discuss.</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 2</b>	<b>Course Name: Operations Management</b> <b>Topic: Nature, Importance and Functions of Operations Management</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the importance of operations management in business.</li> <li>Identify the key functions of operations management.</li> <li>Explain how operations management contributes to business success.</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video- <a href="https://www.youtube.com/watch?v=V8j5rIfk6o8">https://www.youtube.com/watch?v=V8j5rIfk6o8</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>Why Operations Management is important</li> <li>What are the various functions of Operations Management</li> </ul> </li> <li>Talk about why Operations Management is important</li> <li>List down the various Briefly introduce the topic of operations management.</li> <li>Explain its relevance in the context of business operations. functions of Operations Management</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Explain the concept of Operations Management</li> </ul> </li> <li>Importance and Functions               <ul style="list-style-type: none"> <li>Operational planning</li> <li>Finance</li> <li>Product design</li> <li>Quality control</li> <li>Forecasting</li> <li>Strategy</li> <li>Supply chain management</li> </ul> </li> <li>Highlight the Importance of Operations Management</li> <li>Discuss the Functions of Operations Management</li> <li>Video to be displayed</li> </ol> </li> <li><b>Exercise</b> (5 minutes) –           <ul style="list-style-type: none"> <li>Quiz</li> <li>What is the main role of the operations function within an organization?</li> </ul> </li> </ol>



	<p>A) Do only what the market requires. B) Make things cheaply. C) Design products and services. <b>D) Organize, control, and optimize the processes involved in producing goods and services.</b> - Video to be displayed</p>
<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li><li>4. <a href="https://study.com/academy/lesson/operations-management-planning.html">https://study.com/academy/lesson/operations-management-planning.html</a></li><li>5. <a href="https://study.com/academy/lesson/operations-management-focusing-on-production-efficiency-customer-satisfaction.html">https://study.com/academy/lesson/operations-management-focusing-on-production-efficiency-customer-satisfaction.html</a></li></ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Quiz</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 3</b>	<b>Course Name: Operations Management</b> <b>Topic: Nature, Importance and Functions of Operations Management</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the importance of operations management in business.</li> <li>Identify the key functions of operations management.</li> <li>Explain how operations management contributes to business success.</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video- <a href="https://www.youtube.com/watch?v=V8j5rIfk6o8">https://www.youtube.com/watch?v=V8j5rIfk6o8</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>Why Operations Management is important</li> <li>What are the various functions of Operations Management</li> </ul> </li> <li>Talk about why Operations Management is important</li> <li>List down the various Briefly introduce the topic of operations management.</li> <li>Explain its relevance in the context of business operations. functions of Operations Management</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Explain the concept of Operations Management</li> </ul> </li> <li>Importance and Functions               <ul style="list-style-type: none"> <li>Operational planning</li> <li>Finance</li> <li>Product design</li> <li>Quality control</li> <li>Forecasting</li> <li>Strategy</li> <li>Supply chain management</li> </ul> </li> <li>Highlight the Importance of Operations Management</li> <li>Discuss the Functions of Operations Management</li> <li>Video to be displayed</li> </ol> </li> <li><b>Exercise</b> (5 minutes) –           <ul style="list-style-type: none"> <li>Quiz</li> <li>What is the main role of the operations function within an organization?</li> </ul> </li> </ol>



	<p>A) Do only what the market requires. B) Make things cheaply. C) Design products and services. <b>D) Organize, control, and optimize the processes involved in producing goods and services.</b> - Video to be displayed</p>
<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li><li>4. <a href="https://study.com/academy/lesson/operations-management-planning.html">https://study.com/academy/lesson/operations-management-planning.html</a></li><li>5. <a href="https://study.com/academy/lesson/operations-management-focusing-on-production-efficiency-customer-satisfaction.html">https://study.com/academy/lesson/operations-management-focusing-on-production-efficiency-customer-satisfaction.html</a></li></ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Quiz</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 4</b>	<b>Course Name: Operations Management Topic: Evolution from Manufacturing to Operations Management</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Production Management</li> <li>Understand the concept of Operations Management</li> <li>Explain the evolution from Manufacturing to Operations Management</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Board</li> <li>Case study</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What do you mean by Production Management</li> <li>What do understand by the term Operations Management</li> </ul> </li> <li>Introduce the concept of Production Management</li> <li>Introduce the concept of Operations Management</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Define Production Management</li> <li>Define Operations Management</li> </ul> </li> <li>Evolution               <ul style="list-style-type: none"> <li>Discuss the evolution from Manufacturing to Operations Management</li> <li>Video to be displayed</li> </ul> </li> </ol> </li> <li>Exercise (5 minutes) –           <ul style="list-style-type: none"> <li>Case Study</li> <li>-Quiz</li> <li>-Video to be displayed</li> </ul> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading            Production and Operational Management by K Ashwathappa, Sreedhar Bhat  <a href="https://www.studocu.com/row/document/kaduna-state-university/operation-management/historical-evolution-of-production-and-operation-management/7763316">https://www.studocu.com/row/document/kaduna-state-university/operation-management/historical-evolution-of-production-and-operation-management/7763316</a> .   <a href="https://himadri.cmsdu.org/documents/pom_case_studies.pdf">https://himadri.cmsdu.org/documents/pom_case_studies.pdf</a>            Spend 5 minutes to wrap up and consolidate the learnings</li> </ol>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> </ol>



	2. Conduct Discussion Spend 5 minutes to evaluate student assimilation of the lesson contents
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<b>Lesson Plan No. 5</b>	<b>Course Name: Operations Management Topic: Evolution from Manufacturing to Operations Management</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Production Management</li> <li>Understand the concept of Operations Management</li> <li>Explain the evolution from Manufacturing to Operations Management</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Board</li> <li>Case study</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What do you mean by Production Management</li> <li>What do understand by the term Operations Management</li> </ul> </li> <li>Introduce the concept of Production Management</li> <li>Introduce the concept of Operations Management</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Define Production Management</li> <li>Define Operations Management</li> </ul> </li> <li>Evolution               <ul style="list-style-type: none"> <li>Discuss the evolution from Manufacturing to Operations Management</li> <li>Video to be displayed</li> </ul> </li> </ol> </li> <li>Exercise (5 minutes) –           <ul style="list-style-type: none"> <li>Case Study</li> <li>-Quiz</li> <li>-Video to be displayed</li> </ul> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading            Production and Operational Management by K Ashwathappa, Sreedhar Bhat  <a href="https://www.studocu.com/row/document/kaduna-state-university/operation-management/historical-evolution-of-production-and-operation-management/7763316">https://www.studocu.com/row/document/kaduna-state-university/operation-management/historical-evolution-of-production-and-operation-management/7763316</a> .   <a href="https://himadri.cmsdu.org/documents/pom_case_studies.pdf">https://himadri.cmsdu.org/documents/pom_case_studies.pdf</a>            Spend 5 minutes to wrap up and consolidate the learnings</li> </ol>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> </ol>



	2. Conduct Discussion Spend 5 minutes to evaluate student assimilation of the lesson contents
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<b>Lesson Plan No. 6</b>	<b>Course Name: Operations Management Topic: Emerging Trends in Operations Management</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Understand the concept of ISO b. Understand the concept of TQM
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video- <a href="https://www.youtube.com/watch?v=iGBVWdizfcM">https://www.youtube.com/watch?v=iGBVWdizfcM</a> c. Live Examples of the industry
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What is the full form of ISO</li> <li>What is the full form of TQM</li> <li>What do you mean by standards</li> <li>What do you mean by quality</li> </ul> </li> <li>Talk about International Standard Organisation</li> <li>Talk about Total Quality Management</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>Introduce the formal concept of International Standard Organisation</li> <li>Introduce the formal concept of Total Quality Management</li> </ul> </li> <li><b>ISO and TQM</b> <ul style="list-style-type: none"> <li>Explain in detail International Standard Organisation</li> <li>Discuss in detail Total Quality Management</li> <li>Video to be displayed</li> </ul> </li> </ol> </li> <li><b>Exercise</b> (5 minutes) –           <ul style="list-style-type: none"> <li>Quiz on TQM and ISO</li> <li>Video to be displayed-</li> </ul> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading            Production and Operational Management by K Ashwathappa, Sreedhar Bhat   <a href="https://www.youtube.com/watch?v=qHKzi2vh4kU">https://www.youtube.com/watch?v=qHKzi2vh4kU</a>            Spend 5 minutes to wrap up and consolidate the learnings</li> </ol>



