



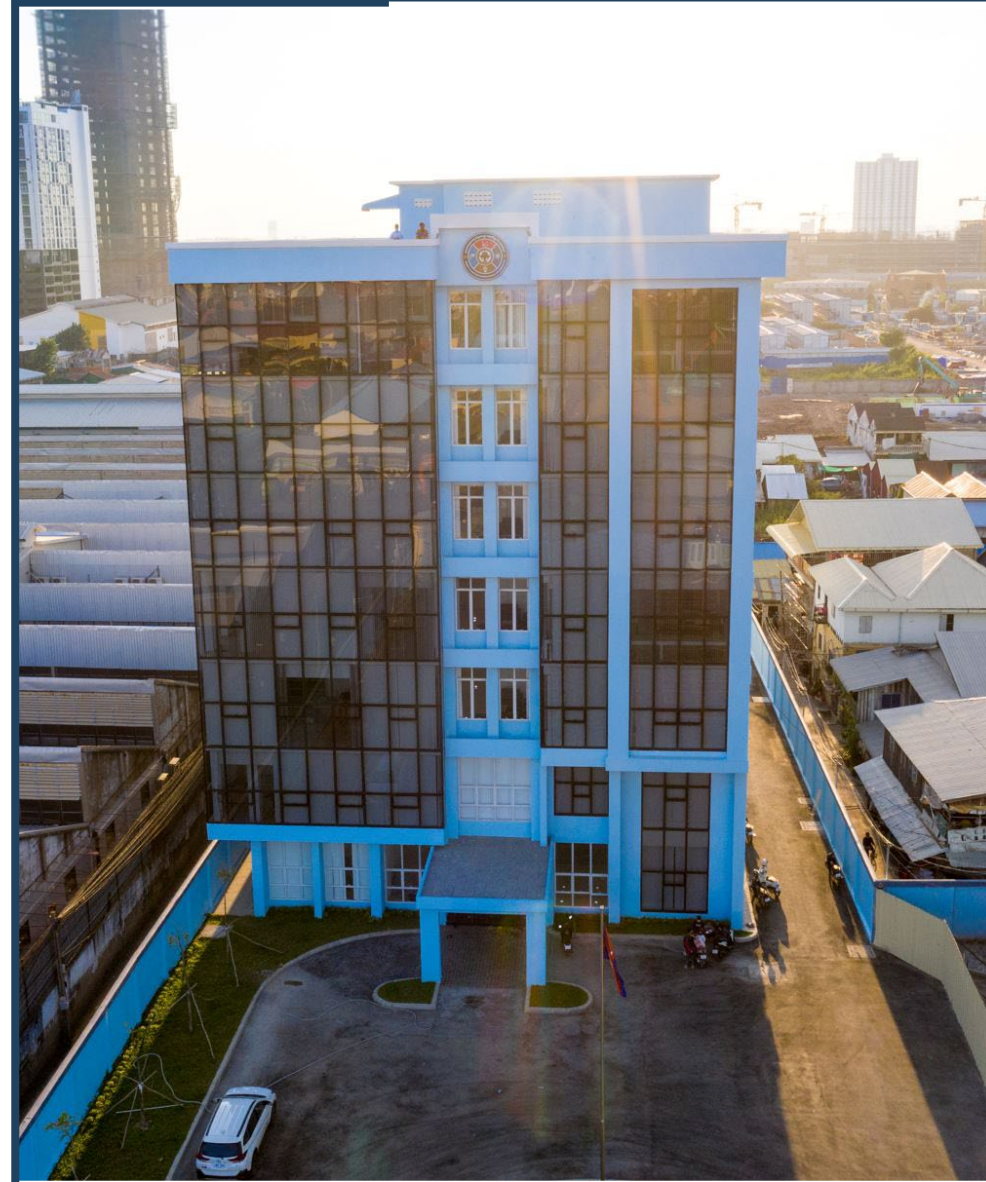
National Institute of Science, Technology and Innovation (NISTI)

