

Ahmed Mohamed Mohamed Mahmoud Abdelrahman

📍 Villa 88, 7th District, 3rd Neighborhood, ElBostan St, Sheikh Zayed City, 41516 Giza, Egypt

✉ zetaahmed@gmail.com 📞 01098789051 📅 12 Jul 1999 🇪🇬 Egyptian 🛡 Exempted

Languages

Arabic

English

Education

Mar 2024 – present
Cairo, Egypt

Masters Degree in Mechatronics Engineering,
Arab Academy for Science Technology & Maritime Transport [↗](#)

Sep 2017 – Jul 2022
Cairo, Egypt

Bachelors in Mechatronics Engineering,
Arab Academy for Science Technology & Maritime Transport [↗](#)
summa cum laude—3.7+
Ranked first in the faculty, with honors title
Accredited member of the Association of Arab Universities, the International Association Universities and ABET

Sep 2015 – Aug 2016
Cairo, Egypt

IGCSE/A Level, *AlBashaer International School* [↗](#)

Sep 2011 – Jul 2015
Jeddah, Saudi Arabia

IGCSE/O Level & AS, *Thamer International School* [↗](#)

Professional Experience

Sep 2022 – Feb 2023
Heliopolis, Cairo, Egypt

Teaching Assistant, *AASTMT* [↗](#)

Projects

Line Follower and RC car

Electrical Design
Unit & Integration Testing

Robotic Leg

Mechanical Design & Assembly

Control System for Milk Production Line

Schematic Design for Circuit

CCRO Water Desalination Plant (Graduation Project - Grade A*)

Mechanical Design
Electrical Design
EIA

Stop-Watch

Developing a system that control the stop-watch time and display it on 7-segments.
Drivers: GPIO, Timer, External Interrupts and 7-Segment
Microcontroller: ATmega32.

Fan Speed Controller with Temperature

Developing a system that controls the speed of a fan depending on the temperature.
Drivers: GPIO, ADC, PWM, LM35 Sensor, LCD and DC-Motor
Microcontroller: ATmega32.

Distance Measuring System

Developing a system that measure the distance and display it on LCD.
Drivers: GPIO, ICU, Ultrasonic Sensor and LCD
Microcontroller: ATmega32.

Skills

Autodesk Inventor



Autodesk AutoCAD



C Language



MATLAB

Scripting & Simulink



Certificates

Ez steel

Maintenance Management

Mantrac

Maintenance Management

Standard Embedded Diploma



Certificate

The Arab Academy for Science, Technology
& Maritime Transport

Certifies that

AHMED MOHAMED MOHAMED MAHMOUD ABDELRAHMA

Date of Birth : 12/07/1999

Nationality : Egyptian

Has been awarded a Bachelor Degree in
Mechanical Engineering
Major : MECHATRONICS
College of Engineering & Technology
Cairo Branch - Egypt

In : July 2022

G.P.A. : 3.77 "Excellent With Honors"

This certificate has been issued upon the graduate's request to be presented to whom it may concern



Date : 03/08/2022

ARQMS 2/6



Scan QR code for
Certificate validation

No. 3308/22/EG

Reg : 17106231

Prof. Mohamed Essam Khedr



Dean of Admission & Registration Patent #5,636,874

TouchSafe®



MetallicSafe® Patent 5,704,651

VOID

VOID

VOID

VOID



الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري
Arab Academy for Science, Technology & Maritime Transport

Statement

The Arab Academy for Science, Technology
& Maritime Transport

Certifies that

AHMED MOHAMED MOHAMED MAHMOUD ABDELRAHMA

Date of Birth : **12/07/1999**

Nationality : **Egyptian**

Has been awarded a Bachelor Degree in

Mechanical Engineering

Major : MECHATRONICS

College of Engineering & Technology

In : **July 2022**

G.P.A. : **3.77 "Excellent With Honors"**

Rank according to G.P.A (First)

This Statement has been issued at upon the beholder's request to be presented to whom it may concern.