<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>
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<b>Lesson Plan No. 7</b>	<b>Course Name: Operations Management</b> <b>Topic: Emerging Trends in Operations Management</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Understand the concept of ISO b. Understand the concept of TQM
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video- <a href="https://www.youtube.com/watch?v=iGBVWdizfcM">https://www.youtube.com/watch?v=iGBVWdizfcM</a> c. Live Examples of the industry
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li>1. <b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>- Ask questions               <ul style="list-style-type: none"> <li>What is the full form of ISO</li> <li>What is the full form of TQM</li> <li>What do you mean by standards</li> <li>What do you mean by quality</li> </ul> </li> <li>- Talk about International Standard Organisation</li> <li>- Talk about Total Quality Management</li> </ul> </li> <li>2. <b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>a) Introduction               <ul style="list-style-type: none"> <li>- Introduce the formal concept of International Standard Organisation</li> <li>- Introduce the formal concept of Total Quality Management</li> </ul> </li> <li>b) ISO               <ul style="list-style-type: none"> <li>- The International Organization for Standardization (ISO) is an international nongovernmental organization made up of national standards bodies; it develops and publishes a wide range of proprietary, industrial, and commercial standards and is comprised of representatives from various national standards organizations</li> </ul> </li> <li>b. TQM               <ul style="list-style-type: none"> <li>- Total quality management is a structured approach to overall organizational management. The focus of the process is to improve the quality of an organization's outputs, including goods and services, through the continual improvement of internal practices</li> <li>- Explain in detail International Standard Organisation</li> <li>- Discuss in detail Total Quality Management</li> </ul> </li> </ol> </li> </ol> <p>Video to be displayed</p> <ol style="list-style-type: none"> <li>3. <b>Exercise</b> (5 minutes) –           <ul style="list-style-type: none"> <li>- Quiz on TQM and ISO</li> <li>- Video to be displayed-</li> </ul> </li> </ol>



<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li></ol> <p><a href="https://www.youtube.com/watch?v=qHKzi2vh4kU">https://www.youtube.com/watch?v=qHKzi2vh4kU</a></p> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 8</b>	<b>Course Name: Operations Management</b> <b>Topic: Facility Location and Layout</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the importance of facility location and layout in business operations.</li> <li>Learn about the factors that influence facility location decisions.</li> <li>Explore the different types of facility layouts and their advantages and disadvantages.</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video-  <a href="https://www.perplexity.ai/search/Facility-Location-and-Uz1NYnJFRrCZZin87eVFPA?s=u">https://www.perplexity.ai/search/Facility-Location-and-Uz1NYnJFRrCZZin87eVFPA?s=u</a> </li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What do you mean by facility location</li> <li>What do you mean by facility layout</li> </ul> </li> <li>Talk about facility location</li> <li>Talk about facility layout</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>Introduce the formal concept of facility location</li> <li>Introduce the formal concept of facility layout</li> </ul> </li> <li><b>Facility location and layout</b> <ul style="list-style-type: none"> <li>Discuss the need of facility location               <ul style="list-style-type: none"> <li>Customer Proximity: Facility locations are selected closer to the customer as to reduce transportation cost and decrease time in reaching the customer. Business Area: Presence of other similar manufacturing units around makes business area conducive for facility establishment.</li> </ul> </li> <li>Discuss the objectives of facility layout               <ul style="list-style-type: none"> <li>A facility layout's main purpose is to properly arrange workers, equipment, technology, and machines so that the production process is most efficient. In the plant layout, all the tools and people in the production process need to have a set location depending on their role in the various steps of the process.</li> </ul> </li> </ul> </li> </ol> <p>Video to be displayed</p> <p>Exercise (5 minutes) –</p> <p>Video to be displayed</p> </li> </ol>



<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat. <a href="https://www.investopedia.com/terms/f/facility-location-and-layout.asp">https://www.investopedia.com/terms/f/facility-location-and-layout.asp</a></li></ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion on What are the three main factors that influence facility location decisions?</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 9</b>	<b>Course Name: Operations Management</b> <b>Topic: Facility Location and Layout- Strategic Importance</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Understand the strategic importance of Facility Location b. Understand the strategic importance of Facility Layout
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video- <a href="https://www.youtube.com/watch?v=JZJzD1zKgZw">https://www.youtube.com/watch?v=JZJzD1zKgZw</a>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li>1. <b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>- Ask questions               <ul style="list-style-type: none"> <li>Why facility location is important</li> <li>Why facility layout is important</li> </ul> </li> <li>- Talk about the significance of facility location</li> <li>- Talk about the significance of facility layout</li> </ul> </li> <li>2. <b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>a) Introduction               <ul style="list-style-type: none"> <li>- List the key importance of facility location</li> <li>- List the key importance of facility layout</li> </ul> </li> <li>b) Facility location and layout – Strategic importance               <ul style="list-style-type: none"> <li>- Discuss the Strategic importance of facility location</li> <li>- Discuss the Strategic importance of facility layout</li> </ul> </li> </ol> </li> <li>3. <b>Exercise</b> (5 minutes) –           <ul style="list-style-type: none"> <li>-Quiz</li> <li>-Video to be displayed</li> </ul> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>2. Discuss the University Questions from the Syllabus.</li> <li>3. Suggested Reading            Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li> </ol> Spend 5 minutes to wrap up and consolidate the learnings
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>2. Conduct Discussion</li> </ol> Spend 5 minutes to evaluate student assimilation of the lesson contents



Model Institute of Engineering  
& Technology (Autonomous)  
Lesson Plan

Kot, Bhalwal, Jammu



Dr. Arun K. Gupta Teaching-Learning Centre

Version 1.1



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<b>Lesson Plan No. 10</b>	<b>Course Name: Operations Management</b> <b>Topic: Factors affecting Location and Layout</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Explain the factors affecting Location b. Interpret the factors affecting Layout
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video – <a href="https://www.perplexity.ai/search/Factors-affecting-Location-WY5YxZLORkuMgr8fPfKutQ?s=u">https://www.perplexity.ai/search/Factors-affecting-Location-WY5YxZLORkuMgr8fPfKutQ?s=u</a>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>- Ask questions                What are the various factors affecting location                What are the various factors affecting layout</li> <li>- Talk about the various factors affecting location</li> <li>- Talk about the various factors affecting layout</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>- List the various factors affecting location</li> <li>- List the various factors affecting layout</li> </ul> </li> <li><b>Factors affecting location and layout</b> <ul style="list-style-type: none"> <li>- Explain the various factors affecting location</li> <li>- Discuss the various factors affecting layout</li> </ul>           Video to be displayed         </li> </ol> </li> <li><b>Exercise</b> (5 minutes) –           <ul style="list-style-type: none"> <li>- Quiz</li> <li>- Video to be displayed</li> </ul> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li><b>Suggested Reading</b> <ul style="list-style-type: none"> <li>- Production and Operational Management by K Ashwathappa, Sreedhar Bhat.</li> <li>- <a href="https://files.eric.ed.gov/fulltext/EJ1218394.pdf">https://files.eric.ed.gov/fulltext/EJ1218394.pdf</a></li> <li>- <a href="https://www.smartsheet.com/store-layout">https://www.smartsheet.com/store-layout</a></li> </ul> </li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>



<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>
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<b>Lesson Plan No. 11</b>	<b>Course Name: Operations Management</b> <b>Topic: Installation of facilities</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Interpret the installation of facilities – Single Location</li> <li>Interpret the installation of facilities – Multiple Location Decisions</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video <a href="https://www.youtube.com/watch?v=NPYvE0Gmab4">https://www.youtube.com/watch?v=NPYvE0Gmab4</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What do you mean by the word installation</li> <li>What is single location installation</li> <li>What is multiple location installation</li> </ul> </li> <li>Talk about single location installation</li> <li>Talk about multiple location installation</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of installation</li> </ul> </li> <li>Installation of facilities               <ul style="list-style-type: none"> <li>Explain the Installation of facilities – single location decisions</li> <li>Discuss the Installation of facilities – multiple location decisions</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) –           <ul style="list-style-type: none"> <li>Quiz</li> <li>Video to be displayed</li> </ul> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading           <ul style="list-style-type: none"> <li>Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li> <li><a href="https://www.businessnewsdaily.com/5678-value-chain-analysis.html">https://www.businessnewsdaily.com/5678-value-chain-analysis.html</a></li> <li><a href="https://www.fao.org/fileadmin/user_upload/fisheries/docs/Value_Chain_Handbook.pdf">https://www.fao.org/fileadmin/user_upload/fisheries/docs/Value_Chain_Handbook.pdf</a></li> </ul> </li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>Conduct Discussion</li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>



