

**COURSE CONTENTS**

<b>Objectives</b>	<b>Module Pack</b>	<b>Topics Title</b>	<b>Relevant Lecture</b>	<b>Reading material</b>
To understand the POM, productivity, decision making and forecasting techniques.	Module Pack 1	<ul style="list-style-type: none"> <li>• Introduction to Production and Operations Management</li> <li>• Strategy and Tactics</li> <li>• Productivity</li> <li>• Decision making</li> <li>• Forecasting</li> </ul>	Lecture 1, 2,3, 4, 5, 6,7,8,9,10	<ul style="list-style-type: none"> <li>• Text Book: Production Operations Management for Graduates (5<sup>th</sup>/7<sup>th</sup>/8<sup>th</sup> edition ) By <b>William J. Stevenson</b></li> <li>• Recent Trends In Modern OM By Shuhab-u-Tariq</li> </ul>
To enable student to comprehend the insights about Product & Service design, capacity planning and facilities layouts, design of Work Systems, Location Planning & Analysis,	Module Pack 2	<ul style="list-style-type: none"> <li>• Product &amp; Service Design</li> <li>• Capacity Planning</li> <li>• Facilities Layouts</li> <li>• Design of Work Systems</li> <li>• Location Planning &amp; Analysis</li> </ul>	Lecture 11, 12, 13, 15,16,17,18,19,20,21,22	<ul style="list-style-type: none"> <li>• Text Book: Production Operations Management for Graduates (5<sup>th</sup>/7<sup>th</sup>/8<sup>th</sup> edition ) By <b>William J. Stevenson</b></li> <li>• The Next Revolution in Productivity By Ric Merrifield, Jack Calhoun, and Dennis Stevens</li> </ul>
To understand the concepts related to Management of Quality and aggregate	Module Pack 3	<ul style="list-style-type: none"> <li>• Management of Quality</li> <li>• Total Quality Management</li> <li>• Aggregate</li> </ul>	Lecture 23,24,25,26,27,28,29,30	<ul style="list-style-type: none"> <li>• Text Book: Production Operations Management for Graduates (5<sup>th</sup>/7<sup>th</sup>/8<sup>th</sup> edition ) By <b>William</b></li> </ul>

planning.		Planning.		<p><b>J. Stevenson.</b></p> <ul style="list-style-type: none"> <li>• Total Quality Management and employees' involvement By Dilrukshi Welikala And Amrik S. Sohal.</li> </ul>
To enable student to comprehend the insights about Inventory Management, Just in time production system (JIT), Supply Chain management, Scheduling, Sequencing and Project Management	Module Pack 4	<ul style="list-style-type: none"> <li>• Inventory Management</li> <li>• Just in time production system (JIT)</li> <li>• Supply Chain management</li> <li>• Scheduling</li> <li>• Sequencing</li> <li>• Project Management</li> </ul>	Lecture 31,32,33,34,35 36,37,38,39,40,41,42 43,44,45	<ul style="list-style-type: none"> <li>• Text Book: Production Operations Management for Graduates (5<sup>th</sup>/7<sup>th</sup>/8<sup>th</sup> edition ) By <b>William J. Stevenson</b></li> <li>• Does quality assurance deliver higher productivity?</li> <li>• By D. A. Langford , H. El-Tigani &amp; M. Marosszeky</li> </ul>