

NUTCHAPAT THEETAWATWONG

Bachelor of Civil Engineering, Master's in Structural Engineering

ABOUT

Sex: Male
Nationality: Thai
DOB: November 10th, 1996
Age: 24 Years old
Email:
25211.nutchapat@gmail.com
Mobile: +66 84 657 9738
Address:
100/44 Soi.Bangkrang38
Bangkruiy - Sainoi Rd. Muang
Nonthaburi, 11000
Language: Thai, English
Working Experience:
First-time job seeker

SKILLS

Language: English, Academic
Writing Placement Test (AWPT by
AIT) 6.0/9.0
Working Skills:
Python, AutoCAD, ETABS,
SAP2000
Other Skills:
Golf, Piano, Guitar

REF. PERSON

Dr. Punchet Thammarak

Adjunct Faculty of Structural
Engineering at Asian Institute of
Technology

Email:
punchet.thammarak@gmail.com

EDUCATION

2012 - 2015
Assumption College Thonburi, Bangkok
• High School Education

2015 - 2018
King Mongkut's University of Technology Thonburi, Bangkok
• Bachelor of Engineering (Civil Engineering) with cGPA 3.64
(1st Place, 1st Class Honors)
• Internship: AP Thailand, Site Engineer
• Dissertation Title: An Application of 3D Laser Scanning for Building Layout

2019 - 2021
Asian Institute of Technology, Thailand
• Master of Engineering, Structural Engineering with cGPA 3.33
• Scholarships: HM the King's Scholarships
• Thesis Title: Large-Field Displacement Measurement System using Sampling
Moiré Camera



THESIS DISCRPTION

Thesis: Large-Field Displacement Measurement System using Sampling Moiré Camera
→ Develop the algorithm on Python to enable the ordinary digital camera to capture the movement of the structures (Ex. Bridges, Buildings).
→ Develop the wireless-based system (by MQTT Protocol (IoT)) for the Sampling Moiré Camera, so that the Cameras can communicate with engineers based on the internet cloud system.

AWARD & EXPERIENCE

- 1st Year Outstanding Academic Achievement, KMUTT, 2015
- 1st Class Honor, KMUTT, 2018
- 3rd Runner-Up, Engineering Student Talent Award 2018 from Indian Institute of Technology Alumni (Thailand), 2018
- 1 of 3 Thai Students got Fully Funded from Temasek, Singapore to Participate in Temasek Foundation International (STEP Aviation Forum 2019) at MIT - Singapore University of Technology, Singapore, 2019
- The King's Scholarship for Master's in field of Structural Engineering of School of Engineering and Technology at Asian Institute of Technology, 2019



KING MONGKUT'S UNIVERSITY OF TECHNOLOGY THONBURI

BANGKOK 10140, THAILAND

OFFICIAL TRANSCRIPT OF RECORDS

STUDENT ID NO. 58070500611

FACULTY OF ENGINEERING

NAME : MR.NUTCHAPAT THEETAWATWONG

FIELD OF STUDY : CIVIL ENGINEERING

DATE OF BIRTH : NOVEMBER 10, 1996

PREVIOUS CERT./DEGREE : GRADE 12 QUALIFICATION

MAJOR : -

DATE OF ADMISSION : JULY 22, 2015

DEGREE CONFERRED : BACHELOR OF ENGINEERING

DATE OF GRADUATION : JUNE 12, 2019

(CIVIL ENGINEERING)