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<b>Lesson Plan No. 12</b>	<b>Course Name: Operations Management</b> <b>Topic: Installation of facilities</b> <b>(Continued.....)</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Interpret the installation of facilities – Single Location b. Interpret the installation of facilities – Multiple Location Decisions
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video
<b>Teaching Development</b>	1. <b>Introduction</b> (05 minutes) - Ask questions What do you mean by the word installation What is single location installation What is multiple location installation - Talk about single location installation - Talk about multiple location installation  2. <b>Development</b> (25 minutes) a) Introduction - Introduce the formal concept of installation  b) Installation of facilities - Explain the Installation of facilities – single location decisions - Discuss the Installation of facilities – multiple location decisions Video to be displayed  3. Exercise (5 minutes) – - Quiz - Video to be displayed
<b>Closure</b>	1. Summarize the Lesson Learning Outcomes and get affirmation from students on these. 2. Discuss the University Questions from the Syllabus. 3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat Spend 5 minutes to wrap up and consolidate the learnings
<b>Evaluation</b>	1. Reflective Questions (What, Why, Who?). Allow students to answer. 2. Conduct Discussion Spend 5 minutes to evaluate student assimilation of the lesson contents



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<b>Lesson Plan No. 13</b>	<b>Course Name: Operations Management</b> <b>Topic: Principles and Types of Facilities Layout</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Explain the principles of Facilities Layout</li> <li>Interpret the Types of Facilities Layout</li> <li>Apply the principles of facilities layout in a real-world scenario</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video- <a href="https://www.youtube.com/watch?v=JZvJ6ZzJZzQ">https://www.youtube.com/watch?v=JZvJ6ZzJZzQ</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction (5 minutes)</b> <ul style="list-style-type: none"> <li>Ask questions</li> <li>Ask students to think about a time when they visited a store or a restaurant and felt that the layout was confusing or inefficient</li> <li>Explain that facilities layout is the process of arranging physical resources in a way that maximizes efficiency and productivity</li> <li>Introduce the key principles of facilities layout: flow, space utilization, and flexibility</li> <li>What are various principles of facilities layout</li> <li>What are the various types of facilities of layout</li> <li>Talk about the various principles of facilities layout</li> <li>Talk about the various types of facilities layout</li> </ul> </li> <li><b>Development (25 minutes)</b> <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>List down:                   <ul style="list-style-type: none"> <li>Principles of facilities layout</li> <li>Types of facilities layout                       <ul style="list-style-type: none"> <li>process,</li> <li>product,</li> <li>and fixed-position;</li> </ul> </li> </ul> </li> <li>Facilities Layout – Principles and Types               <ul style="list-style-type: none"> <li>Explain in detail the principles of facilities layout</li> <li>Discuss the various types of facilities layout in detail</li> </ul> </li> </ul></li></ol> </li> <li>Exercise (5 minutes) –           <ul style="list-style-type: none"> <li>Quiz</li> <li>Video to be displayed</li> </ul> </li> </ol>



<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://www.investopedia.com/terms/f/facility-layout.asp">https://www.investopedia.com/terms/f/facility-layout.asp</a> <a href="https://www.cleverism.com/facility-layout/">https://www.cleverism.com/facility-layout/</a></li></ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 14</b>	<b>Course Name: Operations Management Topic: Capacity Planning- Concept and Factors Affecting</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Understand the concept of capacity planning b. Interpret the various factors affecting capacity planning
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video- <a href="https://www.youtube.com/watch?v=IRzpd1eATjY">https://www.youtube.com/watch?v=IRzpd1eATjY</a>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li>1. <b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>- Ask questions What do you understand by the term ‘Planning’ What are the various factors affecting capacity planning</li> <li>- Introduce the formal concept of capacity planning</li> </ul> </li> <li>2. <b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>a) Introduction               <ul style="list-style-type: none"> <li>- Explain the concept of capacity planning</li> </ul> </li> <li>b) Capacity Planning – factors affecting               <ul style="list-style-type: none"> <li>- Discuss various factors affecting capacity planning Production facility Product line or matrix Production technology Human capital Operational structure External structure Video to be displayed</li> </ul> </li> </ol> </li> <li>3. Exercise (5 minutes) –           <ul style="list-style-type: none"> <li>-Quiz</li> <li>-Video to be displayed</li> </ul> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>2. Discuss the University Questions from the Syllabus.</li> <li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat  <a href="https://hkilter.com/images/d/d7/IsI-343-Strategic-Capacity-Planning.pdf">https://hkilter.com/images/d/d7/IsI-343-Strategic-Capacity-Planning.pdf</a>  <a href="https://www.scribd.com/doc/213674443/Determinants-of-Effective-Capacity-Planning">https://www.scribd.com/doc/213674443/Determinants-of-Effective-Capacity-Planning</a></li> </ol>



	Spend 5 minutes to wrap up and consolidate the learnings
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li></ol> Spend 5 minutes to evaluate student assimilation of the lesson contents

<b>Lesson Plan No. 15</b>	<b>Course Name: Operations Management</b> <b>Topic: Capacity Planning Decisions</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of capacity planning decisions</li> <li>Interpret the various factors affecting capacity planning decisions</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video- <a href="https://www.youtube.com/watch?v=5-hhfBXYkec">https://www.youtube.com/watch?v=5-hhfBXYkec</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction (05 minutes)</b> <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What do you understand by the term 'Planning'</li> <li>What do you mean by the term 'planning decisions'</li> </ul> </li> <li>Introduce the formal concept of capacity planning decisions</li> </ul> </li> <li><b>Development (25 minutes)</b> <ul style="list-style-type: none"> <li>A)Introduction               <ul style="list-style-type: none"> <li>Explain the concept of capacity planning decisions</li> <li>Identifying Capacity Requirements: This involves forecasting future demand and identifying the levels of capacity needed, taking into account long-term patterns, economic changes, technology, and demographic shifts.</li> <li>Developing Capacity Alternatives: Once capacity requirements are identified, the organization needs to develop a set of alternatives to meet future capacity. This can include options such as working overtime, building a new facility, or investing in new technology</li> <li>Evaluating Capacity Alternatives: The final step is to evaluate the capacity alternatives, considering the costs, benefits, and risks of each option. This step involves conducting a risk analysis, implementing risk controls, and performing cost-benefit analysis to make informed decisions</li> </ul> </li> <li>b)Capacity Planning Decisions               <ul style="list-style-type: none"> <li>Discuss various factors affecting capacity planning decisions</li> <li>Explain the importance of capacity planning decisions</li> </ul> </li> <li>c)               <ul style="list-style-type: none"> <li>Explain the concept of capacity planning decisions</li> </ul> </li> <li>d) Capacity Planning Decisions               <ul style="list-style-type: none"> <li>Discuss various factors affecting capacity planning decisions</li> <li>Explain the importance of capacity planning decisions</li> </ul> </li> </ul> </li> <li><b>Exercise (5 minutes) –</b></li> </ol>



	<p>-Quiz -Video to be displayed</p>
<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://www.projectmanager.com/training/3-capacity-planning-tips-teams">https://www.projectmanager.com/training/3-capacity-planning-tips-teams</a></li></ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 16</b>	<b>Course Name: Operations Management</b> <b>Topic: Capacity Planning Decisions</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of capacity planning decisions</li> <li>Interpret the various factors affecting capacity planning decisions</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video- <a href="https://www.youtube.com/watch?v=5-hhfBXykec">https://www.youtube.com/watch?v=5-hhfBXykec</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction (05 minutes)</b> <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What do you understand by the term 'Planning'</li> <li>What do you mean by the term 'planning decisions'</li> </ul> </li> <li>Introduce the formal concept of capacity planning decisions</li> </ul> </li> <li><b>Development (25 minutes)</b> <ul style="list-style-type: none"> <li>A) Introduction               <ul style="list-style-type: none"> <li>Explain the concept of capacity planning decisions</li> <li>Identifying Capacity Requirements: This involves forecasting future demand and identifying the levels of capacity needed, taking into account long-term patterns, economic changes, technology, and demographic shifts.</li> <li>Developing Capacity Alternatives: Once capacity requirements are identified, the organization needs to develop a set of alternatives to meet future capacity. This can include options such as working overtime, building a new facility, or investing in new technology</li> <li>Evaluating Capacity Alternatives: The final step is to evaluate the capacity alternatives, considering the costs, benefits, and risks of each option. This step involves conducting a risk analysis, implementing risk controls, and performing cost-benefit analysis to make informed decisions</li> </ul> </li> <li>b) Capacity Planning Decisions               <ul style="list-style-type: none"> <li>Discuss various factors affecting capacity planning decisions</li> <li>Explain the importance of capacity planning decisions</li> </ul> </li> <li>c)               <ul style="list-style-type: none"> <li>Explain the concept of capacity planning decisions</li> </ul> </li> <li>d) Capacity Planning Decisions               <ul style="list-style-type: none"> <li>Discuss various factors affecting capacity planning decisions</li> <li>Explain the importance of capacity planning decisions</li> </ul> </li> </ul> </li> <li><b>Exercise (5 minutes) –</b></li> </ol>



