

Connect with Us



Microelectronics and Nanotechnology -
Shamsuddin Research Centre (MiNT-SRC), Block
F5, Universiti Tun Hussein Onn Malaysia, 86400
Parit Raja, Batu Pahat, Johor, Malaysia.



07-4538611



<https://mint.uthm.edu.my/en/>



<https://www.facebook.com/MiNT.SRC.UTHM>



Monday - Friday (8.00 AM - 5.00 PM)



MiNT-SRC Location
(Google Maps)



MiNT-SRC
Official Websites

Introduction

MiNT-SRC at UTHM is a research hub focused on microelectronics and nanotechnology. The lab provides advanced facilities for innovation and supports both students and researchers in developing new technologies.

Mission

To generate and disseminate knowledge, to meet the needs of industry and community and nurturing creative and innovative human capital, based on the tauhidic paradigm.

Vision

Towards development of sustainable material and devices for green environment

UNLOCK INNOVATION AT MiNT-SRC

MiNT-SRC is UTHM's hub for cutting-edge materials innovation, nano technology solutions, and sustainable research partnerships.



SCAN NOW!

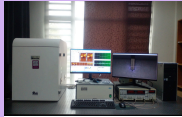
Existing Facilities:

- | | |
|---|---------------------------------|
| ✓ Materials Analysis & Characterization | ✓ Micro & Nano Fabrication |
| ✓ Prototyping & Sample Preparation | ✓ Consultancy & Collaboration |
| ✓ Electrical & Device Testing | ✓ Equipment Rental / Lab Access |

Advanced Laboratory Equipment



Material Analysis



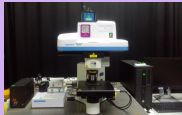
Atomic Force Microscope (AFM) (Park System)



Atomic Force Microscope (AFM) (Hitachi)



Field Emission Scanning Electron Microscope (FESEM) and EDX



Raman Spectroscopy



Contact Angle



Surface Profiler



X-ray Diffraction (XRD) (Panalytical)



XRD (Rigaku)



Nano Indenter



Nano Processing



DC Sputter



Thermal Evaporator



RC & DC Sputtering System



Reactive Ion Etching

Why Choose Us?



Cutting-Edge Facilities



Expert Team



Collaborative Opportunities



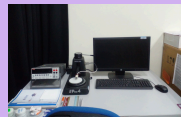
Comprehensive Services



Electrical Analysis



Hall Effect



4 Point Probe



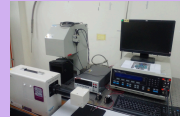
UV - VIS



Semiconductor Device Parameter Analyzer (SPA) and Probe Station



Incident Photon to Current Efficiency (IPCE)



Solar Simulator and 2 Point Probe



Others



Muse Cell Analyzer



Centrifuge



Vacuum Oven



Oven

Our Services

Mint SRC Lab UTHM is essential for advancing research and innovation with modern equipment, supporting industry needs, enhancing student learning, and fostering collaboration for real-world solutions.



Surface Morphology Imaging (SMI)

Detailed imaging of surface structures and textures at the micro and nanoscale.



Elemental Analysis

Precise chemical composition analysis of materials.



Material Characterization

Material characterization is the process of analyzing and understanding the structure, composition, and properties of materials



Research Collaboration and Consultancy Services

Supporting academic and industrial partnerships, research projects, and testing requests from local and international clients.