COURSE NO.	COURSE TITLES	CREDITS/GRADES	COURSE NO.	COURSE TITLES	CREDITS/GRADES
FIRST SEMESTER (2015)					
CHM103	FUNDAMENTAL CHEMISTRY	3 B+	CVE382	HYDRAULIC ENGINEERING	3 A
CHM160	CHEMISTRY LABORATORY	1 B+		Total Credit	20
CVE100	COMPUTER PROGRAMMING FOR CIVIL ENGINEERING	3 B		GPA. 3.35	Cum.GPA. 3.56
GEN111	MAN AND ETHICS OF LIVING	3 B+	SPECIAL SEMESTER (2017)		
LNG102	TECHNICAL ENGLISH	3 A	CVE300	INDUSTRIAL TRAINING	2 S
MTH101	MATHEMATICS I	3 A		Total Credit	2
PHY103	GENERAL PHYSICS FOR ENGINEERING STUDENTS I	3 B+		GPA. -	Cum.GPA. 3.56
PHY191	GENERAL PHYSICS LABORATORY I	1 A	FIRST SEMESTER (2018)		
	Total Credit	20	CVE401	CIVIL ENGINEERING PROJECT PROPOSAL	1 A
	GPA. 3.60	Cum.GPA. 3.60	CVE414	CONSTRUCTION ESTIMATING AND SPECIFICATIONS	3 A
SECOND SEMESTER (2015)			CVE415	CONSTRUCTION MANAGEMENT	3 B+
CVE111	ENGINEERING DRAWING	3 A	CVE444	PRESTRESSED CONCRETE DESIGN	3 W
CVE131	ENGINEERING MECHANICS I	3 A	CVE448	FUNDAMENTAL OF FINITE ELEMENT METHOD	3 A
GEN101	PHYSICAL EDUCATION	1 B	GEN224	LIVEABLE CITY	3 A
LNG103	ENGLISH FOR WORKPLACE COMMUNICATION	3 A	LNG234	INTERCULTURAL COMMUNICATION	3 A
MTH102	MATHEMATICS II	3 A		Total Credit	16
PHY104	GENERAL PHYSICS FOR ENGINEERING STUDENTS II	3 B+		GPA. 3.90	Cum.GPA. 3.60
PHY192	GENERAL PHYSICS LABORATORY II	1 B	SECOND SEMESTER (2018)		
PRE151	ENGINEERING MATERIALS	3 B+	CVE402	CIVIL ENGINEERING PROJECT	3 A
	Total Credit	20	CVE403	SPECIAL TOPIC I : COMPUTER-AIDED ANALYSIS AND DESIGN OF STRUCTURES	3 A
	GPA. 3.75	Cum.GPA. 3.67	CVE404	SPECIAL TOPIC II : BUILDING INFORMATION MODELING FOR CIVIL ENGINEERING	3 A
FIRST SEMESTER (2016)			CVE411	MODERN CONSTRUCTION ENGINEERING AND TECHNOLOGY	3 A
CVE221	SURVEYING	3 C+	LNG241	ACADEMIC WRITING I	3 A
CVE223	SURVEYING PRACTICES	1 A		Total Credit	15
CVE232	ENGINEERING MECHANICS II	3 A		GPA. 4.00	Cum.GPA. 3.64
CVE233	MECHANICS OF MATERIALS	3 A	--- TRANSCRIPT CLOSED ---		
GEN121	LEARNING AND PROBLEM SOLVING SKILLS	3 B+	CREDITS PRESCRIBED	: 150	
LNG221	ORAL COMMUNICATION I	3 C+	CREDITS EARNED	: 150	
MTH201	MATHEMATICS III	3 A	GRADE POINT AVERAGE	: 3.64 (FIRST CLASS HONOURS)	
	Total Credit	19			
	GPA. 3.44	Cum.GPA. 3.60			
SECOND SEMESTER (2016)					
CVE224	SURVEYING PROJECT	1 A			
CVE225	SURVEYING FIELD CAMP	1 A			
CVE236	CIVIL ENGINEERING MATERIALS	2 B			
CVE237	STRUCTURAL ANALYSIS I	3 A			
CVE240	APPLIED MATHEMATICS FOR CIVIL ENGINEERS	3 A			
CVE261	ENGINEERING GEOLOGY	2 B			
CVE281	FLUID MECHANICS	3 A			
GEN231	MIRACLE OF THINKING	3 B+			
	Total Credit	18			
	GPA. 3.69	Cum.GPA. 3.62			
FIRST SEMESTER (2017)					
CVE335	CEMENT AND CONCRETE MATERIALS	3 B			
CVE338	STRUCTURAL ANALYSIS II	3 A			
CVE362	SOIL MECHANICS	3 A			
CVE363	SOIL MECHANICS LABORATORY	1 A			
CVE385	HYDROLOGY	3 B			
CVE394	HYDRAULICS LABORATORY	1 B			
GEN241	BEAUTY OF LIFE	3 A			
GEN351	MODERN MANAGEMENT AND LEADERSHIP	3 B+			
	Total Credit	20			
	GPA. 3.57	Cum.GPA. 3.61			
SECOND SEMESTER (2017)					
CVE311	ENGINEERING MANAGEMENT	3 B			
CVE341	STEEL AND TIMBER DESIGN	4 C+			
CVE342	REINFORCED CONCRETE DESIGN	4 B			
CVE364	FOUNDATION ENGINEERING	3 A			
CVE371	HIGHWAY ENGINEERING	3 A			



