MITSUBISHI ELECTRIC
Changes for the Better

MENTOR ME

IL PROGETTO DI E-LEARNING DI MITSUBISHI ELECTRIC
PER LA FORMAZIONE TECNICA E PROFESSIONALE NELLE SCUOLE

Modulo specialistico di:

Automazione Industriale - Percorso Robot

Attività di SMARTWORKING: dalla teoria alla pratica

MANDATO OPERATIVO

Automating
the World

Vimercate 27/08/2025

Public Information

Indice

Public Information

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Premessa

Durante le sessioni di e-learning hai conosciuto il Robot, la robotica collaborativa ed i principi base di programmazione

Con le competenze che hai acquisito potrai sviluppare il progetto di automazione descritto nelle slides successive.

Public Information

Descrizione del mandato

Il progetto da realizzare dovrà mostrare il funzionamento di un sistema presa e deposito (Pick&Place) tramite il robot collaborativo di Mitsubishi Electric.

Il mandato è diviso in due fasi descritte nelle slide successive.

Public Information

Fase 1:
Attività di studio individuale

1. Installare il tool di programmazione PLC RT Visual BOX dal seguente link:

    https://meuita.sharepoint.com/:f:/s/PublicRepo/Evtw3fi_frpEtPj9zNJwynwBr_P_gHVa3Q3D-Cs0DpJuXw?e=DVa34R

    Lanciare il file .exe e seguire le istruzioni. Per l'installazione in modalità demo seguire le specifiche riportate nell'**Allegato 1 - Studente - Specifiche tecniche.**

2. Sviluppare il programma Robot come da «**Allegato 1 - Studente - Specifiche tecniche**»

3. Eseguire in simulazione il programma Robot e verificarne il corretto funzionamento

4. Salvare il file con il progetto Robot e caricarlo nella piattaforma e-learning.

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Fase 2:
Attività di studio individuale + condivisione in classe

1. Produrre un video (durata massima 2 minuti, dimensione massima 50Mb) che documenti il funzionamento in simulazione del programma Robot.

2. Caricare il video nella piattaforma e-learning.

3. Condivisione in classe

Public Information

Allegati per lo studente:

Allegato 1 - Studente - Specifiche tecniche
Allegato 2 - Studente - RV-5AS - Quick set-up guide
Allegato 3 - Studente - Tutorial Quick Start RT VisualBox

Allegati per il docente:

Allegato A - Docente - Esempio Progetto Robot
Allegato B - Docente - Note
Allegato C - Docente - Esempio Progetto completato

Conclusioni

Al termine del mandato, nella piattaforma e-learning dovranno essere presenti i seguenti files:

FASE1_Programma.ZIP
Contenente il file:
FASE1_ProgrammaRobot_V01

FASE2_VideoProgetto.MP4

Public Information

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