Sereyboth Soth

**5th Annual Meeting on ASEAN Network on
Nuclear Power Safety Research**

**Singapore Nuclear Research & Safety
Initiative (SNRSI)**

26th to 28th October 2022



**Department of Technology
Research and Development**

D/R&D

**Department of Science,
Technology and Innovation
Training**

D/TRN

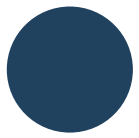
OUR DIVISIONS

**Department of Science,
Technology and Innovation
Promotion and Development**

D/PRO

**Science, Technology and
Innovation National
Laboratory**

STINL



About D/R&D

D/R&D

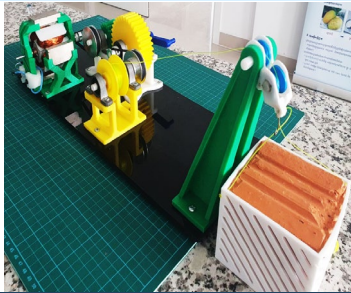
Office of Information and General Affairs

Office of Research and Development of STI

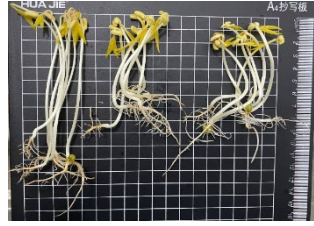
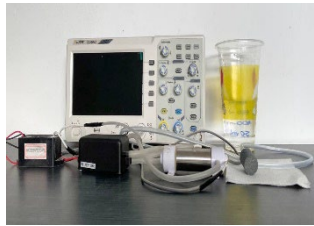
Office of Research and Development Cooperation

Fab Lab

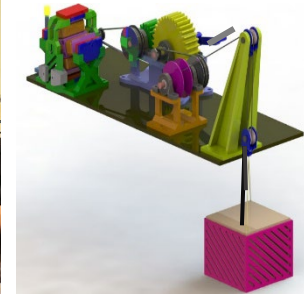
Current Activities



University students visited in Fab Lab



Research project on "Turning Agricultural Residue into Value-added Products: Particle Board"



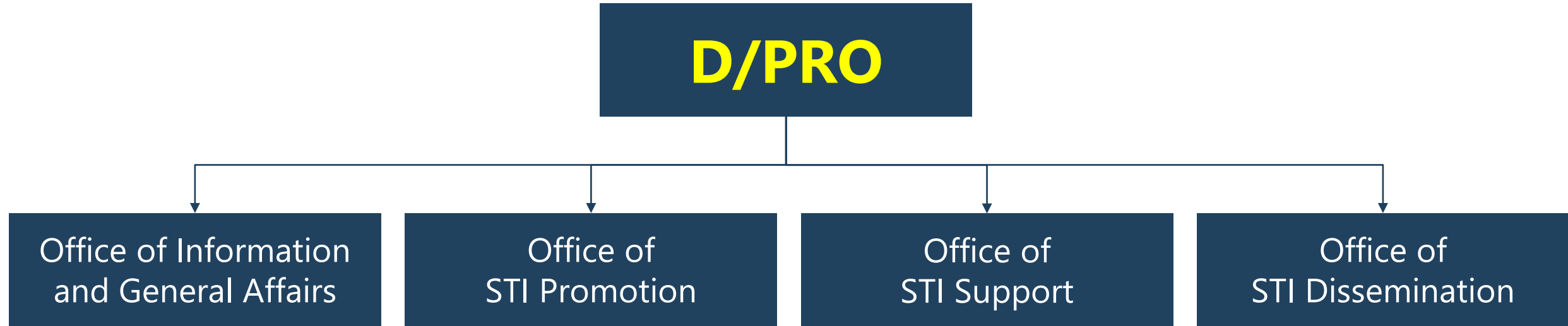
Introduction of 3D printer for prototype educational tools in STEM event



Research project on "Turning Agricultural Residue into Value-added Products: Particle Board"



