



Research & Development

- Align university research with longer term, strategic opportunities for innovation, creating economic impact in collaboration with industry partners.
- Collaborate with local companies through government research grants or contract research.
- Establish research partnership with overseas companies through technology localization to meet specific application demand, policy and regulation requirements.



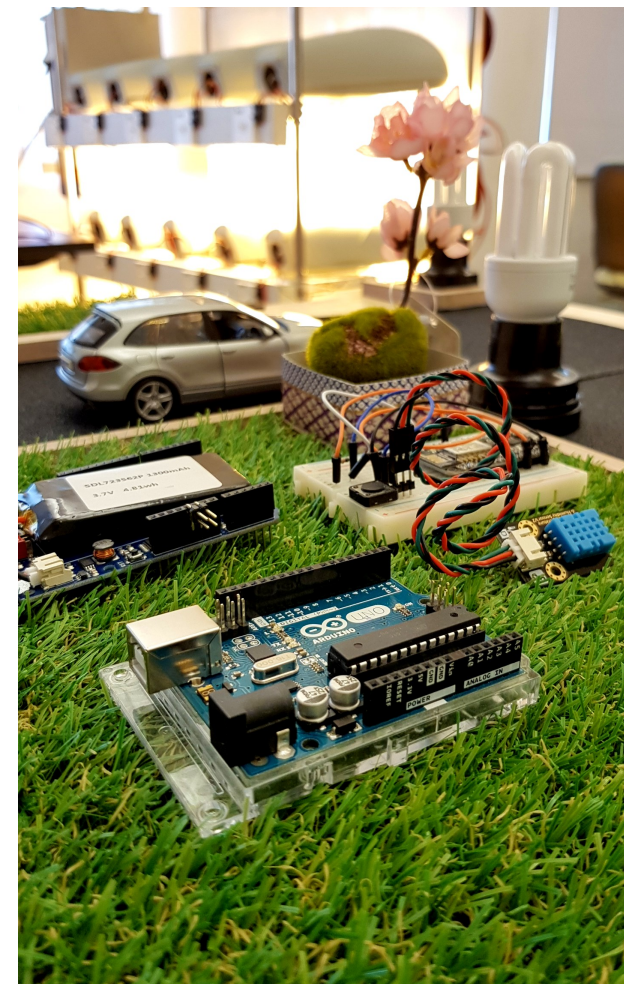
New Growth Area

- Smart sensor system based on optoelectronic sensing for healthcare applications.
- Specialized solid state lighting for smart lighting and precision farming.
- Intelligent sensor network supporting smart Industry, infrastructure and track & trace solution.
- Smart packaging and labeling for product safety & Security and security.



Contact Us

Hamidah Binti Sidek
 Director,
 Industrial Centre
 of Innovation in Sensor,
 SIRIM Industrial
 Research, SIRIM Berhad
 40700 Shah Alam
 Selangor
 DID: (603) 5544 5850
 H/P : (6012) 655 7818
 Fax : (603) 5544 5106
 Email : hamidahs@sirim.my
 Visit us on the web: www.sirim.my



Industrial Centre of Innovation in Sensor



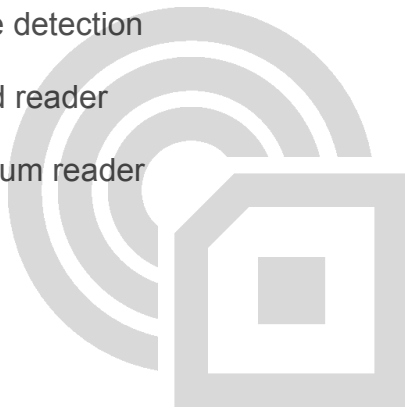
SIRIM INDUSTRIAL RESEARCH
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Biosensor

Application of electronic devices to biological component for screening and diagnostic purpose.

- Microfluidic system for Dengue serotype detection
- Uric acid reader
- Ammonium reader



Photonics

Development on the applications of Specialized Solid State Lighting (SSL), optical sensors and LoRa devices for smart systems.

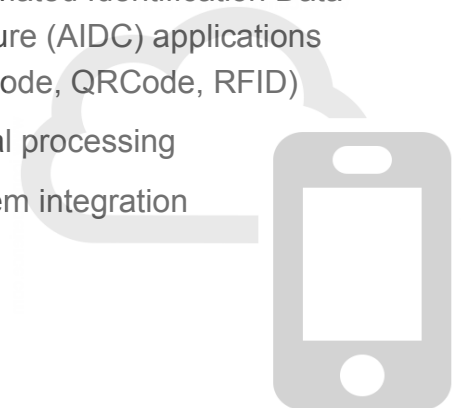
- Smart underwater fish attraction LED system for marine aquaculture.
- Lighting system for chicken broiler.
- Luminaire for phytoplankton culture
- eSLite



Integrated Sensing System

Hardware and application development on mobile and web platform:

- Internet of things (IoT) based devices
- Automated Identification Data Capture (AIDC) applications (Barcode, QRCode, RFID)
- Signal processing
- System integration



ICI-Sensor

Industrial Centre of Innovation in Sensor known as ICI-Sensor focuses on developing products and services through sensor technology in the area of biosensor, photonics and integrated sensing system.