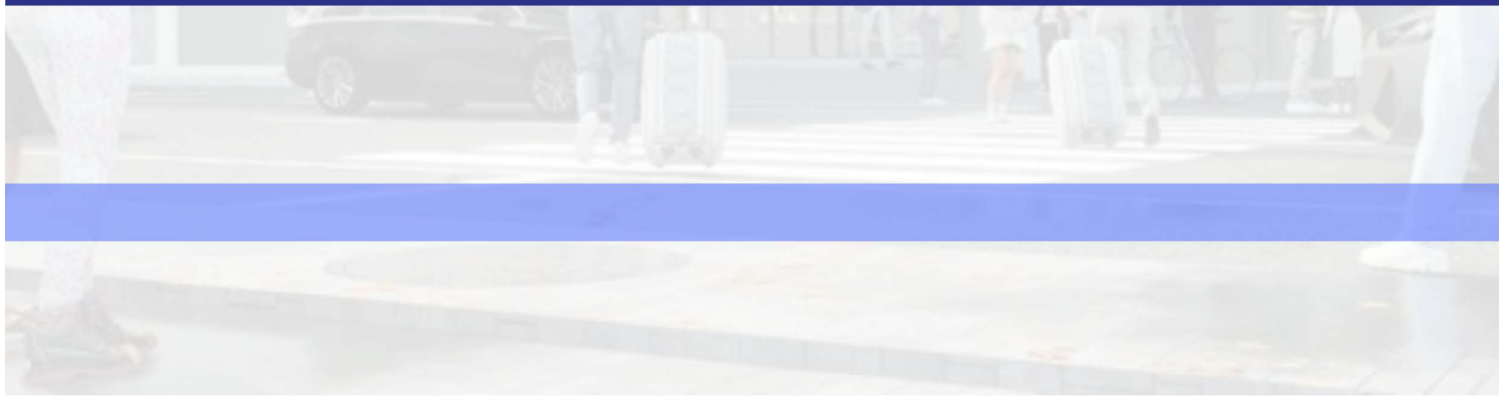
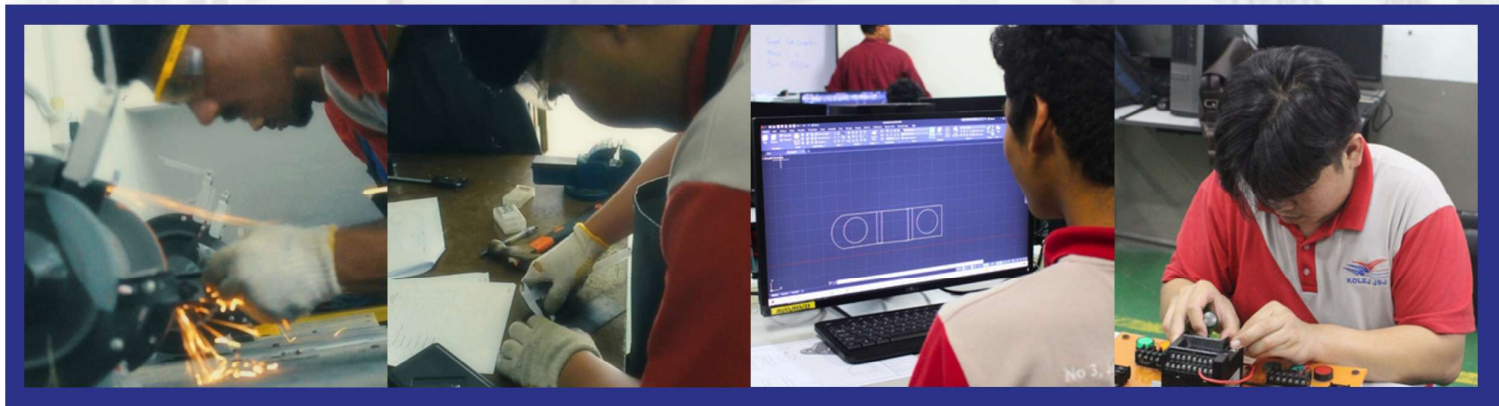




# MECHATRONICS



# MECHATRONICS



## VISION

To produce visionary and innovative students aligned with the era of Industry 4.0.

## MISSION

To integrate both theoretical and practical teachings to develop professional and skilled graduates.

## PROGRAM HIGHLIGHTS:

- NOSS standards-compliant syllabus
- JPK-certified programs
- Interest-free financing by PTPK
- Hands-on training through practical assignments

## LEARNING OUTCOMES:

- **Level 2 (MC-091-2:2016)**

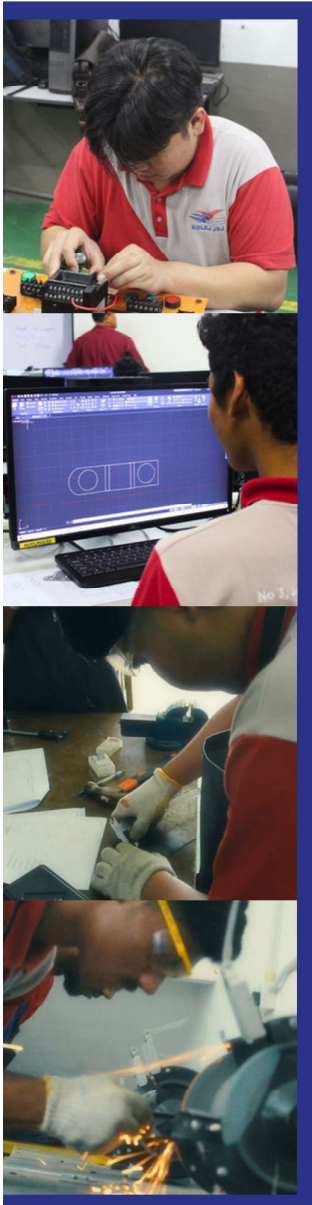
Trainees learn the basic components of Mechatronics and engage in practical work.

- **Level 3 (MC-091-3:2016)**

Trainees handle programming in automation, perform machine repairs, and troubleshoot wiring.

- **Level 4 (MC-091-4:2016)**

Advanced skills such as product design, installation, and generating executive reports are taught. Trainees also undergo on-job training in the industrial sector.







# REQUIREMENTS & SYLLABUS

## REQUIREMENTS

- Aged between 15 – 35 years old
- Can read, write, count (basics) and interested
- (Requirement for Level 4 only) Has SKM level 3 in the same field (NOSS)

## LEVEL 2 : INDUSTRIAL AUTOMATION ENGINEERING SERVICES

- Industrial Automation Engineering Drawing
- Industrial Automation Fundamental Control Programming
- Industrial Automation Fabrication
- Industrial Automation Sub-Assembling
- Industrial Automation Systems Servicing

# REQUIREMENTS & SYLLABUS



## **LEVEL 3 : INDUSTRIAL AUTOMATION ENGINEERING SYSTEMS ASSEMBLY**

- Industrial Automation Computer Aided Design (CAD) Assembly Drawing
- Industrial Automation Mechanical Systems Assembling
- Industrial Automation electrical & Electronic Systems Assembling
- Industrial Automation System Calibration
- Industrial Automation Systems Maintenance
- Industrial Automation Control System Programming
- Industrial Automation Engineering Systems Support Supervision

## **LEVEL 4 : INDUSTRIAL AUTOMATION ENGINEERING SYSTEMS SUPPORT**

- Industrial Automation Systems Design
- Industrial Automation Systems Integration
- Industrial Automation Systems Installation and Commissioning
- Industrial Automation Systems Maintenance Coordination
- Industrial Automation Project

# CAREER PATHWAY