About D/PRO



CURRENT ACTIVITIES

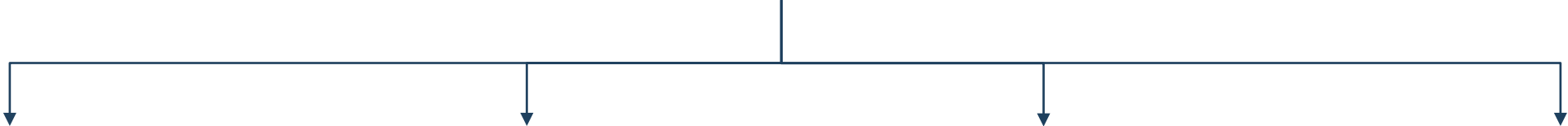




About D/TRN



D/TRN



Office of Information and General Affairs

Office of STI Training

Office of Management and Development Training Program

Office of STI Training Qualification

CURRENT ACTIVITIES





About STINL

STINL

General Affairs and
Marketing Relation
Office (GAMRO)

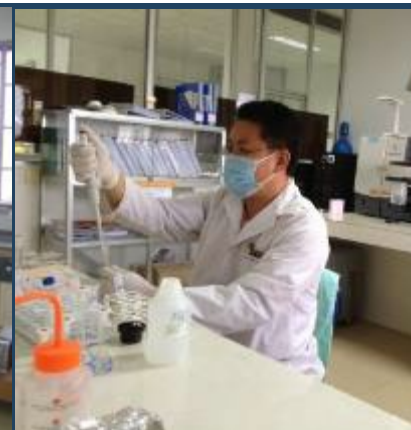
Microbiology
Testing Laboratory
(MTL)

Water Chemical
Laboratory (WCL)

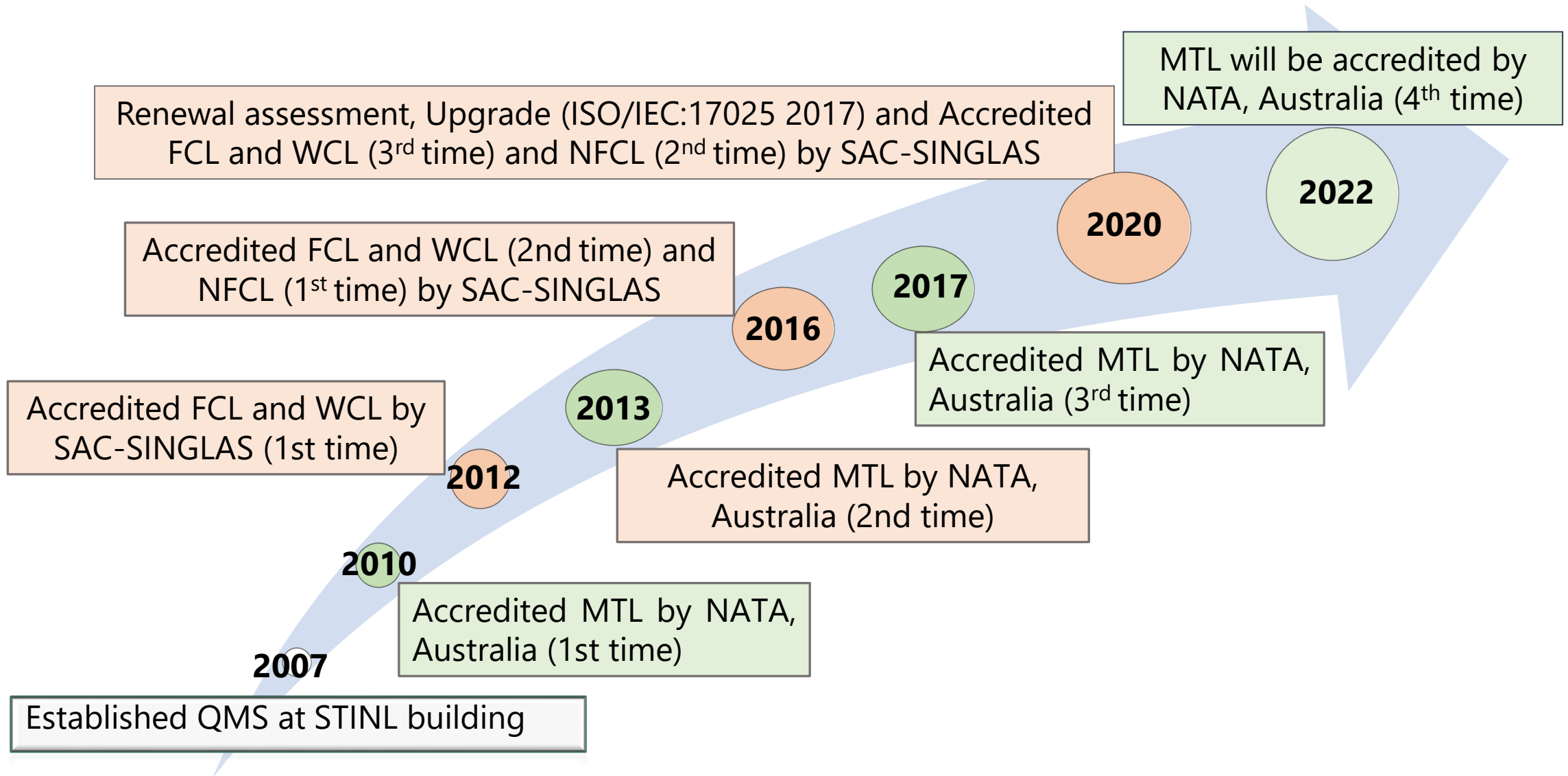
Food Chemical
Laboratory
(FCL)

