



Establishment of the Quantum Based Standards for Realization SI base units

Duration: 2024-2026

Host Institution: DOST - Industrial Technology Development Institute (ITDI)

Project Description

Realization of the SI base units: ampere (A); metre, kg (through XRCd method); mole (through quantitative Nuclear Magnetic Resonance (qNMR))

Expertise Needed

- Quantum Josephson Voltage and Quantum Hall Resistance measurements
- Laser and interferometric system XPS and XRF analysis in purity assessment of organic compounds using quantitative Nuclear Magnetic Resonance (qNMR)

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