



Sistem Latihan Dual Nasional (SLDN)

Industrial Automation (Mechatronics) Program Sheet



Introduction

What is ViTrox's Industrial Automation Apprenticeship?

In this program, you will be doing 2 main tasks, that is:-

1) you will be working at ViTrox Technologies. You will be working full time like an ordinary employee in the manufacturing sector. You will earn a salary and all the benefits of a company staff.

2) You will be studying 1 day in a week throughout the entire duration of the program. You will be doing your study at the ViTrox Academy which is also located at the same place.

During working time, you will be doing work mostly related to mechatronics. That is assembling hi-tech machines with a lot of involvement in electronics, electrical and mechanical components. There will be a highly experienced engineer to hold your hands and guide you throughout the period. He is your Coach.

And the day you attend class at ViTrox Academy, you will be taught on the same subject by a CIAST qualified Instructor. You will learned exactly the same subject matter which you are doing at the assembly floor. Your knowledge in Industrial Automation will be deepen and strengthened.



Where will you be working?

A world class company - ViTrox

When you join this program, you are attached to a world class company. ViTrox is a listed company with numerous international awards for its outstanding performance in product development and corporate performance. ViTrox is well recognized as one of the world-leading automated machine vision inspection solution providers with customer base in Malaysia, Singapore, Indonesia, Thailand, Vietnam, Philippines, Taiwan, China, Japan, Korea, India, Australia, Europe, Brazil, Mexico, the USA and more.



ViTrox Technologies Core Business

When you joined this program you will be trained by the best engineer in this field. Since its inception in 2000, ViTrox designs and manufactures innovative, leading-edge and cost-effective automated vision inspection equipment and system-on-chip embedded electronics devices for the semiconductor and electronics packaging industries. ViTrox's core products are its Machine Vision System (MVS), Automated Board Inspection (ABI) and Electronics Communication System (ECS).

Overview of SLDN

A Unique Way to Study and Work

ViTrox Academy is one of a few skilled institutions to incorporate the Sistem Latihan Dual Nasional (SLDN) in the skilled based education sphere. The training centre and the industrial company is located at the same vicinity right at the heart of an industrial zone - Batu Kawan Industrial Park (BKIP). This is exactly why ViTrox Apprenticeship Program is the confidence you need, in obtaining the best of both worlds, both in theoretical and practical.

Program's Overview Summary

- 1) Total of 12 months (5 + 7) months apprenticeship program.
- 2) Allowance - RM_____ per month + company benefits
- 3) 70% Real-life hands-on practical at ViTrox Technologies manufacturing campus and 30% theoretical knowledge at ViTrox Academy Training Centre.
- 4) Real hands-on experience with the latest machine system, coached by real experts such as engineers with minimum of 3 years working experience in the field and necessary theoretical knowledge by a certified trainer at ViTrox Academy.
- 5) A widely recognised Sijil Kemahiran Malaysia (JPK) level 2 and 3 certificate and an Academy in Factory (MPC) certificate upon graduation.
- 6) Greater opportunity to further enhance working experience with ViTrox Technologies Sdn Bhd without bonding after graduation

Qualifications upon completion

1. Certification in Sijil Kemahiran Malaysia (SKM) Level 2 & 3
Jabatan Pembangunan Kemahiran (JPK) - Ministry of Human Resource (MOHR)
2. Certification in Academy in Factory (AiF) Level 2 & 3
Perbadanan Produktiviti Malaysia (MPC) - Ministry of International Trade & Industry (MITI)



Overview of Industrial Automation

Industrial Automation (Mechatronics)

Industrial Automation Engineering Services (mechatronics) program will provide the apprentice with several engineering knowledge, skills, attitude and competencies, such as electrical and electronic, mechanical, fundamental control programming as well as fabrication and assembly of machine.



What will you be learning

Level 2 - Competency for Industrial Automation

- 1) Industrial Automation Engineering Drawing
- 2) Industrial Automation Fundamental Control Programming
- 3) Industrial Automation Fabrication & Sub-Assembling
- 4) Industrial Automation Systems Servicing

Duration : 5 months

Level 3- Competency for Industrial Automation

- 1) Industrial Automation Computer Aided Design (CAD) Assembly Drawing
- 2) Industrial Automation Mechanical Systems Assembling & Programming
- 3) Industrial Automation Electrical & Electronic Systems Assembling
- 4) Industrial Automation System Calibration & Maintenance
- 5) Industrial Automation Engineering Systems Support Supervision

Duration: 7 months

Education Pathway

Further Your Study

After graduating Level 3 at ViTrox Academy, you have a few choice ahead of you. The options are :-

Option A

Continue with this program in Industrial Automation at ViTrox Academy for Level 4. Here you will be awarded with a Diploma Kemahiran Malaysia (DKM) upon graduation. The duration is approximately 11 months. It will be on a same mode as before, that is you work and study at the same time

Option B

You can further your study at ViTrox College for any of the Diploma Engineering programs - DEEE (Electrical & Electronic), DMTE (Mechatronics) dan DMVE (Machine Vision). Please contact us for more information. Alretnatively, you can also proceed to further your study at any college and university of your choice



Working Career

Your Future is a Lot BRIGHTER

Once you have gone through this skill base program here at ViTrox Academy, you have a bright opportunity in the employment market. Here are the reasons:-

No.	ViTrox Skilled Based Program - SLDN	Others skilled based institution
1	You have industrial working experience on your resume	You do not have any industrial working experience yet
2	Graduate receive Sijil Kemahiran Malaysia (SKM) and AiF certificates	Graduate receive college / university certificates
3	You get a salary while studying	You don't get a salary while studying

Enrolment

Qualification Required

- 1) You have completed Form 5 (SPM)
- 2) You are more than 16 years old
- 3) You speak Bahasa Malaysia & English
- 4) You are healthy and not color blind
- 5) You are a Malaysian citizen

Application

Deadline:- Closed when class is full with 25 applicants

Class start date:- January 2023

Interview:- All applicants will be subjected to an aptitude test and an interview.

If You Are Interested

Please scan the QR code below to express your interest in this program.

Fill-up the form as instructed.



ViTrox SLDN Application Form



vitrox.edu.my

The information in this brochure was correct at the time of publication. ViTrox Academy Sdn. Bhd. reserves the right to alter this information should the need arise. Produced by ViTrox Academy Sdn Bhd. **September 2022**

ViTrox Academy Sdn. Bhd.

746, Persiaran Cassia Selatan 3, Batu Kawan Industrial Park,
14110 Bandar Cassia, Penang, Malaysia.



04-5459988 (ext.7902)



academy@vitrox.com



+6016-8329863



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