Course Application for E-Cube-I Scholarship 2022

Course name	Bachelor of Engineering Program in Electronics and Telecommunication Engineering
Course Details	This curriculum has provided the learning with both theory and practical work to be electronics and telecommunication hand-on engineering. Our curriculum consists of two majors of studying in this course; electronic engineering and telecommunication engineering. For the first and second year of two majors will take the same basic engineering course as the requirement of this curriculum to aim giving students grounding in the underlying principles of electronic and telecommunication engineering before allowing specialization in an area of interest later. The program will emphasize on the fundamental of electronic and telecommunication engineering with incorporating between principles and practical experiences in the work shop. The electronic design software simulating results will be compared with hand-on experiments in the laboratory. For the example, electric circuit, electronic engineering, digital circuit design, principle of communication engineering and microcontrollers are main subjects including to study. The third and fourth years of studying, the students will specialize on their major fields. The electronic engineering will specialize on electronic circuit design, sensor and transducers, programmable logic control (PLC), power electronic design, electrical machine and drives, embedded system design, digital signal processing, digital image processing, machine learning, artificial intelligence (AI), industrial robot control. The telecommunication engineering will concentrate on digital communication, mobile communication, satellite communications, optical communication, internet of things(IoT), antenna design, microwave engineering, communication networking and network management, broadband global internet network.

	Not only learning the theory and practical work at the university, final year student will be also involved in their thesis with design and build electronic and telecommunication engineering project within groups. Moreover, the most important to make sure that the student who graduated from this course have to be hand-on engineering, the student have to do on one semester cooperation in electronic and telecommunication company or manufactory.
Required-number of Undergraduate-Student	5
Required-number of Graduate-Student	-
Course conditions	Language of Instruction: Thai Duration of Course 4 years
Applicant qualifications (Specific qualifications)	1. Applicants are required to fulfill the university prerequisite according to their scholarship categories (1-4). 2. Applicants are graduated in science and math courses in the senior high school or vocational certificate in industrial technical fields. 3. Senior high school transcript/ vocational certificate 4. English test score following university requirement 5. CV or resume, portfolios
Contact person	Name: Asst. Prof. Dr. Paitoon Rakluea Phone/ Mobile Number: +66-2-549-4620 E-mail: paitoon_r@rmutt.ac.th