

DMX5211 Plant Maintenance

Level	5
Course Code	DMX5211
Course Title	Plant Maintenance
Credit value	2
Core/Optional	Optional
Course Aim/s	Aim of this course is to provide knowledge on concepts of maintenance engineering and its applications.
Course Learning Outcomes (CLO):	<p>At the completion of this course student will be able to:</p> <p>CLO1: Demonstrate the knowledge of plant maintenance strategies and techniques.</p> <p>CLO2: Analyze maintenance procedures and systems in an engineering organization and design suitable systems as appropriate for trouble free operation.</p> <p>CLO3: Design and maintain plant for minimising environment pollution due to industrial operations.</p> <p>CLO4: Investigate Industrial hazards, and design suitable systems and procedures to minimize risks</p> <p>CLO5: Install and commission plant and machinery according accepted procedures ensuring easy maintenance and safety of equipment and people.</p>
Content	<p>Outline Syllabus:</p> <p>Unit 01 Introduction to Maintenance Engineering (03 sessions)</p> <p>Unit 02 Productive Maintenance (4 sessions)</p> <p>Unit 03 Wear, corrosion and prevention (2 sessions)</p> <p>Unit 04 Prevention of water , air and land pollution</p> <p>Unit 05 Industrial Hazards and fire safety</p> <p>Field Visit:</p> <p>1. Plant maintenance industrial visit; expose students to industry environment and maintenance systems</p> <p>Case Study:</p> <p>1. A study on impact of plant maintenances in different perspectives.</p>