

# شهادة

Registered with number 14554461

## كلية بنسلفانيا البريطانية الدولية تشهد بأن

اسامه محمد عمار عفيفي دويدار

بناء على توصية من مجلس الكلية إقراراً منها باستيفاءه المتطلبات المقررة

بكالوريوس في إدارة الأعمال

ومراعاة لكامل حقوق وامتيازات الشهادة تم وضع ختم كلية بنسلفانيا البريطانية  
الدولية في هذه الوثيقة

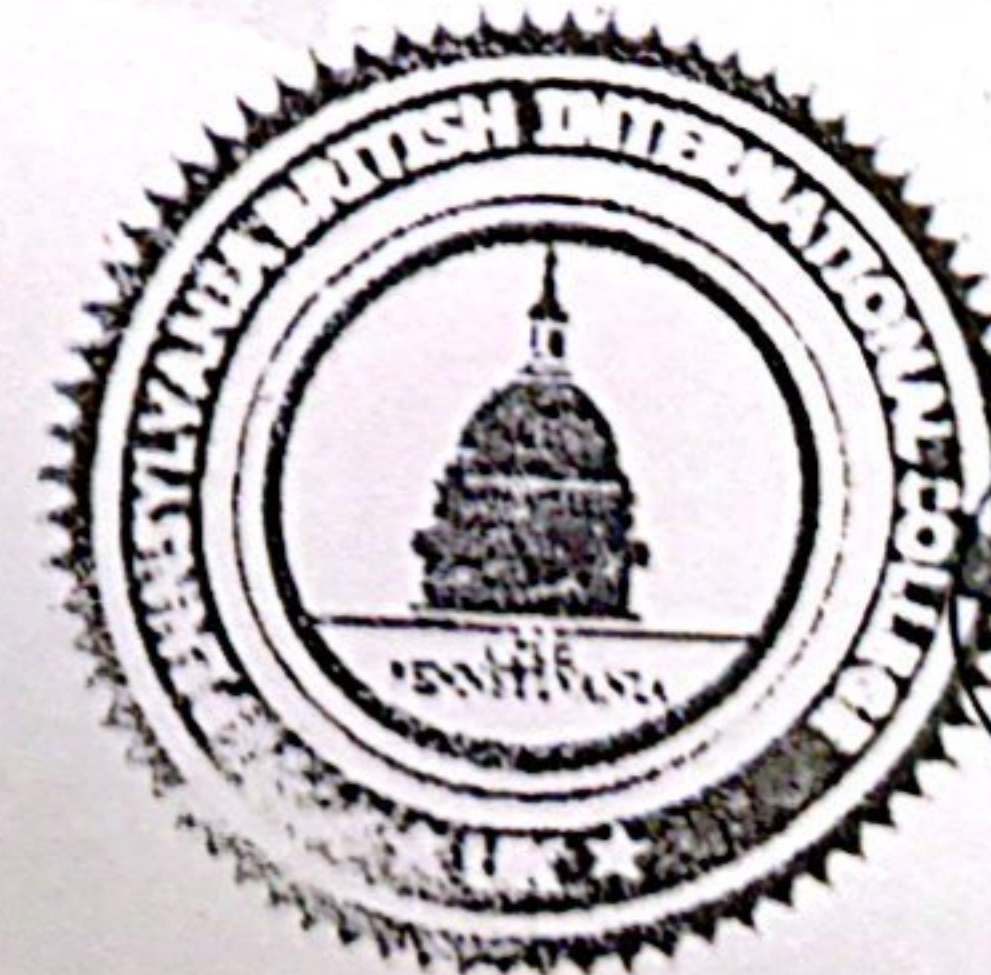
UKRLP 10097269

IQ ZB835594

رقم التسجيل : 1000754222130 -- التقدير - إمتياز

صدرت بتاريخ : 2022

وقد أُعطى هذه الشهادة بناء على طلبه لتقديمها الى المهتمين بها







# Pennsylvania British International College

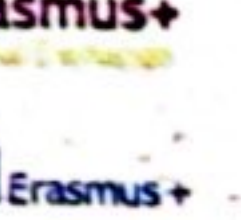
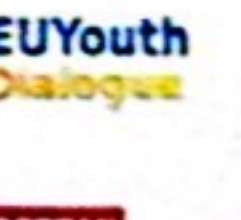
Name : Osama Mohammed Ammar Afefe Dewedar