	<p>-Quiz -Video to be displayed</p>
<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://www.projectmanager.com/training/3-capacity-planning-tips-teams">https://www.projectmanager.com/training/3-capacity-planning-tips-teams</a></li></ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 17</b>	<b>Course Name: Operations Management</b> <b>Topic: PPC – Concept and Importance</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Understand the concept of Production Planning and Control b. Discuss the importance of Production Planning and Control
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video- <a href="https://www.youtube.com/watch?v=PGaDeJ-oKzQ">https://www.youtube.com/watch?v=PGaDeJ-oKzQ</a>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li>1. <b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>- Ask questions                What do you understand by the term ‘Production’                What do you mean by the term ‘Planning’                What do understand by the term ‘Control’</li> <li>- Introduce the formal concept of: -                1. Production    2. Planning    3. Control</li> </ul> </li> <li>2. <b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>a) Introduction               <ul style="list-style-type: none"> <li>- Explain the concept of Production Planning and Control</li> <li>- <b>Production planning</b> is one part of production planning and control that deals with basic concepts of what to produce, when to produce, how much to produce, etc.</li> <li>- It is required for scheduling, dispatch, inspection, quality management, inventory management, supply management, and equipment management.</li> <li>- Production planning takes care of two basic strategies: product planning and process planning.</li> <li>- It is done at three different time-dependent levels: long-range planning, medium-range planning, and short-term production control.</li> <li>- The benefits of production planning are that it ensures optimum utilization of production capacity, reduces investment in inventory, and reduces overall production cost by driving in efficiency.</li> <li>- <b>Production control</b> ensures that the production team can achieve the required production target, optimum utilization of resources, quality management, and cost savings.</li> <li>- It uses different control techniques to reach optimum performance from the production system.</li> <li>- The benefits of production control are that it ensures the right quality and quantity of equipment, raw materials, and more are</li> </ul> </li> </ol> </li> </ol>



	<p>available during production times, and it ensures capacity utilization is aligned with forecast demand.</p> <p>b) Production Planning and Control – Importance</p> <ul style="list-style-type: none"><li>- Explain the importance of capacity Line Balancing</li><li>Video to be displayed</li></ul> <p>3. Exercise (5 minutes) –</p> <ul style="list-style-type: none"><li>- Quiz</li><li>- Video to be displayed</li></ul>
<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li></ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 18</b>	<b>Course Name: Operations Management</b> <b>Topic: PPC – Functions</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Understand the concept of Production Planning and Control b. Discuss the functions of Production Planning and Control
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video- <a href="https://www.youtube.com/channel/UCXeate-c17ew1TNhfQEGB-A">https://www.youtube.com/channel/UCXeate-c17ew1TNhfQEGB-A</a>
<b>Teaching Development</b>	1. <b>Introduction</b> (05 minutes) - Ask questions What do you understand by the term ‘Production Planning and Control’ - Talk about Production Planning and Control  2. <b>Development</b> (25 minutes) a) Introduction - Introduce the formal concept of Production Planning and Control b) Production Planning and Control – Functions - Discuss the functions of Production Planning and Control Materials Function Machines and Equipment Methods Process Planning (Routing) Estimating Loading and Scheduling Dispatching Expediting Inspection Evaluation Video to be displayed  3. Exercise (5 minutes) – -Quiz -Video to be displayed
<b>Closure</b>	1. Summarize the Lesson Learning Outcomes and get affirmation from students on these. 2. Discuss the University Questions from the Syllabus. 3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat 4. <a href="https://www.sydle.com/blog/production-planning-and-control-618d56762c9828380c0f398f">https://www.sydle.com/blog/production-planning-and-control-618d56762c9828380c0f398f</a> 5. <a href="https://www.wordstream.com/ppc">https://www.wordstream.com/ppc</a>



	Spend 5 minutes to wrap up and consolidate the learnings
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Quiz</li></ol> Spend 5 minutes to evaluate student assimilation of the lesson contents

<b>Lesson Plan No. 19</b>	<b>Course Name: Operations Management</b> <b>Topic: PPC – Factors Affecting</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the importance of production planning and control in manufacturing.</li> <li>Identify the factors that affect production planning and control.</li> <li>Learn how to optimize production planning and control to improve efficiency and reduce costs.</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video- <a href="https://www.youtube.com/watch?v=74GZVSBWDEg">https://www.youtube.com/watch?v=74GZVSBWDEg</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction (05 minutes)</b> <ul style="list-style-type: none"> <li>Ask questions What are the various factors affecting Production Planning and Control</li> <li>Talk about various factors affecting Production Planning and Control</li> <li>Introduce the topic of production planning and control and its importance in manufacturing.</li> </ul> </li> <li><b>Development (25 minutes)</b> <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>List the various factors affecting Production Planning and Control</li> </ul> </li> <li><b>Production Planning and Control – Factors affecting</b> <ul style="list-style-type: none"> <li>Discuss Factors affecting Production Planning and Control</li> <li>Volume of Production</li> <li>Nature of Production</li> <li>Nature of Operations</li> <li>Magnitude of Operations</li> <li>Market Forecast</li> <li>Sales Order</li> <li>Standard Process Sheet</li> <li>Load Charts</li> <li>Project Planning Method</li> </ul> </li> </ol> <p>Video to be displayed</p> <p>Exercise (5 minutes) –</p> <p>Video to be displayed</p> </li> </ol>



<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li><li>4. <a href="https://www.vssut.ac.in/lecture_notes/lecture1429900757.pdf">https://www.vssut.ac.in/lecture_notes/lecture1429900757.pdf</a></li></ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Quiz - Quiz Questions: What is production planning and control? Why is forecasting important in production planning? What are some techniques for optimizing production planning and control?</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 20</b>	<b>Course Name: Operations Management</b> <b>Topic: Aggregate Capacity Planning</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Aggregate Capacity Planning</li> <li>Discuss the functioning of Aggregate Capacity Planning</li> <li>Interpret the importance of Aggregate Capacity Planning</li> <li>Identify the factors influencing aggregate capacity planning.</li> <li>Learn the strategies and techniques used in aggregate capacity planning.</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video-<a href="https://study.com/academy/lesson/aggregate-planning-process-services-vs-manufacturing-strategies.html">https://study.com/academy/lesson/aggregate-planning-process-services-vs-manufacturing-strategies.html</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What do you mean by the word Aggregate</li> <li>What do you understand by the term 'Aggregate Capacity Planning'</li> </ul> </li> <li>Introduce the formal concept of Aggregate Capacity Planning</li> <li>Introduce the concept of aggregate capacity planning and its importance in production and service operations.</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Define Aggregate Capacity Planning</li> </ul> </li> <li>Aggregate Capacity Planning               <ul style="list-style-type: none"> <li>Discuss the functioning of Aggregate Capacity Planning</li> <li>Explain the importance of Aggregate Capacity Planning</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) – Quiz Video to be displayed</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li> <li><a href="https://www.coursesidekick.com/economics/292867">https://www.coursesidekick.com/economics/292867</a></li> <li><a href="https://study.com/academy/lesson/capacity-planning-types-lead-lag-average-strategies.html">https://study.com/academy/lesson/capacity-planning-types-lead-lag-average-strategies.html</a></li> </ol>



	Spend 5 minutes to wrap up and consolidate the learnings
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Quiz “ Quiz Questions: -What is the primary goal of aggregate capacity planning? -Name two factors that influence aggregate capacity planning. -Provide an example of a strategy used in aggregate capacity planning.</li></ol> Spend 5 minutes to evaluate student assimilation of the lesson contents

