

Mr. Anuchit Nirapai

College of Biomedical Engineering Rangsit University Thailand

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E-Mail: anuchit.ni@rsu.ac.th

Personal Details:

Nationality : Thai Date of birth : 9 December 1985 Place of birth : Krabi, Thailand

Education background:

June 2010-June 2015 : Master of Science in Communications Engineering program (This program is offered by The Sirindhorn International Thai-German Graduate School of Engineering based on the RWTH Aachen model with instruction conducted in English) from King Mongkut's University of Technology North Bangkok (KMUT-NB), Thailand G.P.A.: 3.73

Thesis Topics: Intelligent and dynamic channel allocation for IEEE 802.15.4 based wireless sensor networks

April 2004-March 2008 : Bachelor of Electrical Engineering (Communication Engineering) from Srinakharinwirot University, Ongkharak, Nakhonnayok G.P.A.: 3.30 (2nd Honor)

Project Topic:

Online knowledge-based system development tool

- Knowledge acquisition (Expert systems)
- PHP, MySQL
- A.I. (Artificial Intelligence)

Publications:

2022 : Manasavee Cuteorngart, Phichitphon Chotikunnan, Manas Sangworasil, Nuntachai Thongpance, **Anuchit Nirapai**, Anantasak Wongkamhang, Raviphon Chotikunnan "Design of Adaptive Fuzzy Logic Control System with Expert System for Medical Robotic Application" Thailand Journal of Health Technology. Pages 27-35 Year 3, Vol 1 (2565) January 2565 - June 2565

2021 : Anuchit Nirapai, Anantasak Wongkamhang "Medical Device Management System to Solve the Shortage of Medical Equipment and Supplies"

Thailand Journal of Health Technology. Pages 57-62 Year 2, Vol 2 (2564) July -
December 2564

- 2021 Anantasak Wongkamhang, **Anuchit Nirapai** "Dental Unit Management System Using Online Data Tracking System (Online Dental Unit Data Assessment System)" The International Journal of Applied Biomedical Engineering (IJABME), Pages 22-27 Vol.14, No.1, January - June 2021
- 2020 : **Anuchit Nirapai**, Anantasak Wongkamhang "Pulse Rate Evaluation System for Inpatient" Thailand Journal of Health Technology, Pages 35-39, Year 1, Vol.1, No.1, August 2563 - January 2564
- 2019 : **Anuchit Nirapai**, Jittarporn Somchue, Pongsiri Chaikot, Nipa Kimsungnoen, Manas Sangworasil, Ratchanee Saosuwan, Anantasak Wongkamhang., "Health Information System for Home Visits"., The 2019 Technology Innovation Management and Engineering Science International Conference (TIMES-iCON2019),11-13 Dec 2019.
- 2019 : Anantasak Wongkamhang, Thanakrit Hengwanich, Singchai Uamnoi, Surawut Tonsri, Manas Sangworasil, Ratchanee Saosuwan, **Anuchit Nirapai**., "Drug-Use Tracking System"., The 2019 Technology Innovation Management and Engineering Science International Conference (TIMES-iCON2019),11-13 Dec 2019.
- 2018 : **Anuchit Nirapai**, Anantasak Wongkamhang, Manas Sangworasil, Ratchanee Saosuwan, Phannarin Yotthuan, Pongsiri Chaikot., "Computerized Medical Device Management System"., The 2018 Technology Innovation Management and Engineering Science International Conference (TIMES-iCON2018),12-14 Dec 2018.
- 2017 : Thongpance N, Kaewgun T, Wongkamhang A, Roongprasert K, Pititeeraphab Y, **Nirapai A.** and Chotikunnan P., "Implementation of Defibrillator Calibrator for Working Standard"., Internationnal Journal of Applied Biomedical Engineering., Vol.10, No.1 2017., ISSN 1906-4063.
- 2017 : **Anuchit Nirapai**, Anantasak Wingkamhang, Ratchanee Saosuwan, Manas Sangworasil. Takenobu Batsuura and Nuntachai Thongpance. (2017). A Case Study Developed PM Software Management System for Biomedical Equipment use in Srisawan Hospital. RSU International Research Conference 2017, 28 April 2017
- 2015 : Soamsiri Chantaraskul, Komchan Chaitien, **Anuchit Nirapai**, Chayaphon Tanwongvarl. (2017) Safety Communication Based Adaptive Multi-Channel Assignment for VANETs. Wireless Personal Communications: An International Journal Volume 94 Issue 1, December 2015 Pages 83-98.