Non-Food Chemical
Laboratory
(NFCL)

Mechanical, Electrical
and Electronic
Laboratory
(MEEL)



About Accreditation





About Partner



Royal University
of Agriculture
(RUA)

Public Universities/Institutes



សាកលវិទ្យាល័យ ពុទ្ធិសាស្ត្រ
UNIVERSITY OF PUTHISASTRA



Private Universities/Institute



About Publication

➤ Number of publication: 16

Area Publication	Paper Type	Publisher
Understanding how food safety risk perception influences dietary decision-making among women in Phnom Penh, Cambodia: a qualitative study	Journal	BMJ Open
Chapter 6: Multidrug-Resistant Bacteria	Book Chapter	Springer
Chapter 9: Virus Removal by Poly Aluminum Chloride and Calcium Hypochlorite ^B	Book Chapter	Springer
Chapter 6: Bacterial Communities: Their Dynamics and Interactions with Physicochemical Factors	Book Chapter	Springer
Creating a Tech Start-Up Ecosystem in Cambodia	Policy Brief	AVI
Problem Analysis on Public-Private Partnership for Small and Medium Enterprises: A Case Study in Cambodia	Journal	Chemical Engineering Transactions
Physico-Chemical Properties of Suspended Solids and Sediment	Book Chapter	Springer
Assessment of pesticide contamination in vegetable and water from Chhnok Tru floating communities of Tonle Sap Lake	Abstract	SIL2021-35th Congress of the International Society of Limnology
Assessment of Microbiological Water Quality in Tonle Sap River and Kob Srov Lake in Phnom Penh, Cambodia	Abstract	SIL2021-35th Congress of the International Society of Limnology
Academics at the Science-Policy interface: Minding the Gap	Abstract	INORMS 2021
Importing Skills and Institutional Innovation in Cambodia	Commentary	AVI
Contract Farming in Mekong Countries	Policy Brief	CDRI
Connecting Cambodia 's SMEs to Regional Value Chains: Bridging the Gaps and Missing Links	Book Chapter	ADB I
The Power of Physics for Cambodia: Beyond the Classroom	Commentary	AVI
The Future of Work in Cambodia: Potential of Emerging Digital Technology for SMEs	Book Chapter	KAS Digital Insight-Future of Work
Enrichment in biodiversity and maturation of the soil food web under conservation agriculture is associated with suppression of rice-parasitic nematodes, Agriculture, Ecosystems and Environment	Journal	Agriculture, Ecosystems & Environment

Potential Collaboration



Training of Trainer

- Building human resources in peaceful use of nuclear
- Certified trainers
- Certified operators



Food and agriculture

- Food irradiation facilities
- Radiation-induced plant breeding
- Radiation-based sterile insect technique



Health

- Improving the accuracy of radiotherapy treatment
- Medical imaging procedures
- Quality assurance for the use of radiation in medicine



Laboratory

- Health and safety use nuclear in the lab
- Physical Containment Lab (1 & 2)
- Food and water testing lab

THANK YOU