<b>Lesson Plan No. 21</b>	<b>Course Name: Operations Management</b> <b>Topic: Approaches to Aggregate Planning</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Discuss the various Approaches to Aggregate Planning
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li>1. <b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>- Ask questions What are the various approaches to Aggregate Planning</li> <li>- Talk about various Approaches to Aggregate Planning</li> </ul> </li> <li>2. <b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>a) Introduction               <ul style="list-style-type: none"> <li>- List the various Approaches to Aggregate Planning</li> </ul> </li> <li>b) Aggregate Capacity Planning - Approaches               <ul style="list-style-type: none"> <li>- Discuss the various Approaches of Aggregate Planning Top-down Approach Bottom-up Approach Rough-cut Approach Mathematical Approaches</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>3. Exercise (5 minutes) – Quiz Video to be displayed</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>2. Discuss the University Questions from the Syllabus.</li> <li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>2. Conduct Discussion</li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 22</b>	<b>Course Name: Operations Management</b> <b>Topic: Scheduling, Loading and Sequencing</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concepts of scheduling, loading, and sequencing in the context of computer science or manufacturing.</li> <li>Identify the importance of efficient scheduling, loading, and sequencing in various applications.</li> <li>Analyze real-world examples to comprehend the practical implications of these concepts.</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video- <a href="https://www.youtube.com/watch?v=P82GoDY_3yA">https://www.youtube.com/watch?v=P82GoDY_3yA</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What do you mean by the word Scheduling</li> <li>What do you mean by the word Loading</li> <li>What do you mean by the word Sequencing</li> </ul> </li> <li>Talk about Scheduling, Loading and Sequencing</li> <li>Engage students with a real-world scenario that requires effective scheduling, loading, or sequencing.</li> <li>Highlight the significance of these concepts in optimizing processes and resource utilization.</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of:                   <ul style="list-style-type: none"> <li>Scheduling</li> <li>Loading</li> <li>Sequencing</li> </ul> </li> </ul> </li> <li>Scheduling, Loading and Sequencing               <ul style="list-style-type: none"> <li>Discuss the following:                   <ul style="list-style-type: none"> <li>Scheduling</li> <li>Loading</li> <li>Sequencing</li> </ul> </li> <li>Video to be displayed</li> </ul> </li> </ol> </li> <li><b>Exercise</b> (5 minutes) –           <ul style="list-style-type: none"> <li>Video to be displayed</li> </ul> </li> </ol>



<b>Closure</b>	<ol style="list-style-type: none"> <li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>2. Discuss the University Questions from the Syllabus.</li> <li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li> <li>4. <a href="https://courseware.cutm.ac.in/wp-content/uploads/2020/06/sequencing-pdf.pdf">https://courseware.cutm.ac.in/wp-content/uploads/2020/06/sequencing-pdf.pdf</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>2. Conduct Discussion</li> <li>3. Quiz : <ul style="list-style-type: none"> <li>-What is the primary goal of scheduling in a manufacturing environment?</li> <li>-Provide an example of a scheduling algorithm used in operating systems.</li> <li>-Why is sequencing important in the context of job processing?</li> </ul> </li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 23</b>	<b>Course Name: Operations Management</b> <b>Topic: Work Study</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Work Study</li> <li>Interpret the Objectives and Roles of Work Study</li> <li>Explain the Types and Advantages of Work Study</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video- <a href="https://www.youtube.com/watch?v=nDUN_Kndxbc">https://www.youtube.com/watch?v=nDUN_Kndxbc</a></li> <li>Live Examples</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions What do you understand by the term 'Work Study'</li> <li>Talk about Work Study</li> </ul> </li> <li><b>Development</b>( 25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Work Study</li> <li>Define Work Study</li> </ul> </li> <li>Work Study:               <ul style="list-style-type: none"> <li>Discuss the Objectives and Roles of Work Study</li> <li>Explain the Types and Advantages of Work Study</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) – Video to be displayed</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li> <li><a href="https://egyankosh.ac.in/bitstream/123456789/31709/1/Unit-6.pdf">https://egyankosh.ac.in/bitstream/123456789/31709/1/Unit-6.pdf</a></li> <li><a href="https://nscpolteksby.ac.id/ebook/files/Ebook/Hospitality/Production%20and%20Operations%20Management%20(2008)/8.%20Chapter%207%20-%20WORK%20STUDY%20%28TIME%20AND%20">https://nscpolteksby.ac.id/ebook/files/Ebook/Hospitality/Production %20and%20Operations%20Management%20(2008)/8.%20Chapter %207%20-%20WORK%20STUDY%20%28TIME%20AND%20</a></li> <li><a href="https://satadrukashyap.files.wordpress.com/2019/11/meb16043_concept-of-work-study.pdf">https://satadrukashyap.files.wordpress.com/2019/11/meb16043_concept-of-work-study.pdf</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>Conduct Discussion</li> <li>Quiz</li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>



Model Institute of Engineering  
& Technology (Autonomous)  
Lesson Plan

Kot, Bhalwal, Jammu



Dr. Arun K. Gupta Teaching-Learning Centre

Version 1.1



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<b>Lesson Plan No. 24</b>	<b>Course Name: Operations Management</b> <b>Topic: Productivity</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Productivity</li> <li>Interpret the measurement of Productivity and levels of Productivity measurement</li> <li>Explain the ways of enhancing Productivity</li> <li>To identify the factors that affect productivity in operations management</li> <li>To understand the importance of productivity in operations management</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Numerical on Productivity</li> <li>Board</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask students if they have ever heard of the term productivity and what it means to them.</li> <li>Explain that productivity is an important concept in operations management and that it refers to the efficiency of a production process.</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>Introduce the formal concept of Productivity</li> <li>Define Productivity</li> <li>Importance of productivity in operations management</li> <li>Factors that affect productivity in operations management</li> </ul> </li> <li><b>Productivity:</b> <ul style="list-style-type: none"> <li>Discuss the measurement of Productivity and levels of Productivity measurement</li> <li>Explain the ways of enhancing Productivity</li> </ul> </li> </ol> <p>Video to be displayed</p> <p>Exercise (5 minutes) –</p> <p>Video to be displayed</p> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li> <li><a href="https://www.investopedia.com/terms/p/productivity.asp">https://www.investopedia.com/terms/p/productivity.asp</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>



<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Conduct Quiz :<ul style="list-style-type: none"><li>-What are some benefits of improving productivity in operations management?</li><li>-What are some ways to improve productivity in operations management?</li><li>-What are some productivity improvement techniques?</li></ul></li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>
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<b>Lesson Plan No. 25</b>	<b>Course Name: Operations Management</b> <b>Topic: Method Study</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able : <ol style="list-style-type: none"> <li>To understand the concept of method study in operations management</li> <li>To learn the steps involved in method study</li> <li>To understand the benefits of method study in improving efficiency and productivity</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video  <a href="https://www.youtube.com/watch?v=JZvJvJvZJvE">https://www.youtube.com/watch?v=JZvJvJvZJvE</a> </li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions                What do you understand by the term ‘Method Study’                Talk about Method Study                Introduce the topic of method study in operations management                Explain the importance of method study in improving efficiency and productivity in organizations</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>Introduce the formal concept of Method Study</li> <li>Define Method Study</li> </ul> </li> <li><b>Method Study:</b> <ul style="list-style-type: none"> <li>Discuss the Objectives and Advantages of Method Study</li> <li>Explain the Scope and Methodology of Method Study</li> <li>Explain the concept of method study and its importance in operations management</li> <li>Discuss the steps involved in method study, including data collection, analysis, and improvement</li> <li>Provide examples of how method study has been used to improve efficiency and productivity in organizations</li> </ul> </li> </ol> </li> <li>Video to be displayed            Exercise (5 minutes) –            Video to be displayed</li> </ol>



<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li><li>4. <a href="https://www.sweetprocess.com/operations-management/">https://www.sweetprocess.com/operations-management/</a></li><li>5. Spend 5 minutes to wrap up and consolidate the learnings</li></ol>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Three simple quiz questions to test the learnings of the students:<ul style="list-style-type: none"><li>-What is method study?</li><li>-What are the steps involved in method study?</li><li>-What are the benefits of method study in operations management?</li></ul></li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 26</b>	<b>Course Name: Operations Management</b> <b>Topic: Work Measurement</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Work Measurement</li> <li>Interpret the Objectives and Uses of Work Measurement</li> <li>Explain the Techniques and Process of Work Measurement</li> <li>Understand the importance of work measurement in operations management</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video  <a href="https://www.youtube.com/watch?v=JZJvGJzjJZ0">https://www.youtube.com/watch?v=JZJvGJzjJZ0</a> </li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions</li> <li>Ask students if they have ever wondered how companies measure the work done by their employees</li> <li>Explain that work measurement is a technique used to determine the time it takes to complete a task</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>Introduce the formal concept of Work Measurement</li> <li>Define Work Measurement</li> </ul> </li> <li><b>Work Measurement:</b> <ul style="list-style-type: none"> <li>Discuss the Objectives and Uses of Work Measurement</li> <li>Explain the Techniques and Process of Work Measurement</li> <li>Explain the different methods of work measurement, such as time study, predetermined motion time systems, and work sampling</li> <li>Discuss the advantages and disadvantages of each method</li> <li>Give examples of how work measurement is used in different industries</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li><b>Exercise</b> (5 minutes) –            Quiz            Video to be displayed</li> </ol>



