



ASSOCIATION OF ACCREDITED SCHOOL OF BUSINESS INTERNATIONAL



Mahanakorn University

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**HOLISTIC QUALITY EDUCATION
TEACHING-LEARNING PROCESS**



Associate Professor Dr. Panavy Pookaiyaudom, President Mahanakorn University International College, Bangkok, September 2022

Mahanakorn University of Technology (MUT) is a university Bangkok in Thailand established 1990 in Nong Chok District, Bangkok. by as a former Dean of King Mongkut's Institute of Technology Ladkrabang, Bangkok. The objective was to train engineering students in response to the severe shortage of engineers under his private new name Mahanakorn University of Technology. It is the first and still the only university in the country that operates its own low-orbit microsatellite TIMSAT.

Faculties: There are four faculties: Engineering, Information Science and Technology, Veterinary Medicine and Business Administration. Doctoral and master's degree programs are offered in addition to bachelor's degree courses in Nong Chok District, Bangkok. Another campus is located at Vanit2 Building on New Petchaburi Road of Central Bangkok.

Overseas cooperation with overseas universities has played an important role in the development of MUT. Partnerships have been established with:

- Korean Advanced Institute of Science and Technology, South Korea
- The University of New South Wales, Australia
- University of Sydney, Australia
- Imperial College London, England
- The University of Surrey, England
- Coventry University, England
- University of Veterinary Medicine Hanover, Germany.

MUT and Imperial College (London, England) has jointly established an electronic circuit design laboratory in Imperial College. The centre was opened by Her Royal Highness Princess Royal, daughter of Her Majesty Queen Elizabeth II. It is a research centre for Thai doctoral students and a gateway for Thai industry to access advances in Microelectronics.

Notable activities: MUT has designed and constructed a microsatellite. The satellite was built in the University of Surrey by a team of MUT engineers and launched in March 1998 as a satellite named *Thai Paht* by His Majesty King Bhumibol. It is controlled from the ground station on the Nong Chok campus. The station has opened educational centre for communication engineering students and a research centre in satellite engineering, as downloaded from the satellites used in the study of regional and environmental features. A program of further satellite construction is underway in cooperation with Chinese and Korean satellite research institutes. Mahanakorn has established itself as notable research centre nationally and worldwide. MUT staffs have published the largest number of articles among Thai academics in international engineering journals.



Professor Dr. Jirayuh Mahattanakul of Electrical Engineering, M.S., Florida Institute of Technology, Florida and Ph.D., Electrical Engineering (Analog IC Design), Imperial College of Science, Technology and Medicine of Imperial College London, England.

Professor Jirayuth Mahattanakul has been Shrewsbury Bangkok Riverside's School Manager since the school's inception 2003. A graduate of Imperial College London, Dr Mahattanakul serves on the International Schools of Thailand board as Vice President and Membership and Operation Co-chair. Dr. Mahattanakul was royally appointed as a Professor of Engineering in 2011, and was on the executive committee of the Engineering Institute of Thailand under the King's patronage.

Civil Engineering Civil Engineering is the oldest form of engineering science and has been popular and crucial in every era. The Civil Engineering profession plays a huge role in the development of various infrastructures and also on the progress of the country. Moreover, all civil engineers must have a license in order to operate since it involves and is responsible for public safety. This leads to a continuously demand of large numbers of the profession in order to meet the constant development of the country's infrastructure and the country's prosperity.

Mechanical Engineering is an essential professional field for the development of a country and is involved in nearly all operations in a lot of industries. Mechanical engineering is not only about machinery. Under MUT, students study the fundamental principles of thermodynamics, energy and properties of pure substances such as gases, liquids and solids. Mechanical engineering is still in demand in industrial operations in every country. This course will be most suitable for favor mechanical systems, robotics, machinery, engine systems.

Communication & Electronics, Computer AI and Digital Marketing. -- Nowadays, communication and electronics can be the medium to drive industrial systems both local and internationally; but not only important in the industry. -- Computer and AI engineering covers the foundation Software, Hardware & Network, and forms of technology in the couple of years of IT industry. - Digital Marketing Globalization internet in business demand new strategy and method new markets. The demand knowledgeable and experienced digital marketing professionals growing exponentially especially those who can do it at global scale using English language as medium.

Global Logistics and Industrial Management, and Digital Entrepreneur. -- The aim of this program is can handle logistics and material flow in global scale. The present industry seeks graduates, who can manage purchasing, logistics, transport, commerce and production. The demand of this profession is increasing as the e-commerce is in global scale and needs to transport goods at time and place. -- Digital Entrepreneur new generation entrepreneurs able to manage personal and organizational task together effectively. efficiently through entrepreneurship practice. The ability to learn and create a startup or SME business that responds to the constant changes in the industry in this era and also the future, is placed at heart through the development of this course.'



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MUT Mahanankorn University of Technology **Engineering, Information Science & Technology, Veterinary Medicine, Business Administration** **President Associate Professor Dr. Panavy Pookaiyaudom**

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Secretary - Treasurer

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