



# **MACHINE GUARDING, MACHINE SAFETY, EMERGENCY STOP AND LOCK OUT TAG OUT**



**📅 January 21, 2026 (Wednesday)**

**🕒 8.45am – 5.00pm 📍 FMM Institute, Perak**

Machines are apparatus made up of several parts working together to perform a particular task using a energy source to operate the machine. Machines are an important tool in most Manufacturing Industries and those machines are powered by various type of Energy. Machineries create many types of safety risks.

This program provides the participants with the awareness of the safety risks and their control measure and the functionalities of this control measures.

## **.... COURSE CONTENTS...**

### **MODULE 1 - LEGAL FOR MACHINE SAFETY & LOTO**

- This module briefly defines the legal that the organization needs to subscribes to comply with Machine Safety.
- Regulations with regards to the usage of Machineries in work environment.

### **MODULE 2 - PROACTIVE ACCIDENT PREVENTION**

- This module briefly describes proactive accident prevention method for Machine Usage using the HIRARC system.

### **MODULE 3 - HAZARDS IN MACHINE OPERATION**

- This module describes the Hazards present in the use of Machineries and its control measures.
- Types of Machine Hazards faced in work Environment and their effects.

### **MODULE 4 - CAUSES AND CONTROL MEASURES NEED FOR MACHINE HAZARD..**

- Machine Guarding
- Sensors
- Double handed switches
- Emergency Stop
- This module describes the control measures needed to ensure the safety of using machines in their operations.

### **MODULE 5 - LOGOUT TAGOUT (LOTO)**

- This module describes the Usage of the Lockout Tagout System which is used to prevent energy related accidents.
- Practical Session in identifying locking point and the type of locking device.

## **.... OBJECTIVES....**

Upon completion of the course, participants will be able to:

- Machineries and their Safety Risks;
- the various Control Measures needed to prevent the human exposure to the Safety Risks
- the actions required to ensure that the system established to prevent accidents is not destroyed by unsafe acts.

## **.... WHO SHOULD ATTEND....**

All staffs working with Machineries.

## **.. TRAINING METHODOLOGY..**

Class Room, Notes & Video

Enquiries – please contact  
**Ms Vaani / Pn Eda / Ms Harvindar**  
☎ (05) 548 8660 📠 (05) 548 8221  
✉ [fmminstitute\\_perak@fmm.org.my](mailto:fmminstitute_perak@fmm.org.my)

#### .... TRAINER....

**MR. R.ANBALAGAN A/L V.RAMASAMY** holds a Bachelor of Science in Electrical and Electronics Engineering from Southern Pacific University, Certificate in Factory Management from Sanno Institute of Management, Japan. He is a Competent Occupational SH Officer registered with DOSH and an Ergonomic Trained Person. He is also a Certified Lead Assessor in ISO14001 and ISO 45001 and an OHSAS18001:2007 Lead Auditor. He has 32 years of working experience in areas such as Maintenance, Production, Human Resource, Training, EHS and Facilities and his last position was at the Managerial level. His career success includes setting up and facilitating of Small Group Work Teams, Leading TPM Teams, Cost saving projects, Leading Preventive and Predictive Maintenance Teams in setting up Preventive and Predictive Maintenance System, assisted in ISO9001; TS16949; ISO14001; OHSAS18001 certification and recertification.

**MR. ANBALAGAN**, a certified trainer registered with PSMB has conducted numerous OSH related Public and In-House courses since 2005 in areas such as Chemical Safety, Forklift and Reach Truck Competency, Emergency Response, Fire Fighting, Ergonomics Risk Assessment, SH Committee, Safety Inspection, Electrical Safety, EMS, Schedule Waste, ISO 14001 and ISO 45001. In the past, he has conducted courses for organizations such as CS Opto, Mineba Electrical, Jabil, Dorsett Regency Hotel, Molex, Mattel, Southern Steel, Swiss Profile, Robert Bosch, United Sweetheart, Maestro Swiss, Oriental Summit, Agilent, Berjaya Hotel, Amphenol TCS, Hume Cement, Shangri-La Group, Muda Paper Mill, GS Paper & Packaging, Sony Electronics and many others. In addition, his Training expertise includes Environmental, OSH Legislations, HIRARC, Machine Safety, PPE, Warehouse Safety, Accident Investigation and OHSAS 18001.

#### .... COURSE DETAILS....

Date **January 21, 2026 (Wednesday)**  
Time **8.45am - 5.00pm**  
Venue **FMM Institute Perak**  
**No 1, Lorong Raja DiHilir, 30350 Ipoh, Perak**  
Medium of Instruction **English**  
CPD **7 hours**  
Fees  **Members RM756.00/pax**  
 **Non-Members RM918.00/pax**  
*(Fees inclusive of Service Tax at 8%, Course Materials, Refreshment, Lunch and Certificate of Attendance)*

#### .... ADMINISTRATIVE DETAILS....

##### HRD CORP CLAIMABLE COURSE DETAILS

- Training Provider: **FMM Institute Perak** ■ MyCoID : **475427W\_PERAK**
- HRD Corp Programme No: **Provided upon confirmation**

##### DISCLAIMER

The FMM Institute reserves the right to change the facilitator, date and to vary / cancel the course should unavoidable circumstances arise. All efforts will be taken to inform participants of the changes.

##### REGISTRATION

- Upon **Faxing/Mailing** the completed **Registration Form** to FMM Institute, you are **deemed** to have read and **accepted** the terms and conditions. The **course** would also be **deemed as confirmed** unless informed otherwise.
- Will be based on **First-Come-First served** basis.

##### PAYMENT

- Cheques** made in favour of **"FMM Institute"** should be forwarded to FMM Institute Perak.
- For **HRD Corp Claimable Course**, an **Attendance of 100% is a must**, in any case, **employers will be billed in full**.
- FMM Institute SST Registration No. **W10-1901-32000105**
- FMM Institute TIN No. **C10626805080**

##### CANCELLATION

Must be in Writing with Reasons ■ 7 days before the course – No payment charged ■ 3 – 6 days before the course - 50% payment charged ■ < 3 days before the course – Full payment charged ■ Participants who did not turn-up will be charged full payment ■ Replacements can be accepted at no additional cost

#### ~ Registration Form ~

## MACHINE GUARDING, MACHINE SAFETY, EMERGENCY STOP AND LOCK OUT TAG OUT

Closing Date:  
**JANUARY 14, 2026**

FMM Institute

No 1, Lorong Raja DiHilir, 30350 Ipoh, Perak

Fax: 05-5488221

Dear Sir / Madam, please register the following participant(s) for the above programme.

1.	Name	Designation	
		HP No	
	NRIC	Email	
2.	Name	Designation	
		HP No	
	NRIC	Email	
3.	Name	Designation	
		HP No	
	NRIC	Email	

*(Please attach a separate list if space is insufficient)*

We hereby confirmed that *(Please tick (✓) in appropriate box):-*

- We **will be claiming from HRD Corp** and full payment would made to FMM Institute in the event that no disbursement from HRD Corp under any circumstances
- We will **NOT BE CLAIMING from HRD Corp**. Enclosed cheque/bank draft No \_\_\_\_\_ for RM \_\_\_\_\_ being payment for \_\_\_\_\_ participant(s) made in favour of the **"FMM Institute"**.

Submitted by:

Name:	Designation:	
Company:	Tel:	Fax:
Address:		
Email:	FMM Membership No	