<b>Closure</b>	<ol style="list-style-type: none"><li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li><li>2. Discuss the University Questions from the Syllabus.</li><li>3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li></ol> <ol style="list-style-type: none"><li>1. <a href="https://www.investopedia.com/terms/w/work-measurement.asp">https://www.investopedia.com/terms/w/work-measurement.asp</a></li><li>2. <a href="https://www.investopedia.com/terms/w/work-measurement.asp">https://www.investopedia.com/terms/w/work-measurement.asp</a></li><li>3.</li></ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Quiz</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 27</b>	<b>Course Name: Operations Management Topic: Material Management- Concept &amp; Importance</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Material Management</li> <li>Interpret the Objectives of Material Management</li> <li>Explain the Importance of Material Management</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video <a href="https://www.youtube.com/watch?v=JZJzDvzvJZw">https://www.youtube.com/watch?v=JZJzDvzvJZw</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions</li> <li>What do you understand by the term ‘Material Management’</li> <li>Talk about Material Management</li> <li>Explain that material management is the process of planning, organizing, and controlling the flow of materials from their initial purchase to their final destination</li> <li>Discuss why material management is important for businesses to be successful</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>Introduce the formal concept of Material Management</li> <li>Define Material Management and its components</li> </ul> </li> <li><b>Material Management:</b> <ul style="list-style-type: none"> <li>Discuss the Objectives of Material Management</li> <li>Provide examples of how material management can improve efficiency and reduce costs</li> <li>Explain the Importance of Material Management</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li><b>Exercise</b> (5 minutes) – Video to be displayed</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li><b>Suggested Reading</b> Production and Operational Management by K Ashwathappa, Sreedhar Bhath</li> <li><a href="https://www.investopedia.com/terms/m/materials-management.asp">https://www.investopedia.com/terms/m/materials-management.asp</a> <a href="https://www.investopedia.com/terms/m/materials-management.asp">https://www.investopedia.com/terms/m/materials-management.asp</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>



<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Quiz</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>
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<b>Lesson Plan No. 28</b>	<b>Course Name: Operations Management</b> <b>Topic: Integrated System of Material Management</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Integrated System of Material Management</li> <li>Interpret the Scope of Integrated System of Material Management</li> <li>Explain the Functions of Integrated System of Material Management</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Discussion</li> <li>Live Examples</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions What do you understand by the term ‘Integrated System of Material Management’ Talk about Integrated System of Material Management</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Integrated System of Material Management</li> <li>Define Integrated System of Material Management</li> </ul> </li> <li>Integrated Material Management:               <ul style="list-style-type: none"> <li>Discuss the Scope of Integrated System of Material Management</li> <li>Explain the Functions of Integrated System of Material Management</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) – Video to be displayed Quiz</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the Analytical Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://www.egyankosh.ac.in/bitstream/123456789/81757/3/Unit-1.pdf">https://www.egyankosh.ac.in/bitstream/123456789/81757/3/Unit-1.pdf</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>



<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Conduct Quiz</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>
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<b>Lesson Plan No. 29</b>	<b>Course Name: Operations Management</b> <b>Topic: Material Requirement Planning</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Material Requirement Planning</li> <li>Interpret the Features and Steps of Material Requirement Planning</li> <li>Explain the Advantages and Disadvantages of Material Requirement Planning</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video- <a href="https://www.youtube.com/watch?v=u3P6YMI5Ah0">https://www.youtube.com/watch?v=u3P6YMI5Ah0</a></li> <li>Live Examples from Industry</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions What do you understand by the term ‘Material Requirement Planning’ Talk about Material Requirement Planning</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>Introduce the formal concept of Material Requirement Planning</li> <li>Define Material Requirement Planning</li> </ul> </li> <li><b>Material Requirement Planning:</b> <ul style="list-style-type: none"> <li>Discuss the Features and Steps of Material Requirement Planning</li> <li>Explain the Advantages and Disadvantages of Material Requirement Planning</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li><b>Exercise</b> (5 minutes) – Video to be displayed Quiz</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li><b>Suggested Reading</b> Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://www.columbia.edu/~gmg2/4000/pdf/lect_06.pdf">https://www.columbia.edu/~gmg2/4000/pdf/lect_06.pdf</a> Spend 5 minutes to wrap up and consolidate the learnings</li> </ol>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>Conduct Discussion</li> <li>Quiz</li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>



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<b>Lesson Plan No. 30</b>	<b>Course Name: Operations Management</b> <b>Topic: Purchasing System</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Purchasing System</li> <li>Interpret the Importance and Objectives of Purchasing System</li> <li>Explain the Functions and Procedure of Purchasing System</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video <a href="https://www.youtube.com/watch?v=4qMkxv84010">https://www.youtube.com/watch?v=4qMkxv84010</a></li> <li>Live Examples</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions What do you understand by the term 'Purchasing System' Talk about Purchasing System</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Purchasing System</li> <li>Define Purchasing System</li> </ul> </li> <li>Purchasing System:               <ul style="list-style-type: none"> <li>Discuss the Importance and Objectives of Purchasing System</li> <li>Explain the Functions and Procedure of Purchasing System</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li><b>Exercise</b> (5 minutes) – Video to be displayed</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://egyankosh.ac.in/bitstream/123456789/64452/2/Unit-16.pdf">https://egyankosh.ac.in/bitstream/123456789/64452/2/Unit-16.pdf</a> <a href="https://publications.lib.chalmers.se/records/fulltext/90488.pdf">https://publications.lib.chalmers.se/records/fulltext/90488.pdf</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>Conduct Discussion</li> <li>Quiz</li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No. 31</b>	<b>Course Name: Operations Management</b> <b>Topic: Vendor Analysis</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Vendor Analysis</li> <li>Interpret the Stages of Vendor Analysis</li> <li>Explain the Techniques of Vendor Rating</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video <a href="https://www.youtube.com/watch?v=2xe8v76Bgqk">utube.com/watch?v=2xe8v76Bgqk</a></li> <li>Discussion</li> <li>Live Examples</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions</li> <li>What do you understand by the term ‘Vendor Analysis’</li> <li>Talk about Vendor Analysis</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Vendor Analysis</li> <li>Define Vendor Analysis</li> </ul> </li> <li>Vendor Analysis:               <ul style="list-style-type: none"> <li>Discuss the Stages of Vendor Analysis</li> <li>Explain the Techniques of Vendor Rating</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) –           <ul style="list-style-type: none"> <li>Video to be displayed</li> <li>Quiz</li> </ul> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://www.gep.com/blog/strategy/vendor-analysis-meaning-importance-and-process">https://www.gep.com/blog/strategy/vendor-analysis-meaning-importance-and-process</a> <a href="https://oboloo.com/blog/what-is-vendor-analysis-definition/">https://oboloo.com/blog/what-is-vendor-analysis-definition/</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>Conduct Discussion</li> <li>Quiz</li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>



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<b>Lesson Plan No. 32</b>	<b>Course Name: Operations Management</b> <b>Topic: Store Management</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept of Store Management</li> <li>Interpret the Objectives of Store Management</li> <li>Explain the Importance of Store Management</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video</li> <li>Live Examples</li> <li>Discussion</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions What do you understand by the term ‘Store Management’ Talk about Store Management</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Store Management</li> <li>Define Store Management</li> </ul> </li> <li>Store Management:               <ul style="list-style-type: none"> <li>Discuss the Objectives of Store Management</li> <li>Explain the Importance of Store Management</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) – Video to be displayed Quiz</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://hmhub.in/store-management/">https://hmhub.in/store-management/</a> <a href="https://ivepos.com/post/what-is-store-management-manage-retail-store-efficiently/">https://ivepos.com/post/what-is-store-management-manage-retail-store-efficiently/</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>Conduct Discussion</li> <li>Quiz</li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>



