THE ASIA OPEN RAN ACADEMY

The Asia Open Radio Access Network (open RAN) Academy is a society of distinguished scholars and scientists that aim to promote and maintain standards in open RAN[1] and the telecommunications industry. The Academy will support last-mile connectivity by promoting an open RAN curriculum and technical exchanges in the Indo-Pacific region so mobile network operators and internet service providers have access to the skilled workforce needed to test and deploy open network architectures.

The Academy is an alliance of academic, government, and industry stakeholders in the Philippines and Indo-Pacific region that share a common objective to advance an open, interoperable, reliable, and secure Internet and vibrant digital ecosystem through increased cooperation, competition, and choice.

In designing the Asia Open RAN Academy, the following principles were developed:

1. Open education resources allowing anyone to audit a course and freely access all lectures, readings, and discussion forums in a module. Features also include graded homework and a certificate of completion, both professional and executive. A fee will be required for educational programs, Bachelor's, and Master's degree will require a fee.

2. Curriculum standards are aligned to open RAN, 3GPP[2], ITU[3], IEEE[4], and other standards. Badges and certifications will be based on a competency-based assessment.

3. Coordinated efforts to form a community of practice to pool talent, exchange knowledge, and share skills. The community of practice will enrich a learner's engagement activities through case studies, laboratory experiences,

4. Partnerships include academics, industry, and government in the Philippines, the Indo-Pacific, and beyond. Academics will lead in course delivery for particular units, industry will provide access to testbeds, and

[1] Open RAN is a new approach to network architecture that opens up the telecommunications network, allowing Mobile Network Operators to choose the best products and solutions from a variety of vendors. It allows for the disaggregation of traditional network components into sub-elements through open interface specifications, software-based solutions, and vendor-neutral hardware.

[2] 3GPP, or 3rd Generation Partnership Project, unites seven telecommunications standard development organizations and provides their members with a stable environment to produce the Reports and Specifications that define 3GPP technologies, to include the maintenance and development of the Technical Specifications and Technical Reports for evolved 3GPP technologies, beyond 3G.

[3] ITU, or the International Telecommunication Union, is the United Nations specialized agency for information and communication technologies (ICTs). The ITU allocates global radio spectrum and satellite orbits, develops the technical standards that ensure networks and technologies seamlessly interconnect, and strives to improve access to ICTs to underserved communities worldwide.

[4] IEEE, or Institute of Electrical and Electronics Engineers, is a technical professional organization dedicated to advancing technology for the benefit of humanity.

and online events.

government partners will enable an environment for advancing open RAN research and deployment.

FOUNDING MEMBERS

The Academy's founding partners and strategic allies come from a variety of different sectors, including:

Academia	• Ateneo de Manila • Ateneo de Zamboanga • De La Salle University • University of Santo Tomas • University of the Philippines • Palawan State University • Southern Luzon State University
Private Sector/Industry	• Globe • Kawing Innovations • Nexlogic • Smart • TerraHertz • Optel
Public Sector	• Department of Information Communication and Technology (DICT) • Department of Science and Technology Advanced Science and Technology Institute (DOST-ASTI)
Professional Associations	• Asia e-Health Information Network (AeHIN) • Central Visayas Information Sharing Network (CVISNET) • CIO Forum Foundation (CIOFF) • Institute of Electronics Engineers of the Philippines (IECEP) • Philippine ICT Organization (PICTO) • Philippines Network Operators Group (PhNOG)
International Stakeholders	• Ministry of Internal Affairs and Communication (MIC)(Japan) • Fujitsu (Japan) • NEC (Japan) • NTT Docomo (Japan) • Rakuten Symphony (Japan)Parallel Wireless (U.S.) • Samsung (S. Korea)

	• TIP/TelkomU (Indonesia) • Wireless Research Center (WRC) (U.S.)