Nationality: Egyptian

Student ID: 1000754222130

Graduation Date: 2022

Program: Bachelor of Business Administration



N	Subject	The Ratio Quality	Grade
1	Commercial law	3.50	B
2	The economics of money g Banking	4.05	A
3	Cost accounting	4.08	A+
4	Team building g human relations	3.50	B
5	International business Administration	4.07	A
6	State g national accounting	3.50	B
7	Legislation	4.05	A
8	Development of Economic Thinking	4.08	A+

uation Criteria for  
the Bachelor Programs

Study Duration = 2021 To 2022

Bachelor of Business Administration

OFFICIAL TRANSCRIPT

GPA = 85.3



Dean Office

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FILE COPY



We hereby certify that this is

a true copy of the Original

*[Signature]*

Family Defence Law Ltd

JAN 11 2024 - SOURICA - 16/11/25

Family Defence Law Ltd.

5 Malden Road  
Kentish Town

NW5 3HS

Tel: 020 3643 8237  
Fax: 020 7388 1160

## CERTIFICATE OF INCORPORATION OF A PRIVATE LIMITED COMPANY

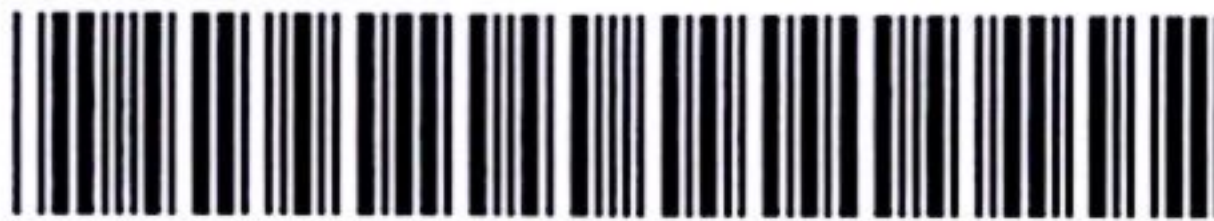
Company Number **14554461**

The Registrar of Companies for England and Wales, hereby certifies that

**PENNSYLVANIA BRITISH INTERNATIONAL COLLEGE LTD**

is this day incorporated under the Companies Act 2006 as a private company, that the company is limited by shares, and the situation of its registered office is in England and Wales

Given at Companies House, Cardiff, on **22nd December 2022**



\*N14554461H\*



Companies House



THE OFFICIAL SEAL OF THE  
REGISTRAR OF COMPANIES



The above information was communicated by electronic means and authenticated by the Registrar of Companies under section 1115 of the Companies Act 2006





<b>APOSTILLE</b> (Convention de La Haye du 5 octobre 1961)	
<b>1. Country:</b> Pays / Pais:	United Kingdom of Great Britain and Northern Ireland
<b>This public document</b> Le présent acte public / El presente documento público	
<b>2. Has been signed by</b> a été signé par ha sido firmado por	Sanjay Kohli
<b>3. Acting in the capacity of</b> agissant en qualité de quien actúa en calidad de	Solicitor
<b>4. Bears the seal / stamp of</b> est revêtu du sceau / timbre de y está revestido del sello / timbre de	Not Applicable
<b>Certified</b> Attesté / Certificado	
<b>5. at</b> à / en	London
<b>6. the</b> le / el día	20 January 2025
<b>7. by</b> par / por	His Majesty's Principal Secretary of State for Foreign, Commonwealth and Development Affairs
<b>8. Number</b> sous no / bajo el numero	APO-L6DS-XF61-SETG-22HB
<b>9. Seal / stamp</b> Sceau / timbre Sello / timbre	<b>10. Signature</b> Signature Firma A. Moyes