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<b>Lesson Plan No. 33</b>	<b>Course Name: Operations Management</b> <b>Topic: Standard Codification and Variety Reduction</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept and Characteristics of Standard Codification</li> <li>Interpret the Objectives and Advantages of Standard Codification</li> <li>Explain the Methods of Standard Codification</li> <li>Understand the concept and Importance of Variety Reduction</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video</li> <li>Live Examples</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What do you understand by the term ‘Codification’</li> <li>What do you mean by the term ‘Variety Reduction’</li> </ul> </li> <li>Talk about Standard Codification</li> <li>Talk about Variety Reduction</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Standard Codification</li> <li>Define Standard Codification</li> <li>Introduce the formal concept of Variety Reduction</li> </ul> </li> <li>Standard Codification &amp; Variety Reduction:               <ul style="list-style-type: none"> <li>Discuss the Objectives and Advantages of Standard Codification</li> <li>Explain the Methods of Standard Codification</li> <li>Discuss the Importance of Variety Reduction</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) – Video to be displayed Quiz</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the Analytical Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://egyankosh.ac.in/bitstream/123456789/11627/1/Unit-14.pdf">https://egyankosh.ac.in/bitstream/123456789/11627/1/Unit-14.pdf</a> <a href="https://hmhub.in/wp-content/uploads/2020/02/Unit-19-STANDARDISATIONCODIFICATION-AND-VARIETY-REDUCTION.pdf">https://hmhub.in/wp-content/uploads/2020/02/Unit-19-STANDARDISATIONCODIFICATION-AND-VARIETY-REDUCTION.pdf</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>



<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Quiz</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>
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<b>Lesson Plan No. 34</b>	<b>Course Name: Operations Management</b> <b>Topic: Inventory Management</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the concept and Inventory Management</li> <li>Interpret the Objectives of Inventory Management</li> <li>Explain the Advantages and Disadvantages of Inventory Management</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video <a href="https://www.youtube.com/watch?v=2PRddAm9730">https://www.youtube.com/watch?v=2PRddAm9730</a></li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions What do you understand by the term 'Inventory Management' Talk about Inventory Management</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>Introduce the formal concept of Inventory Management</li> <li>Define Inventory Management</li> </ul> </li> <li><b>Inventory Management:</b> <ul style="list-style-type: none"> <li>Discuss the Objectives of Inventory Management</li> <li>Explain the Advantages and Disadvantages of Inventory Management</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li><b>Exercise</b> (5 minutes) – Video to be displayed Quiz</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the Analytical Questions from the Syllabus.</li> <li><b>Suggested Reading</b> Production and Operational Management by K Ashwathappa, Sreedhar Bhat           <ul style="list-style-type: none"> <li><a href="https://www.netsuite.com/portal/resource/articles/inventory-management/inventory-management.shtml">https://www.netsuite.com/portal/resource/articles/inventory-management/inventory-management.shtml</a></li> <li><a href="https://www.netsuite.com/portal/resource/articles/inventory-management/inventory-management.shtml">https://www.netsuite.com/portal/resource/articles/inventory-management/inventory-management.shtml</a></li> </ul> </li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>Conduct Discussion</li> </ol>



	<p>3. Quiz Spend 5 minutes to evaluate student assimilation of the lesson contents</p>
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<b>Lesson Plan No. 35</b>	<b>Course Name: Operations Management Topic: Inventory Management: Types of Inventories and Costs of Inventories</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Interpret the Types of Inventories</li> <li>Explain the Costs of Inventories</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What are the various types of Inventories</li> <li>What are the various costs associated with Inventory Management</li> </ul> </li> <li>Talk about the various types of Inventories</li> <li>Talk about the various costs of Inventories</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li><b>Introduction</b> <ul style="list-style-type: none"> <li>List the various types of Inventories</li> <li>List the various costs of Inventories</li> </ul> </li> <li><b>Inventory Management: Types &amp; Costs</b> <ul style="list-style-type: none"> <li>Discuss the various Types of Inventories</li> <li>Explain the various costs associated with Inventory Management</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li><b>Exercise</b> (5 minutes) – Video to be displayed Quiz</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the Analytical Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://www.wrike.com/blog/what-is-inventory-management/">https://www.wrike.com/blog/what-is-inventory-management/</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>Conduct Discussion</li> <li>Quiz</li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>



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<b>Lesson Plan No. 36</b>	<b>Course Name: Operations Management</b> <b>Topic: Inventory Control</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the Concept of Inventory Control</li> <li>Interpret the Objectives of Inventory Control</li> <li>Explain the Concept of Ordering Cost and Carrying Cost</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions What do you mean by the 'Inventory Control' Talk about the Inventory Control</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Inventory Control</li> <li>Define Inventory Control</li> </ul> </li> <li>Inventory Control               <ul style="list-style-type: none"> <li>Discuss the Objectives of Inventory Control</li> <li>Explain the Concept of Ordering Cost and Carrying Cost</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) – Video to be displayed Quiz</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the Analytical Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>Conduct Discussion</li> <li>Quiz</li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No.</b> 37	<b>Course Name: Operations Management</b> <b>Topic: Inventory Control Technique – ABC</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the Concept of ABC</li> <li>Interpret the Objectives of ABC</li> <li>Explain the Methods of ABC</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Case Study-<a href="https://www.ijite.com/citations/IJITE_1401518.pdf">https://www.ijite.com/citations/IJITE_1401518.pdf</a> ABC Analysis - A Case Study of Vehicle Spare Parts Based on Deccan Vehicles.</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions What do you mean by the ‘ABC - Technique’ Talk about the ABC - Technique</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of ABC - Technique</li> </ul> </li> <li>Inventory Control Technique - ABC               <ul style="list-style-type: none"> <li>Discuss the Objectives of ABC                   <ul style="list-style-type: none"> <li>ABC is used to improve the accuracy of cost analysis by improving the tracing of costs to products or to individual customers. It is a system which focuses on activities performed to produce product</li> </ul> </li> <li>Explain the Methods of ABC                   <ul style="list-style-type: none"> <li>ABC analysis is a method in which inventory is divided into three categories, i.e. A, B, and C in descending value. The items in the A category have the highest value, B category items are of lower value than A, and C category items have the lowest value</li> </ul> </li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) – Video to be displayed Quiz</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the Analytical Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://www.netsuite.com/portal/resource/articles/inventory-management/abc-inventory-analysis.shtml">-https://www.netsuite.com/portal/resource/articles/inventory-management/abc-inventory-analysis.shtml</a></li> </ol>



	<p>- <a href="https://www.deskera.com/blog/abc-analysis/">https://www.deskera.com/blog/abc-analysis/</a> <a href="https://www.ijite.com/citations/IJITE_1401518.pdf">https://www.ijite.com/citations/IJITE_1401518.pdf</a></p> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Quiz</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No.</b> 38	<b>Course Name: Operations Management</b> <b>Topic: Inventory Control Technique –</b> <b>VED, FSN, SDE, HML</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Explain the Concept of VED</li> <li>Interpret the Concept of FSN</li> <li>Explain the Concept of SDE</li> <li>Interpret the Concept of HML</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Discussion</li> <li>Live Examples</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions               <ul style="list-style-type: none"> <li>What is the full form of VED</li> <li>What is the full form of FSN</li> <li>What is the full form of SDE</li> <li>What is the full form of HML</li> </ul> </li> <li>Talk about the Inventory Control Techniques – VED, FSN, SDE and HML</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Inventory Control Technique – VED, FSN, SDE and HML</li> </ul> </li> <li>Inventory Control Technique – VED, FSN, SDE and HML               <ul style="list-style-type: none"> <li>Discuss the following Inventory Control Technique:                   <ul style="list-style-type: none"> <li>VED</li> <li>FSN</li> <li>SDE</li> <li>HML</li> </ul> </li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) –           <ul style="list-style-type: none"> <li>Video to be displayed</li> <li>Quiz</li> </ul> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the University Questions from the Syllabus.</li> <li>Suggested Reading           <ul style="list-style-type: none"> <li>Production and Operational Management by K Ashwathappa, Sreedhar Bhat</li> <li><a href="https://khatabook.com/blog/abc-analysis/">https://khatabook.com/blog/abc-analysis/</a></li> </ul> </li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>