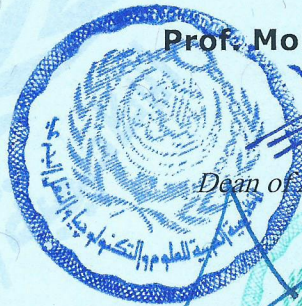
Date : 28/09/2022

ARQMS 2/6

No. 3308/22/EG

Prof. Mohamed Essam Khedr

Dean of Admission & Registration



الإسكندرية - المقر الرئيسي - Alexandria
P.O. Box 1029 - Miami

Miami Tel: (+203) 5565429/5481163 Fax: (+203) 5487786/5506042 - Abukir Tel: (+203) 5622366/5622388 Fax: (+203) 5610950

فرع بورسعيد
Port Said Branch

Sharq Al Tafrea Road - Port Food- Port Said
Tel: (+066) 3422302
Fax: (+066) 3400068

فرع جنوب الوادي
Ganoub Al Wadi Branch

Aswan-Sadat Road- P.O.Box 11 Aswan
Tel: (+2097) 2332845/ 2332843
Fax: (+2097) 2332842

القاهرة - فرع القرية الذكية
Cairo - Smart Village Branch

Building B2401
Tel: (+202) 35370882/35370883
Fax: (+202) 35370881

القاهرة - فرع الدقي
Cairo - Dokky Branch

23 Doctor Sobky st.
Tel: (+202) 37481593/33365491
Fax: (+202) 33365492

القاهرة - فرع مصر الجديدة
Cairo - Misr El Gedida Branch

P.O. Box 2033 - Elhorria
El Moshir: Ismail st.-behind-Sheraton Bldg.
Tel: (+202) 22685636/ 22685635
Fax: (+202) 22685892



Patent #5,636,874

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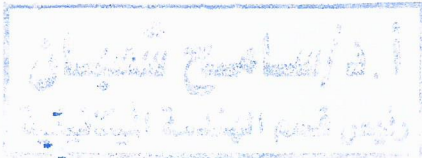
الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري
Arab Academy for Science, Technology & Maritime Transport

إفادة إلى من يهمه الأمر

نحيط سيادتكم علما بأن المهندس/ أحمد محمد محمد محمود عبدالرحمن تم الإستعانة بها كمساعد تدريس منتدب لبعض الوقت وذلك بقسم الهندسة الميكانيكية بالأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري فرع مصر الجديدة للفصل الدراسي الأول 2023/2022. هذا وقد أعطيت له هذه الإفادة بناء على طلبه دون أدنى مسئولية على الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري .

وتفضلوا بقبول فائق الاحترام والتقدير،،،

أ.د/ سامح محمود شعبان



رئيس قسم الهندسة الميكانيكية
فرع القاهرة

سوريا فرع اللاذقية
Syria - Latakia branch

P.O.Box 869 Latakia
Tel: (+96341) 210045
Fax: (+96341) 453977

فرع جنوب الوادي
Ganoub Al Wadi branch

Aswan-Sadat Road- P.O.Box 11 Aswan
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الأسكندرية - المقر الرئيسي
Alexandria - Main Campus

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OFFICIAL TRANSCRIPT

Registration No. : 17106231
Name : AHMED MOHAMED MOHAMED MAHMOUD ABDEL
Date of Birth : 12/07/1999
Sponsoring Auth. : Personal
Nationality : Egyptian
College : College of Engineering & Technology
Department : Mechanical Engineering
Major : MECHATRONICS

رقم التسجيل : 17106231
الاسم : احمد محمد محمد محمود عبدالرحمن
تاريخ الميلاد : 1999/07/12
جهة الايفاد : شخصي
الجنسية : مصري
الكلية : كلية الهندسة والتكنولوجيا
القسم : الهندسة الميكانيكية
التخصص : ميكاترونيات

Program : Mechanical Engineering

G.P.A.: 3.77

Course No.	Course Title	CR. ATT.	GR	PTS	CR. ACH.	GPA
FIRST SEMESTER / 2017-2018						
CC111	INTRO.TO COMPUTER	3.0	A+	12.0	3.0	
BA113	PHYSICS I	3.0	A	11.5	3.0	
BA118	CHEMISTRY	2.0	A	7.7	2.0	
BA123	MATHEMATICS I	3.0	A	11.5	3.0	
LH131	ESP I	2.0	A	7.7	2.0	
BA141	ENGINEERING MECHANICS I	3.0	A+	12.0	3.0	
IM111	INDUSTRIAL RELATIONS	2.0	A+	8.0	2.0	
		18.0		70.3	18.0	3.91
SECOND SEMESTER / 2017-2018						
CC112	STRUCTURED PROGRAMMING	3.0	A	11.5	3.0	
BA114	PHYSICS II	3.0	A-	11.0	3.0	
BA124	MATHEMATICS II	3.0	B+	10.0	3.0	
LH132	ESP II	2.0	A	7.7	2.0	
BA142	ENGINEERING MECHANICS II	3.0	A-	11.0	3.0	
ME151	ENGINEERING DRAWING & PROJECTION	2.0	A	7.7	2.0	
IM112	MANUFACTURING TECHNOLOGY	2.0	A-	7.3	2.0	
		36.0		136.5	36.0	3.79
FIRST SEMESTER / 2018-2019						
BA223	MATHEMATICS III	3.0	A+	12.0	3.0	
LH231	TECHNICAL REPORT WRITING	3.0	A	11.5	3.0	
ME232	THERMODYNAMICS I	3.0	B+	10.0	3.0	
EE238	ELECTRICAL ENG.FUNDAMENT	3.0	A+	12.0	3.0	
ME252	MECHANICAL ENG.DRAWING	3.0	A	11.5	3.0	
ME274	MATERIAL SCIENCE	3.0	A	11.5	3.0	
		54.0		205.0	54.0	3.8



