€ TRAINING

The recent communication technologies in implementing operations and maintenance tasks

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Introduction:

Communication techniques play a vital role in facilitating and improving operational and maintenance processes in today's rapidly evolving world. This training program aims to equip participants with the latest technologies and practices in the field of operations and maintenance by providing comprehensive and deep topics covering all aspects of operations, maintenance, and advanced communication technologies.

Program Objectives:

- Understanding the fundamentals and concepts of operations and maintenance.

- Familiarizing with the latest communication technologies and applying them in operations and maintenance processes.

- Developing planning, organizing, and supervising skills in operations and maintenance tasks.

- Recognizing best practices and standard procedures in operations and maintenance.

- Improving efficiency and effectiveness in using technology in industrial operations.

Target Audience:

- Operations and maintenance engineers.

- Operations and maintenance managers and supervisors.

- Maintenance technicians and workers.

- IT professionals are responsible for industrial technology.

Program Outlines:

Unit 1.

Basics of Operations and Maintenance:

- Introduction to Operations and Maintenance: Importance of operations and maintenance in the industry.

- Communication Technology in Operations: Types of industrial communication technologies.

- Operations and Maintenance Management: Concepts of operations and maintenance management.

- Maintenance Basics and Diagnosis: Types of maintenance and diagnostic techniques.

- Measurement and Analysis Techniques: Measurement devices and statistical analysis.

Unit 2.

Operations Management and Quality:

- Productivity Techniques: Productivity improvement techniques.

- Operations Management: Methods of supply chain management.

- Quality Management: Quality concept and assurance.

- Continuous Improvement: Continuous improvement methods and techniques.

Unit 3.

Resource Management and Professional Development:

- Human Resource Management: Strategies and tools for human resource management.

- Skill Development: Importance of training and skill development.

- Professional Development: Strategies for professional development and continuous learning.

Unit 4.

Advanced Technology and Innovation:

- Applications and Techniques of Artificial Intelligence.

- Robotics and Automation Control Systems.

- Virtual and Augmented Reality Technologies.

- Concept and Applications of Nanotechnology and Biotechnology.