<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>
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<b>Lesson Plan No.</b> 39	<b>Course Name: Operations Management</b> <b>Topic: Inventory Control Technique – EOQ</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the Concept of EOQ</li> <li>Discuss the Concepts of Consumption Rate, Replenishment, Lead Time and Reorder Point</li> <li>Explain the Concept of Buffer Stock, Factor of Uncertainty and Safety Stock</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video</li> <li>Problem Solving</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions</li> <li>What is the full form of EOQ</li> <li>Talk about the Inventory Control Technique – EOQ</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Inventory Control Technique – EOQ</li> </ul> </li> <li>Inventory Control Technique – EOQ               <ul style="list-style-type: none"> <li>Discuss the Concepts of Consumption Rate, Replenishment, Lead Time and Reorder Point</li> <li>Discuss the Concepts of Buffer Stock, Factor of Uncertainty and Safety Stock</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) – Video to be displayed Quiz</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the Analytical Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://www.netsuite.com/portal/resource/articles/inventory-management/economic-order-quantity-eoq.shtml">https://www.netsuite.com/portal/resource/articles/inventory-management/economic-order-quantity-eoq.shtml</a> <a href="https://www.investopedia.com/ask/answers/052715/how-economic-order-quantity-model-used-inventory-management.asp">https://www.investopedia.com/ask/answers/052715/how-economic-order-quantity-model-used-inventory-management.asp</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> </ol>



	2. Conduct Discussion Spend 5 minutes to evaluate student assimilation of the lesson contents
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<b>Lesson Plan No. 40</b>	<b>Course Name: Operations Management Topic: Inventory Control Technique – EOQ (Numerical Problems)</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Solve Numerical Problems of EOQ
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Problem Solving c. Discussion
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions</li> <li>What is the full form of EOQ</li> <li>Talk about the Inventory Control Technique – EOQ</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Inventory Control Technique – EOQ</li> </ul> </li> <li>Inventory Control Technique – EOQ               <ul style="list-style-type: none"> <li>Solve Numerical Problems of EOQ</li> </ul> </li> </ol> </li> <li>Exercise (5 minutes) –           <ul style="list-style-type: none"> <li>Video to be displayed</li> <li>Quiz</li> </ul> </li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the Analytical Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://courseware.cutm.ac.in/wp-content/uploads/2022/12/inventory-control-technique-PDF.pdf">https://courseware.cutm.ac.in/wp-content/uploads/2022/12/inventory-control-technique-PDF.pdf</a> <a href="http://www.fmtvaranasi.edu.in/sites/default/files/Inventory%20Management%20and%20control.pdf">http://www.fmtvaranasi.edu.in/sites/default/files/Inventory%20Management%20and%20control.pdf</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>Conduct Discussion</li> <li>Quiz</li> </ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>

<b>Lesson Plan No.</b> 41	<b>Course Name: Operations Management</b> <b>Topic: Inventory Control Technique – JIT</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: <ol style="list-style-type: none"> <li>Understand the Concept of JIT</li> <li>Explain the Functions of JIT</li> <li>Discuss the Strategies of JIT</li> <li>Interpret the Principles of JIT</li> <li>Discuss the Building Blocks of JIT</li> <li>Explain the Applications of JIT</li> </ol>
<b>Teaching Aids (if any)</b>	<ol style="list-style-type: none"> <li>Power Point Presentation</li> <li>Video</li> <li>Discussion</li> </ol>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>Introduction</b> (05 minutes)           <ul style="list-style-type: none"> <li>Ask questions What is the full form of JIT Talk about the Inventory Control Technique – JIT</li> </ul> </li> <li><b>Development</b> (25 minutes)           <ol style="list-style-type: none"> <li>Introduction               <ul style="list-style-type: none"> <li>Introduce the formal concept of Inventory Control Technique – JIT</li> <li>Define JIT</li> </ul> </li> <li>Inventory Control Technique – JIT               <ul style="list-style-type: none"> <li>Explain the Functions of JIT</li> <li>Discuss the Strategies of JIT</li> <li>Interpret the Principles of JIT</li> <li>Discuss the Building Blocks of JIT</li> <li>Explain the Applications of JIT</li> </ul> </li> </ol> <p>Video to be displayed</p> </li> <li>Exercise (5 minutes) – Video to be displayed Quiz</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>Discuss the Analytical Questions from the Syllabus.</li> <li>Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat <a href="https://www.forbes.com/advisor/business/just-in-time-inventory/">https://www.forbes.com/advisor/business/just-in-time-inventory/</a> <a href="https://www.netsuite.com/portal/resource/articles/inventory-management/just-in-time-inventory.shtml">https://www.netsuite.com/portal/resource/articles/inventory-management/just-in-time-inventory.shtml</a></li> </ol> <p>Spend 5 minutes to wrap up and consolidate the learnings</p>



<b>Evaluation</b>	<ol style="list-style-type: none"><li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li><li>2. Conduct Discussion</li><li>3. Quiz</li></ol> <p>Spend 5 minutes to evaluate student assimilation of the lesson contents</p>
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<b>Lesson Plan No.</b> 42	<b>Course Name: Operations Management</b> <b>Topic: Quality Management-</b>	<b>Course No.: MBA-206</b>
<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Understand the concept of quality management. b. Identify the key principles of quality management. c. Explain the importance of quality management in business	
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video c. Discussion	
<b>Teaching Development</b>	1. <b>Introduction</b> (05 minutes) - Briefly introduce the topic of quality management. - Explain the importance of quality management in various industries. 2. <b>Development</b> (25 minutes) a) Define quality management and its role in businesses. b) Discuss the key principles of quality management, such as continuous improvement, customer satisfaction, and employee involvement. o Explain the benefits of implementing quality management systems, including increased efficiency, reduced costs, and improved customer satisfaction. Video to be displayed 3. Exercise (5 minutes) – Video to be displayed Quiz	
<b>Closure</b>	1. Summarize the Lesson Learning Outcomes and get affirmation from students on these. 2. Discuss the Analytical Questions from the Syllabus. 3. Suggested Reading Production and Operational Management by K Ashwathappa, Sreedhar Bhat Spend 5 minutes to wrap up and consolidate the learnings	
<b>Evaluation</b>	1. Reflective Questions (What, Why, Who?). Allow students to answer. 2. Conduct Discussion 3. Quiz - What is quality management? Name three key principles of quality management. Why is quality management important in businesses? Spend 5 minutes to evaluate student assimilation of the lesson contents	

<b>Lesson Plan No. 43</b>	<b>Course Name: Operations Management</b> <b>Topic: Kaizen &amp; PERT</b>	<b>Course No.: MBA-206</b>
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<b>Objectives</b>	At the end of the lesson the student shall be able to: a. Understand the concept of Kaizen b. Understand the concept of PERT
<b>Teaching Aids (if any)</b>	a. Power Point Presentation b. Video- <a href="https://www.youtube.com/watch?v=oWSpUeCGmPo">https://www.youtube.com/watch?v=oWSpUeCGmPo</a>
<b>Teaching Development</b>	<ol style="list-style-type: none"> <li><b>1. Introduction (05 minutes)</b> <ul style="list-style-type: none"> <li>- Ask questions                What is the full form of PERT                What do you mean by Program Evaluation and Review                What do you mean by continues improvement</li> <li>- Talk about Program Evaluation and Review Technique</li> <li>- Talk about Kaizen Approach of continues improvement</li> </ul> </li> <li><b>2. Development (25 minutes)</b> <ol style="list-style-type: none"> <li><b>a) Introduction</b> <ul style="list-style-type: none"> <li>- Introduce the formal concept of Kaizen</li> <li>- Introduce the formal concept of PERT</li> </ul> </li> <li><b>b) Kaizen and PERT</b> <ul style="list-style-type: none"> <li>- Explain in detail Program Evaluation and Review Technique</li> <li>- Discuss in detail Kaizen Approach of continues improvement</li> </ul> </li> </ol>           Video to be displayed         </li> <li><b>3. Exercise (5 minutes) –</b>            -Quiz            Video to be displayed</li> </ol>
<b>Closure</b>	<ol style="list-style-type: none"> <li>1. Summarize the Lesson Learning Outcomes and get affirmation from students on these.</li> <li>2. Discuss the University Questions from the Syllabus.</li> <li>3. Suggested Reading            Production and Operational Management by K Ashwathappa, Sreedhar Bhat  <a href="https://www.techtargert.com/searcherp/definition/kaizen-or-continuous-improvement">https://www.techtargert.com/searcherp/definition/kaizen-or-continuous-improvement</a>            Spend 5 minutes to wrap up and consolidate the learnings</li> </ol>
<b>Evaluation</b>	<ol style="list-style-type: none"> <li>1. Reflective Questions (What, Why, Who?). Allow students to answer.</li> <li>2. Conduct Discussion            Spend 5 minutes to evaluate student assimilation of the lesson contents</li> </ol>



Model Institute of Engineering  
& Technology (Autonomous)  
**Lesson Plan**

Kot, Bhalwal, Jammu



Dr. Arun K. Gupta Teaching-Learning Centre

Version 1.1



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