

**INFORMATION BULLETIN**  
**NATIONAL TRAINING COURSE IN THERMAL/INFRARED TESTING**  
**LEVEL 1**

The Philippine Society for Nondestructive Testing, Inc. (PSNT), in cooperation with the Philippine Nuclear Research Institute, are offering a National Training Course in Thermal/Infrared Testing – Level 1, at the PHILIPPINE NUCLEAR RESEARCH INSTITUTE, (PNRI) DILIMAN, QUEZON CITY.

The course will cover forty (40) hours of training. The training sessions will require a full – day attendance of the participants from 8:00 A.M. to 5:00 P.M. daily except Saturdays, Sundays, and holidays.

**OBJECTIVES**

Pursuant to the implementation of a UNDP/IAEA Regional Cooperation Agreement Project (RAS/79/061) in the Asia Pacific Regions on the Industrial Applications of Radiation, Sub-project: Nondestructive Testing (NDT), the PSNT aim to promote and upgrade the practice of NDT personnel and harmonize the qualifications and professional standards of NDT personnel. The training course is also part of the training requirements based on the Philippine Standards, PNS/ISO 9712 version 2006 “Qualification and Certification of NDT Personnel”. The course also meets the training requirements of EN 4179 and NAS 410.

**PARTICIPATION**

The course is open to the following: (1) holders of a bachelor’s degree in engineering or the physical sciences; and individuals who have completed at least two (2) years of college education with at least 6 months of experience.

**NATURE AND SCOPE**

The course will consist of lectures by local experts. The syllabi will be based on the Philippine Standard PNS/ISO 9712 version 2006 (based on the IAEA – TECDOC – 628) on the qualification and certification of NDT personnel.

The following topics will be covered during the course:

1. The Nature of Heat
2. Temperature
3. Heat Transfer Modes Familiarization
4. Radiosity Concepts Familiarization
5. Introduction- Thermography
6. Checking Equipment Calibration with Blackbody References
7. Infrared Image and Documentation Quality
8. Support data Collection

## 9. Detecting Thermal Anomalies Field Quantification of Point Temperatures

### **FINANCIAL REQUIREMENTS**

The training fee IS SIXTEEN THOUSAND PESOS (P16,000) NET OF TAX per participant, PAYABLE TO THE PHILIPPINE SOCIETY FOR NONDESTRUCTIVE TESTING, INC.

### **HEALTH PROTOCOL REQUIREMENTS**

PNRI requires that all participants are fully vaccinated. FULLY VACCINATED CARD SHOULD BE PRESENTED AT THE GATE BEFORE ENTERING PNRI COMPOUND.

### **OTHER DETAILS**

For further particulars, please address your inquiries to:

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