



เลขที่ 9005

วิทยาลัยเทคโนโลยีอุตสาหกรรม
มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ

หนังสือรับรอง

หนังสือสำคัญฉบับนี้ให้ไว้เพื่อแสดงว่า

นายไตรรัตน์ สุขพงษ์

เลขประจำตัว 58-030516-2208-1 เกิดวันที่ 19 เดือน มีนาคม พ.ศ. 2540

ได้สำเร็จการศึกษาปริญญาวิศวกรรมศาสตรบัณฑิต สาขาวิชาเทคโนโลยีวิศวกรรมอิเล็กทรอนิกส์

หลักสูตร 4 ปี โดยได้รับอนุมัติผลการศึกษาจากสภามหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ

เมื่อวันที่ 14 พฤษภาคม 2562

ให้ไว้ ณ วันที่ 26 กรกฎาคม 2562

(รองศาสตราจารย์ ดร.สมิตร สังกพิริยะกิจ)

คณบดีวิทยาลัยเทคโนโลยีอุตสาหกรรม



ลายมือชื่อนักศึกษา



KING MONGKUT'S UNIVERSITY OF TECHNOLOGY NORTH BANGKOK
BANGKOK THAILAND
OFFICIAL TRANSCRIPT OF RECORDS
COLLEGE OF INDUSTRIAL TECHNOLOGY



RECORD NO 58-030516-2208-1
DATE OF BIRTH March 19, 1997
PREVIOUS EDUCATION Vocational Education Certificate in Electronics
DATE OF ADMISSION August 10, 2015
DEGREE CONFERRED Bachelor of Engineering (Electronics Engineering Technology)
FIELD OF SPECIALIZATION Telecommunication

NAME IN THAI นายไตรรัตน์ สุขพงษ์
NAME Mr. TRAIRAT SUKPONG
PLACE OF BIRTH BANGKOK METROPOLIS, THAILAND
DATE OF GRADUATION May 14, 2019

COURSE NO.	COURSE TITLES			CRD.	GRD.	COURSE NO.	COURSE TITLES			CRD.	GRD.
1 st SEMESTER 2015						1 st SEMESTER 2016					
030103300	ENGINEERING DRAWING			3	C+	030103100	ENGINEERING MATERIALS			3	C
030513300	COMPUTER PROGRAMMING			3	B+	030103102	ENGINEERING MECHANICS I			3	B+
040203111	ENGINEERING MATHEMATICS I			3	C	030513100	ENGINEERING ELECTRONICS			3	B
040313005	PHYSICS I			3	C	030513120	SIGNAL & SYSTEM			3	B
040313014	PHYSICS LABORATORY I			1	B+	030513200	ELECTRONICS LABORATORY			1	B
040503001	STATISTICS IN EVERYDAY LIFE			3	B+	030513220	ELECTRONICS PRACTICE I			2	A
080103001	ENGLISH I			3	C+	030513320	DIGITAL CCT & LOGIC DESIGN I			3	B
080303509	PETANQUE			1	A	040203211	ENGINEERING MATHEMATICS III			3	C+
SEM.	2.77	20	20	55.5		SEM.	2.95	21	21	62.0	
CUM.	2.77	20	20	55.5		CUM.	2.57	59	59	152.0	
	INDEX	ATTEMPTED	EARNED	POINTS			INDEX	ATTEMPTED	EARNED	POINTS	
2 nd SEMESTER 2015						2 nd SEMESTER 2016					
030413100	ELECTRIC CIRCUITS ANALYSIS I			3	C	030413145	ELECTROMAGNETIC FIELD			3	D+
040113001	CHEMISTRY FOR ENGINEERS			3	D	030513123	DATA COMMU & NETWORK			3	D+
040113002	CHEMISTRY LAB FOR ENGR			1	C+	030513124	APPLIED MATH FOR COMMU ENGR			3	B
040203112	ENGINEERING MATHEMATICS II			3	D+	030513125	PRINCIPLES OF COMMUNICATION			3	B+
040313007	PHYSICS II			3	C	030513221	ELECTRONICS PRACTICE II			2	A
040313015	PHYSICS LABORATORY II			1	B+	030513323	MICROPROCESSOR			3	B
080103002	ENGLISH II			3	C	080303401	KARAOKE			1	B
080303512	FIBA 33			1	B	080303601	HUMAN RELATIONS			3	B+
SEM.	1.91	18	18	34.5		SEM.	2.80	21	21	59.0	
CUM.	2.36	38	38	90.0		CUM.	2.63	80	80	211.0	
	INDEX	ATTEMPTED	EARNED	POINTS			INDEX	ATTEMPTED	EARNED	POINTS	

A CUMULATIVE GRADE POINT AVERAGE OF 2.00 IS REQUIRED FOR GRADUATION.

