

# NATIONAL UNIVERSITY OF SINGAPORE



**This is to certify that**

***AHMAD HATZIQ BIN MOHAMAD***

**having fulfilled the requirements prescribed  
by the University was conferred the degree of**

**BACHELOR OF ENGINEERING  
(INDUSTRIAL AND SYSTEMS ENGINEERING)  
WITH HONOURS (DISTINCTION)**

**on**

**30 June 2020**



*Muhammad Ali*  
Chair, Board of Trustees

*P. H. H.*  
President



# NATIONAL UNIVERSITY of SINGAPORE

## OFFICIAL TRANSCRIPT

NAME: AHMAD HATZIQ BIN MOHAMAD STUDENT NO.: A0155413M DATE OF BIRTH: 18/10/1995 DATE ISSUED: 30/06/2020

PROGRAMME: BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
PROGRAMME STATUS: COMPLETED PROGRAMME

### MODULE

### GRADE

### CREDITS

BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
CUMULATIVE AVERAGE POINT: 3.95

### MODULE GRADE CREDITS

#### ACADEMIC YEAR 2016/2017 SEMESTER 1

MODULE	GRADE	CREDITS
CS1010E PROGRAMMING METHODOLOGY	B+	4.00
ES1531 CRITICAL THINKING AND WRITING	B+	4.00
MA1505 MATHEMATICS I	B+	4.00
PC1431 PHYSICS IE	S	4.00
ST1131 INTRODUCTION TO STATISTICS	B+	4.00

BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
CUMULATIVE AVERAGE POINT: 4.00

#### ACADEMIC YEAR 2016/2017 SEMESTER 2

MODULE	GRADE	CREDITS
CS1020E DATA STRUCTURES AND ALGORITHMS I	S	4.00
GEH1036 LIVING WITH MATHEMATICS	S	4.00
GER1000 QUANTITATIVE REASONING	B+	4.00
IE2140 ENGINEERING ECONOMY	B+	4.00
MA1506 MATHEMATICS II	S	4.00
ST2131 PROBABILITY	B	4.00

BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
CUMULATIVE AVERAGE POINT: 3.93

#### ACADEMIC YEAR 2017/2018 SEMESTER 1

MODULE	GRADE	CREDITS
CFG1010 ROOTS AND WINGS - PERSONAL AND INTERPERSONAL EFFECTIVENESS 1.0	CS	2.00
ES2331 COMMUNICATING ENGINEERING	B+	4.00
GEQ1000 ASKING QUESTIONS	CS	4.00
GES1021 NATURAL HERITAGE OF SINGAPORE	B+	4.00
IE2101 INTRODUCTION TO SYSTEMS THINKING	A-	4.00
IE2110 OPERATIONS RESEARCH I	B	4.00

#### ACADEMIC YEAR 2017/2018 SEMESTER 2

MODULE	GRADE	CREDITS
CS2105 INTRODUCTION TO COMPUTER NETWORKS	B+	4.00
CS2107 INTRODUCTION TO INFORMATION SECURITY	B+	4.00
GET1004 CYBER SECURITY	B+	4.00
IE2100 PROBABILITY MODELS WITH APPLICATIONS	B+	4.00
IE2130 QUALITY ENGINEERING I	B	4.00
IE2150 HUMAN FACTORS ENGINEERING	A-	4.00

BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
CUMULATIVE AVERAGE POINT: 3.97

#### ACADEMIC YEAR 2018/2019 SEMESTER 1

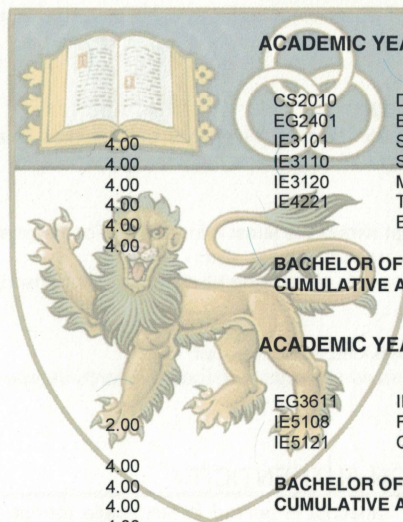
MODULE	GRADE	CREDITS
CS2010 DATA STRUCTURES AND ALGORITHMS II	A-	4.00
EG2401 ENGINEERING PROFESSIONALISM	A	3.00
IE3101 STATISTICS FOR ENGINEERING APPLICATIONS	A	4.00
IE3110 SIMULATION	A	5.00
IE3120 MANUFACTURING LOGISTICS	B	4.00
IE4221 TRANSPORTATION DEMAND MODELING AND ECONOMICS	B	4.00

BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
CUMULATIVE AVERAGE POINT: 4.09

#### ACADEMIC YEAR 2018/2019 SEMESTER 2

MODULE	GRADE	CREDITS
EG3611 INDUSTRIAL ATTACHMENT	IP	12.00
IE5108 FACILITY LAYOUT AND LOCATION	B	4.00
IE5121 QUALITY PLANNING AND MANAGEMENT	A	4.00

BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
CUMULATIVE AVERAGE POINT: 4.10