The graduate has been awarded a Bachelor Degree in Mechanical Engineering

Patent #5,636,874

GRADING SYSTEM

G.P.A. SYSTEM

A+ 12/3 C+ 7/3 I Incomplete
A 11.5/3 C 6/3 W Withdrawn
A- 11/3 C- 5/3 U Ungraded
B+ 10/3 D+ 4/3 Tr Transferred
B 9/3 D 3/3 P Pass
B- 8/3 F (0) Fail Au Audit

Excellent 3.70 TILL 4.00
Very Good 3.30 LESS THAN 3.70
Good 2.70 LESS THAN 3.30
Pass 2.00 LESS THAN 2.70
Fail LESS THAN 2.00

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(P 1/4)
MPS 27/1



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SECOND SEMESTER / 2018-2019						
IM212	MANUFACTURING PROCESSES	3.0	A	11.5	3.0	
EE218	INSTRUMENTATION & MEASUREMENTS	3.0	A-	11.0	3.0	
BA224	MATHEMATICS IV	3.0	A+	12.0	3.0	
EE329	ELECTRICAL MACHINES	3.0	A	11.5	3.0	
ME333	THERMODYNAMICS II	3.0	B+	10.0	3.0	
ME276	STRESS ANALYSIS	3.0	A+	12.0	3.0	
		72.0		273.0	72.0	3.79
SUMMER SEMESTER / 2018-2019						
ME355	THEORY OF MACHINES	3.0	A+	12.0	3.0	
		75.0		285.0	75.0	3.8
FIRST SEMESTER / 2019-2020						
BA323	MATHEMATICS V	3.0	A	11.5	3.0	
ME356	MACHINE DESIGN I	3.0	B+	10.0	3.0	
CC413	Numerical Analysis	3.0	B+	10.0	3.0	
ME241	EXPERIMENTAL METHODS	3.0	A+	12.0	3.0	
ME385	Internal Combustion Engines	3.0	B+	10.0	3.0	
		90.0		338.5	90.0	3.76
SECOND SEMESTER / 2019-2020						
CC213	PROGRAMMING APPLICATIONS	0	P	0	3.0	
EC238	Electronics I	0	P	0	3.0	
ME357	MACHINE DESIGN II	3.0	B+	10.0	3.0	
CC442	DIGITAL DESIGN & INTRO. TO MICROPROCESS	3.0	A	11.5	3.0	
ME458	MECHANICAL VIBRATIONS	0	P	0	3.0	
ME362*	Fluid Mechanics I	3.0	A	11.5	3.0	
		99.0		371.5	108.0	3.75

