

# PONRAKIT LEARTRUNG VICHIEEN



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[ponrakitt.site](http://ponrakitt.site)

## OBJECTIVE

A passionate and relentlessly committed Nanomaterials Engineering student with an insatiable curiosity for scientific discovery and innovation. Demonstrated expertise in advanced materials synthesis, nanoscale characterization, and data-driven research across multidisciplinary projects. Proactive in pursuing real-world R&D challenges and developing precision laboratory skills far beyond academic expectations. Eager to join a world-class R&D team where I can push the frontiers of material science, drive transformative product innovation, and grow into a next-generation researcher solving global-scale problems.

## EDUCATION

### • AUG 2021 — JUN 2025

B.Eng. in Nanomaterials Engineering in King Mongkut's Institute of Technology Ladkrabang, Thailand

• FOCUS AREAS: NANOTECHNOLOGY, SURFACE ENGINEERING, ANALYTICAL TECHNIQUES

### • MAY 2018 — MAR 2021

High School Diploma – Science-Mathematics Program  
Wat Suthiwararam School, Thailand

## PROJECTS

- Light Guide Plate Fabricated by Laser Marking and Nanoparticle Coating Processes
- Nitrite And Nitrate Detection by Griess Reagent and Gold Nanoparticles
- Synthesis Of Graphene by Laser Ablation Method for Application as Electrode in Supercapacitors
- Fabricated The First Microfluidic Device, PDMS, For Mixing Small Amounts of Chemicals
- DFT-Based Structural Optimization of Potassium Chloride via CASTEP

## TECHNICAL SKILLS

- **Instruments:** SEM, UV-Vis, XRD, XRF, Contact Angle Meter, Micro Hardness Tester
- **Software:** OriginLab, AutoCAD, SolidWorks, Material Studio
- **Programming:** Python, Arduino, HTML
- **Analysis:** Data Interpretation, Scientific Reporting, DFT Simulation (CASTEP)

## SOFT SKILLS

- Data Analysis
- Communication Skills
- Technical Proficiency
- Market Research
- Python
- Analytical Thinking
- Team Collaboration
- Creativity
- Microsoft Office
- Multitasking
- Consistency
- Laboratory Safety
- Time Management
- Research Documentation

## LANGUAGES

- Thai — Native
- English — Intermediate

## MORE ABOUT ME