# NATIONAL UNIVERSITY of SINGAPORE

## OFFICIAL TRANSCRIPT

NAME: AHMAD HATZIQ BIN MOHAMAD STUDENT NO.: A0155413M DATE OF BIRTH: 18/10/1995 DATE ISSUED: 30/06/2020

MODULE	GRADE	CREDITS	MODULE	GRADE	CREDITS
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### ACADEMIC YEAR 2018/2019 SPECIAL TERM(PART 1)

EG3611 INDUSTRIAL ATTACHMENT

CS 12.00

BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
CUMULATIVE AVERAGE POINT: 4.10

BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
CUMULATIVE AVERAGE POINT: 4.03

### ACADEMIC YEAR 2018/2019 SPECIAL TERM(PART 2)

PARTICIPATED IN A SUMMER/WINTER PROGRAMME AT HANYANG UNIVERSITY

CREDITS TRANSFERRED FROM HANYANG UNIVERSITY

6.00

BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
CUMULATIVE AVERAGE POINT: 4.10

CONFERRED/AWARDED THE DEGREE(S)/DIPLOMA(S) OF:  
BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING) WITH  
HONOURS (DISTINCTION)

MINOR: COMPUTER SCIENCE

MINOR: STATISTICS

### REMARKS:

Please refer to the transcript of Hanyang University for details of modules taken and grades/credits obtained.

CONFIRMATION DATE: 30/06/2020

\*\*\*\*\*END OF TRANSCRIPT\*\*\*\*\*

### ACADEMIC YEAR 2019/2020 SEMESTER 1

CS2103 SOFTWARE ENGINEERING  
CS3244 MACHINE LEARNING  
IE3100M SYSTEM DESIGN PROJECT  
ST2132 MATHEMATICAL STATISTICS  
ST3131 REGRESSION ANALYSIS

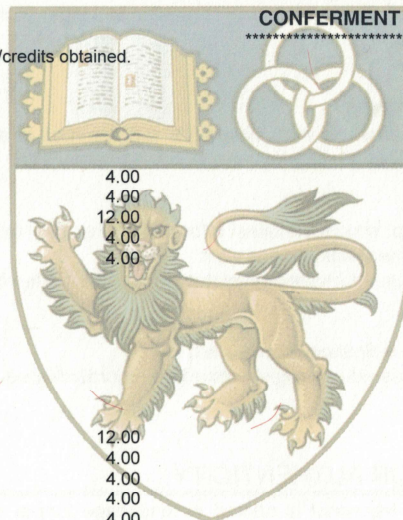
B+ 4.00  
B+ 4.00  
IP 12.00  
B 4.00  
B 4.00

BACHELOR OF ENGINEERING (INDUSTRIAL AND SYSTEMS ENGINEERING)  
CUMULATIVE AVERAGE POINT: 4.05

### ACADEMIC YEAR 2019/2020 SEMESTER 2

IE3100M SYSTEM DESIGN PROJECT  
IE4102 INDEPENDENT STUDY MODULE  
IE4210 OPERATIONS RESEARCH II  
IE4211 MODELLING & ANALYTICS  
ST3246 STATISTICAL MODELS FOR ACTUARIAL SCIENCE  
ST4234 BAYESIAN STATISTICS

S 12.00  
B+ 4.00  
B+ 4.00  
A- 4.00  
B 4.00  
B 4.00





## ACADEMIC TRANSCRIPT

ISSUANCE NO. : 0100009E20022400011

HANYANG UNIVERSITY

222 WANGSIMNI-RO, SEONGDONG-GU, SEOUL, 04763, KOREA

NAME : BIN MOHAMAD, AHMAD HATZIQ	SEX : MALE	DATE OF BIRTH : OCTOBER 18, 1995	STUDENT NO. : 9077520196
DATE OF ADMISSION : JULY 1, 2019		MAJOR : INTERNATIONAL SUMMER SCHOOL	
DEPARTMENT (DIVISION) : INTERNATIONAL SUMMER SCHOOL, FOREIGN EXCHANGE PROGRAM			

[illegible]

DATE ISSUED : FEBRUARY 24, 2020

**Choi Jin-Woo Ph.D.**  
**DEAN OF ACADEMIC AFFAIRS**

\* GR. STANDS FOR GRADE

A+(4.5), A0(4.0), B+(3.5), B0(3.0)  
C+(2.5), C0(2.0), D+(1.5), D0(1.0)  
P(Pass), F(Fail), W(Withdrawal), NA(Not Applicable)  
**THE LOWEST PASSING GRADE IS D0.**

\* CR. STANDS FOR CREDIT.

1 CR. INDICATES 16 CREDIT HOURS OF STUDY PER SEMESTER.

\* NOTE : THIS DOCUMENT IS NOT OFFICIAL UNLESS THE DEAN'S SIGNATURE IS AFFIXED.

Authenticity verification code : 4031220401017924203



## CERTIFICATE OF COMPLETION

This is to confirm that

*Ahmad Hatziq Bin Mohamad*

has successfully completed the

### **Digitalisation Passport Programme**

- **Innovation Bootcamp**
- **Data-Driven Decision Making**
- **Data Story Telling & Visualisation**
- **Digital Marketing**
- **The Future of Work In The Age of Digital Transformation**

**15 May – 12 June 2020**

A handwritten signature in black ink, reading "Khoong Chan Meng".

Khoong Chan Meng, CEO