ASIAN INSTITUTE OF TECHNOLOGY

OFFICIAL TRANSCRIPT

Issue Date: 29 Jul 2021

Name: Mr. Nutchapat Theetawatwong			Previous Degree(s)/Institution: B Eng	Year Awarded: 2019
Date of Birth: 10 November 1996	Country: Thailand	King Mongkut's University of Technology Thonburi, Thailand		
Registration No.: 120776	Date Admitted to AIT: 02 August 2019	Option: Thesis	Degree Awarded: Master of Engineering	
School: School of Engineering and Technology	Date of Graduation / Completion: 29 July 2021			
Department: Department of Civil & Infrastructure Engineering	Academic Program: Structural Engineering			

Notes:

Course No.	Descriptive Course Title	Total Hours		Credits	Grade	GPA	Cumulative GPA	
		Lab	Lec.					
August Semester 2019								
CE72.11	Computer Methods of Structural Analysis	0	45	3.0	B			
CE72.21	Structural Dynamics	0	45	3.0	A			
CE72.41	Advanced Concrete Technology	0	45	3.0	B			
CE72.52	Advanced Concrete Structures	0	45	3.0	B			
						12	3.25	3.25
January Semester 2020								
CE72.12	Finite Element Methods in Engineering	0	45	3.0	B			
CE72.22	Wind and Earthquake Engineering	0	45	3.0	B+			
CE72.33	Structural Design of Tall Buildings	0	45	3.0	B			
CE72.51	Advanced Steel Structures	0	45	3.0	A			
						12	3.38	3.31
August Semester 2020								
CE60.992A	Special Study: Large-Field Displacement Measurement System Using Sampling Moiré Camera			2.0	B+			
						2	3.50	3.33
Coursework Credits Gained:						26.0	3.33	
Thesis Credits Gained:						22.0		
Total Number of Credits Gained:						48.0		
Thesis Examination:						Passed		

Title of Thesis: LARGE-FIELD DISPLACEMENT MEASUREMENT SYSTEM, USING SAMPLING MOIRÉ CAMERA	Grade: Excellent
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Program Committee: <ol style="list-style-type: none"> 1. Prof. Pennung Wamitchai (Chairperson) 2. Dr. Punched Thammarak (Co-chairperson) 3. Dr. Thanakorn Pheeraphan (Member) 4. Dr. Methee Chiewanichakorn (External Expert) 	Official transcript not valid without signature and seal of the Institute
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Dr. Kamonkanok Kiattisakchai
 Director, Office of Student Affairs

GRADING SYSTEM FOR GRADUATE PROGRAMS

Course Grade	Definition	Grade Points
A	Excellent. Thorough knowledge and mastery of concepts and/or techniques together with a high degree of skill and/or great originality in satisfying the requirements of a piece of work or course.	4.00
B+	Very Good. Thorough knowledge and mastery of concepts and/or techniques together with a fairly high degree of skill in the use of those concepts and techniques in satisfying the requirements of a piece of work or course.	3.50
B	Good. Good level of knowledge or mastery of concepts and/or techniques with a considerable skill in using them in satisfying the requirements of a piece of work or course.	3.00
C+	Near Competent. Level of knowledge or mastery of concepts and/or techniques requires more efforts to satisfy the requirements of a piece of work or course.	2.50
C	Deficient. Level of knowledge or mastery of concepts and/or techniques requires intensive efforts to satisfy the requirements of a piece of work or course.	2.00
D	Highly Deficient. Knowledge or mastery of concepts and/or techniques and understanding of the subject matter is unacceptably low.	1.00
F	Failing. Very poor with very limited knowledge or limited mastery and understanding of concepts and/or techniques; comprehension of the subject matter is very limited.	0
I	Incomplete. Course may be completed at a later time without prejudice.	-
Pass/Fail	A "passing" grade refers to any grade above "I" and a "failing" grade refers to grade equal to "I" or below.	

