



## INSTITUTE OF MATERIAL, MALAYSIA

### IMM Vibration Certification Scheme

## Certified Vibration Practitioner Category 2

Code: VP2

*HRDF claimable*

The quality of vibration analysis and condition monitoring depends to a very large extent on the quality of the personnel performing the task. What can be done to ensure the availability of capable and dedicated people? A professional certification with performance objectives will be the answer.

### Reference standards (reference used shall refer to the latest published document):

- ISO 18436-2: Condition Monitoring and Diagnostics of Machines - Requirements for Qualification and Assessment of Personnel - Part 2: Vibration Condition Monitoring and Diagnostics

### Who should apply

This program is intended for technicians, supervisors, engineers or anyone who passed IMM Certified Vibration Practitioner Category 1 and is interested to upgrade his/her knowledge and career in vibration conditioned monitoring and analysing.

### Objectives

- To highlight the impact of vibration management on health, safety and environment.
- To identify common vibration problems on machinery & their impact on productivity.
- To highlight the importance of vibration technology from the efficiency and productivity perspective.
- To equip participants with strong testing, analysing and diagnosing skills.

### Examination topics

- Principles of vibration
- Data acquisition
- Signal processing
- Condition monitoring
- Fault analysis
- Correction action
- Equipment knowledge
- Reference standards
- Fault severity determination

### Examination format

110 multiple choice questions

### Examination duration

3 hours

### Examination fee

As specified on the IMM website.

### Candidate's criteria

Candidate should have

- IMM Certified Vibration Practitioner Category 1 and with at least 6 months working experience in vibration monitoring.

NOTE: Candidate's criteria can be accessed based on ISO 18436-2.

### **Pre-requisite training**

A candidate without experience is required to attend IMM approved/recognized training course which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend IMM approved/recognized training course.

### **Criteria for certification**

Pass the examination with a minimum total mark of 70%

### **Certificate awarded**

IMM Certified Vibration Practitioner Category 2

### **Validity period of certificate**

5 years

### **Re-sit of examination**

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

### **Information on re-certification**

6 months prior to the expiry of certification (at the end of the 5<sup>th</sup> year of certification), the candidate can apply for re-certification for another 5 years by

- providing proof to IMM that he/she has been employed in a related profession; and
- attending the relevant Refresher Course for certification (if any).

Prior to the expiry of the 5-year re-certification (at the end of the 10<sup>th</sup> year of certification), the candidate can continue to be certified for a further 5-year period by

- providing proof to IMM that he/she has been employed in a related profession; and
- attending the relevant Refresher Course for certification (if any).

The candidate must re-sit the certification examination if he/she has been out of the profession for more than 18 months continuously during the 5-year certification or re-certification period.