- 2014 : **Anuchit Nirapai**, Soamsiri Chantaraskul. (2014) Centralized Control for Dynamic Channel Allocation in IEEE 802.15.4 Based Wireless Sensor Networks, Engineering Journal, Vol 18, No 4.
- 2013 : **Anuchit Nirapai**, Soamsiri Chantaraskul, Chayaphon Tanwongvarl. (2013) Intelligent and Dynamic Channel Allocation for IEEE802.15.4 Based Wireless Sensor Networks. The 2013 International Electrical Engineering Congress.
- 2012 : Maethaphan Kitporntheranunt, Watcharachai Wiriyasuttiwong, **Anuchit Nirapai**, Athit Boonmeepit. (2012) Building the pelvic endometriosis knowledge base software. Journal of medicine and health sciences Volume 19 Issue 2 page29-37.

Experiences:

- 2018-Present : Faculty of Engineering Srinakharinwirot University
Position: Invited Lecturer
- 2017-Present : Faculty of Biomedical Engineering Rangsit University
Position: Lecturer, Assistant Dean for Information Technology
- 2016-2017 : Office the Public Sector Department Commission
Project Topic: Development of Database System for Public Sector Audit and Evaluation
Position: Researcher
- 2013-November 2015 : King Mongkut's University of Technology North Bangkok (KMUT-NB)
Position: Research assistants.
Project Topic: AF and Proxy software and networks project with Symsoft, Sweden Company
Responsibilities: Programming (JSP, MySQL), Server and Network installation, Server optimization (Linux Server)
Project Topic: Vehicular ad hoc network project
Responsibilities: Programming (OMNeT++) installation, Server installation (Linux Server)
Project Topic: Cognitive Radio project with RWTH AACHEN UNIVERSITY, Germany
Responsibilities: Programming (OMNeT++) installation, Server installation
Project Topic: Maintenance and troubleshooting computer equipment and computer networks
Responsibilities: Server and Network installation (Linux Server and Windows Server)
- August 2008-July 2010 : HRH Princess Maha Chakri Sirindhorn Medical Center (Ongkharak, Nakhon Nayok)
Department: ICT.

Position: Computer Academic, Project Engineer

Responsibilities:

- Maintenance and Troubleshooting computer hardware, computer software, computer equipment and computer networks
- Create and design Web site
 - Programming (PHP, MySQL)
- Project Engineer of Medical Research on WiMAX Technology

April-October 2008

: Office of the Higher Education Commission.

Project Topic: Academic Position Ranking Information System

Position: Research assistants.

Responsibilities:

- Error Checker and Data Adder with web service program
- Programming

Link: <http://202.44.139.1/>

2006-2010

: Office of national research council of Thailand

Project Topic: National Research Project Management

Position: Research assistants.

Link: <http://nrpm.nrct.go.th>

2009-2012

Project Topic: Create and develop Knowledge-Based Systems project

Position: Researcher.

Link: <http://knowledgeengineer.org/project/>

Internships

2017

Clinical Engineering Training

Place: Tokai Hospital Tokai University, Japan

2013

Project Topic: Cognitive Radio for Wireless Sensor Networks

Place: RWTH AACHEN UNIVERSITY, Germany

2012

Project Topic: Optimization software for drive test in 2G and 3G

Place: True Corporation Bangkok Thailand

2007

Place: Wire & Wireless Co., Ltd. Bangkok Thailand

Certificates:

2021

Recognition of Existing Skills and Knowledge Examiner: RESK Examiner 2021

2019

Digital Imaging and Communications in Medicine (DICOM) Bangkok, Thailand 2019.

- 2017 **Key Joint Commission International Concepts on Facility Management & Design Course**,
Joint Commission International 2016.
- 2017 **Clinical Engineering**, Tokai Hospital Tokai University, Japan
- 2017 **Advanced R Programming Language for Data Analysis and Statistical Applications**
(R2017), Division of Bioinformatics and Data Management for Research Department of
Research and Development, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok,
Thailand
- 2017 **Security**, Developer / Producer Development Program, Digital Economy Promotion Agency
Ministry of Digital Economy and Society 2017
- 2017 **Assessment Technique**, developed under the Memorandum of Understanding between
Thailand Professional Qualification Institute and Thailand Industrial Standards Institute (Office
of the National Standardization Council)
- 2017 **1st TPQI Assessor's Day 2017**, Thailand Professional Qualification Institute