A thesis (22 credits), research study (10 - 12 credits) or project (6 credits) which is judged to be satisfactory, is accorded one of the following grades:

Grade	Definition
Excellent	An excellent grade marks an exceptionally skillful and innovative piece of research. The work clearly and explicitly has significance in the respective field on a national and international level. The knowledge of previous research and theoretical discussion is comprehensive, the concepts relevant and derived skillfully from prior discourse in the respective field. Due to scientific or practical merits, the work could be published as such or as an abridged version in a scientific or - in case of a project - practitioner's journal or a similar reviewed publication in the field.
Very Good	Overall, the work indicates the author's independent, critical and innovative research method, ability to analyze theoretically substantial bodies of knowledge and problems or the skill to implement solutions to significant practical assignments. The research goals, concepts and terminology and research problems are well-determined and skillfully combined into a theoretical framework. The research methodology is well chosen and argued, and the gathering and analysis of material has been done with insight.
Good	The work demonstrates, while not on a high level, the author's ability to accurately conduct research or - in case of a project - prepare solutions to practical problems. The topic and approach chosen may be conventional. The methodical choices have been accounted for, if only narrowly. Theories and research results related to the research subject have been discussed, but on the whole the approach may be mechanical, merely listing the relevant research bases. The language range used may be limited.
Fair	The research work is acceptable but there are shortcomings on several aspects. Research goal and the terminology used may be unclear. The scientific or practical background may be either too narrow or badly delimited. Analysis of the material may be incomplete and the presentation of the results not fully convincing.

Note: Internships are graded Excellent, Very Good, Good or Fair.

Grades received for all courses are used in the computation of cumulative averages, but only course grades of C or higher can be counted to satisfy the credit requirement.

A student must repeat a required course if the grade awarded was not considered satisfactory (grade "D" or "F"). A student may choose to repeat any course. When a course is repeated, only final grade is recorded on the final transcript, along with no. of attempts noted. Students who repeat courses are not eligible for awards based on CGPA. Students are charged for repeating courses at the standard rate per credit hour.

An audit course cannot be given grades or credit as the student is not required to take examinations, but may participate in class discussions at the discretion of the course instructor.

English is the language of all Institutes' academic and administrative communication.

AIT Degree requirements can be obtained by contacting registry@ait.ac.th.

Contact Address: Registry Unit, Office of Student Affairs (OSA), Asian Institute of Technology, P.O. Box 4, Klong Luang, Pathumthani 12120, Thailand
Tel: (66-2) 524-5034-36, 6322, 6325; E-mail: registry@ait.ac.th; Homepage: www.ait.ac.th



For verification, please check from URL: <https://certificates.ait.ac.th/76f84da2-da08-4d46-5743-24021a398f02>



Asian Institute of Technology

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Thailand

(For local calls,
dial 02 before the tel/fax nos.)
Tel : (66-2) 524-5034 - 36
Fax : (66-2) 524-6366
<http://www.ait.ac.th>

CERTIFICATION

TO WHOM IT MAY CONCERN:

This is to certify that **Mr. Nutchapat Theetawatwong**, a citizen of Thailand, was awarded the degree of Master of Engineering in Structural Engineering by the Asian Institute of Technology on 29 July 2021.

This further certifies that AIT, Southeast Asia's premier postgraduate institute of engineering and applied sciences, has students, staff and faculty coming from more than 40 countries. Given the wide range of cultural backgrounds, English is used as the medium of communication in all academic work and the official administrative language.

The Institute would be very grateful for any assistance extended to Mr. Nutchapat Theetawatwong.

Certification is Not Valid
Without the Institute's Dry Seal

Dr. Kamonkanok Kiatisakchai
Director, Office of Student Affairs

30 July 2021