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FIRST SEMESTER / 2020-2021						
EC339	ELECTRONICS II	3.0	A-	11.0	3.0	
ME431	HEAT TRANSFER	3.0	B	9.0	3.0	
ME591	MECHATRONICS	3.0	A+	12.0	3.0	
IM423	OPERATIONS RESEARCH	3.0	A	11.5	3.0	
EE417	Automatic Control Engineering	3.0	A+	12.0	3.0	
ME464*	Hydraulic & Pneumatic Systems	3.0	A	11.5	3.0	
		117.0		438.5	126.0	3.75
SECOND SEMESTER / 2020-2021						
EE419	MODERN CONTROL ENGINEERING	3.0	A+	12.0	3.0	
ME455	COMPUTER AIDED DESIGN	3.0	A+	12.0	3.0	
ME593	ELECTROMECHANICAL SYSTEMS	3.0	A-	11.0	3.0	
ME481	AUTOMOTIVE TECHNOLOGY	3.0	A+	12.0	3.0	
EC534	ANALOG & DIGITAL SIGNAL PROCESSING	3.0	A+	12.0	3.0	
EE416	MICROCONTROLLER APPLICATIONS	3.0	B+	10.0	3.0	
		135.0		507.5	144.0	3.76
FIRST SEMESTER / 2021-2022						
NE264	SCIENTIFIC THINKING	3.0	B+	10.0	3.0	
ME501	SENIOR PROJECT I	3.0	A	11.5	3.0	
ME524	RENEWABLE ENERGY RESOURCE	3.0	A+	12.0	3.0	
NE364	Engineering Economy	3.0	A-	11.0	3.0	
ME592	MECHATRONICS SYSTEMS	3.0	A+	12.0	3.0	
ME595	AUTOMATION OF MECHANICAL SYSTEMS	3.0	A	11.5	3.0	
IM400ME	Practical Training	0	P	0	0	
		153.0		575.5	162.0	3.76

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Patent #5,636,874

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<i>SECOND SEMESTER / 2021-2022</i>						
NE466	ENVIRONMENTAL SCIENCE & TECH.	3.0	A+	12.0	3.0	
ME503	SENIOR PROJECT II	6.0	A+	24.0	6.0	
ME594	ROBOTICS & APPLICATIONS	3.0	A+	12.0	3.0	
IM535	INTERNATIONAL OPERATIONS MANAGEMENT	3.0	A	11.5	3.0	
ME542	MAINTENANCE PLANNING	3.0	B	9.0	3.0	
		171.0		644.0	180.0	3.77

Date : 1/9/2022

Dean of Admission and Registration



(Signature)

The graduate has been awarded a Bachelor Degree in Mechanical Engineering

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G.P.A. SYSTEM

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Very Good	3.30	LESS THAN	3.70
Good	2.70	LESS THAN	3.30
Pass	2.00	LESS THAN	2.70
Fail		LESS THAN	2.00

(P 4/4)
MPS 27/1

INTERNSHIP PROGRAM CERTIFICATE OF COMPLETION

This Certificate is presented to

Ahmed Mohamed Mohamed

For your effective participation at
"ezzsteel Internship Program 2018"

Held From July 8th To July 19th

We appreciate your positive contribution and
wish you continuous progress and excellence

July 2018

DATE



A handwritten signature in blue ink, appearing to be 'Ahmed Mohamed Mohamed', written over a horizontal line.

SIGNATURE

Internship Certificate

This certificate is awarded to

Ahmed Mohamed Mohamed

We Mantrac the sole Caterpillar dealer in Egypt hereby certify that Mr. Ahmed has
Attended training period with
Mantrac Egypt in the Service Department
From 05-Aug-18 to 16-Aug-18.

Hussein Hassona

Workshop Manager



16-Aug-18

Awarded on

Hala Abou El Dahab

Human Resources





١٩٩٩/٠٧/١٢

٥٨٦١٦



وزارة الدفاع

هيئة التنظيم والإدارة ق-م
إدارة التجنيد والتعبئة
منطقة تجنيد..... للقاهرة

شهادة بالاعفاء النهائي
طبقاً للمادة السابعة البند أولاً فقرة
(أ) من القانون رقم ١٢٧/١٩٨٠
ويعمل بها كمسوغ للتعيين



G0636323

الاسم واللقب : احمد محمد محمد محمود عبدالرحمن					تاريخ الميلاد : ١٩٩٩/٠٧/١٢	
رقم البطاقة العسكرية (الثلاثي) جهة صدورها	الرقم القومي وجهة صدوره	كود القرار	رقم القرار	تاريخ القرار		
٢٢٧٢ ٧٨ ١٩٩٩	٢٩٩٠٧١٢٠١٠٢٠٧٣	٢	٩٠٤٦٧	٢٠٢٢/١١/١٦		
ق. المعادى		ق. المعادى				
القرار: إعفاء المذكور نهائياً من أداء الخدمة العسكرية والوطنية لعدم لياقته الطبية						



عن مدير منطقة التجنيد
التوقيع /
رتبة / اسم /

توقيع المراجع /
الاسم / احمد النجدي

توقيع مستخرج الشهادة :
رتبة / اسم / رقيب أول / احمد عاطف مهدي
تاريخ تحرير الشهادة ٢٠٢٢/١٢/٠١