



Dr. Pornpun Waitayangkoon (Ph.D., M.Ed., B.Sc.) is the Director of the SEAMEO Center for STEM Education (SEAMEO STEM-ED) based in Bangkok, Thailand. The SEAMEO STEM-ED Center aims to develop, maintain and continuously strengthen capacities in STEM education, serving as regional knowledge repository and creator through high quality research in STEM education, both in Thailand

and within the SEAMEO region in a way that provides evidence of good practices, experiments and demonstrates pragmatic approaches, and guides effective policy formulation and capacity building of policy makers, professionals and practitioners.

She had been working with the National Institute for the Promotion of Teaching Science and Technology (IPST) for 40 years involved with SMT education at all school grade levels. Her past experiences during 2011-2019 as the President of IPST, within the Institute's missions, targeted at students, teachers, parents, and education personnel. The main tasks included the development of revised versions of SMT curriculum standards and new text materials, the integration of STEM education to the core curriculum to build capacity of learners for future quality workforce, the participation of OECD PISA study to inform policy makers to improve basic literacy of the students in reading, science and mathematics, the improvement of teachers' teaching strategies using STEM education approaches, and the promotion of high potential students in science and mathematics to be on stages of international competitions. Partnerships and networking with local and international universities, institutions, and private agencies were the keys to the accomplishments.