NOT VALID WITHOUT SEAL

ISSUED ON July 24, 2019

REGISTRAR

S. Sangob Kongka
 (Mr. SANGOB KONGKA)



KING MONGKUT'S UNIVERSITY OF TECHNOLOGY NORTH BANGKOK
BANGKOK THAILAND
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COLLEGE OF INDUSTRIAL TECHNOLOGY

RECORD NO 58-030516-2208-1 NAME Mr. TRAIRAT SUKPONG

COURSE NO.	COURSE TITLES	CRD.	GRD.	COURSE NO.	COURSE TITLES	CRD.	GRD.
1 st SEMESTER 2017				2 nd SEMESTER 2018			
030513140	COMMU NETWORK & TRANSM LINE	3	B	030513160	TELECOMMU ENGR TECH PROJECT	3	A
030513142	ANTENNA ENGINEERING	3	C+	030513166	WIRELESS COMMUNICATION	3	B+
030513143	DIGITAL COMMUNICATION	3	A	030513169	SATELLITE COMMUNICATION	3	A
030513164	RADIO WAVE PROPAGATION	3	B+	030513261	TELECOMMUNICATION SEMINAR	1	B+
030513240	TELECOMMUNICATION PRACT I	2	B+	040313016	PHYSICS IN DAILY LIFE	3	B
030513241	COMMUNICATION LABORATORY I	1	A	080103018	ENGLISH FOR WORK	3	C
030513343	COMPUTER NETWORK SYSTEM	3	C+	080303102	SOCIAL PSYCHOLOGY	3	B
080203904	LAW FOR EVERYDAY LIFE	3	B				
SEM.	3.16	21	21	SEM.	3.26	19	19
CUM.	2.74	101	101	CUM.	2.90	147	147
INDEX	ATTEMPTED	EARNED	POINTS	INDEX	ATTEMPTED	EARNED	POINTS
2 nd SEMESTER 2017				COURSE REQUIREMENTS COMPLETED			
030513150	MICROWAVE ENGINEERING	3	D+				
030513165	OPTICAL COMMUNICATION	3	A				
030513167	SELE TOP IN TELE ENGR TECH	3	B+				
030513168	MODERN COMMUNICATION	3	B+				
030513246	TELECOMMUNICATION PRACT II	2	B+				
030513247	COMMUNICATION LABORATORY II	1	B+				
080103016	ENGLISH CONVERSATION I	3	D+				
080203901	MAN AND SOCIETY	3	B+				
SEM.	3.00	21	21				
CUM.	2.79	122	122				
INDEX	ATTEMPTED	EARNED	POINTS				
1 st SEMESTER 2018							
030513260	CO-OPERATIVE EDUCATION	6	A				
SEM.	4.00	6	6				
CUM.	2.84	128	128				
INDEX	ATTEMPTED	EARNED	POINTS				

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REGISTRAR

G. Kongsak
(Mr. SANGOB KONGKA)

Grading System

I Prior to the academic year 1998

Certificate and Diploma Level

A	4.0	Excellent
A-	3.5	Very Good
B	3.0	Good
B-	2.5	Above Average
C	2.0	Average
C-	1.5	Below Average
D	1.0	Poor
F	0	Failure
Fa	0	Failed, Insufficient Attendance
Fe	0	Failed, Absent from Examination
Fw	0	Failed, Late Withdrawal
I	-	Incomplete
S	-	Satisfactory
U	-	Unsatisfactory
W	-	Withdrawal

Bachelor and Graduate Level

A	4.0	Excellent
B	3.0	Good
C	2.0	Average/Fair
D	1.0	Poor
F	0	Failure
Fa	0	Failed, Insufficient Attendance
Fe	0	Failed, Absent from Examination
Fw	0	Failed, Late Withdrawal
I	-	Incomplete
Ip	-	In-progress
S	-	Satisfactory
U	-	Unsatisfactory
W	-	Withdrawal
AUD	-	Audit

Honours for Bachelor's Degree

1st Class Honours

1. minimum CUM.GPA. of 3.50
2. no failing in any course

2nd Class Honours

1. minimum CUM.GPA. of 3.00
2. no failing in any course

II From the academic year 1998 - present

A	4.0	Excellent
B+	3.5	Very Good
B	3.0	Good
C+	2.5	Above Average
C	2.0	Average
D+	1.5	Below Average
D	1.0	Poor
F	0	Failure
Fa	0	Failed, Insufficient Attendance
Fe	0	Failed, Absent from Examination
Fw	0	Failed, Late Withdrawal
I	-	Incomplete
IP	-	In-progress
S	-	Satisfactory
U	-	Unsatisfactory
W	-	Withdrawal
AUD	-	Audit

Honours for Bachelor's Degree

1st Class Honours

1. minimum CUM.GPA. of 3.60
2. no failing or repeating any course

2nd Class Honours

1. minimum CUM.GPA. of 3.25
2. no failing or repeating any course

Certified true copy

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Approved by.....*A. Kotha*.....