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Name : Osama Mohammed Ammar Afele Dewedar  
ID NO.27001240102691

Nationality: Egyptian  
ID Student: 1000754222130

Degree Program: Bachelor of Business Administration

Congratulations, it is a pleasure for Penn International College to accept you  
as a student in the Bachelor Administration

We would like to welcome you to Pennsylvania British International College

We thank you for choosing us to help you build your future

Discussion of a Bachelor thesis in Business Administration

## Business Administration Placement Exam

All Penn College International Program students are required to take  
a Business Administration proficiency test and the number of courses you will be required to  
take before or during regular academic study. Courses at Pennsylvania British International College  
Please see the competency standards in the field of communication, behavior modification,  
and communication. With regard to the field of Business Administration

Guidance

## Orientation

The Office of International Affairs will provide a new  
student orientation (date TBD) to educate you about Penn International College.

International Student Issues and Immigration Matters, Fall 2022, 2024

Classes begin in 2022

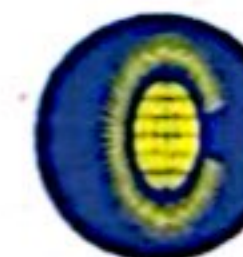
## Immigration Information

The International Affairs Office will provide you with all data and information  
about the subjects to be studied, through your e-mail

For questions, please contact

Dean Office

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# Certificate

## Bachelor of Business Administration

Certificate that Osama Mohammed Ammar Afele Dewedar

Registered in the Bachelor of Business Administration

Registration No.: 1000754226000 Under the su

pervision of Dr. Arthur Alexander

He accepted and submitted

a Bachelor degree at the end of his studies

Graduation project entitled "Innovation and Business Development

Strategies: A Case Study in a Specific Sector"

Accepted by:

Major Professor: Jon Edoar

Committee Member - Meshel Jon

Committee Member, Tsherl Couto,

External Reader Mariam Samon



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Dialogue

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Copyright By Osama Mohammed Ammar Afele Dewedar





Name : Osama Mohammed Ammar Afele Dewedar  
ID NO.27001240102691

Nationality: Egyptian  
ID Student: 10007542260013



Degree Program: Professional Doctorate in Business Administration

Congratulations, it is a pleasure for Penn International College to accept you  
as a student in Professional Doctorate in Business Administration

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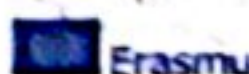
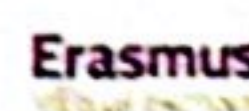
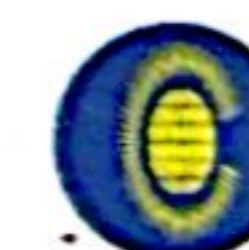
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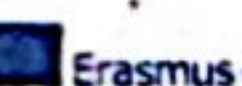
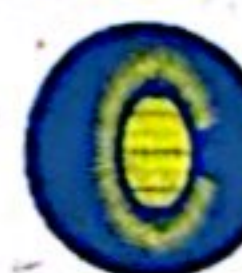


# The Research Presented

## Thesis Title

### ABSTRACT

This research explores the integration of neural networks and artificial intelligence (AI) in developing an advanced firewall system capable of predictive analysis and proactive mitigation of cyberattack risks. The focus is on adapting AI-driven models to identify potential threats, classify risks, and provide real-time solutions to enhance cybersecurity in Egypt. The proposed firewall is designed to operate in any environment within government or private institutions in Egypt. It can perform detailed analysis of the surrounding network and security environment, identify technical and security vulnerabilities, and automatically address them, mimicking the efficiency of a human operator. The system continuously enhances network security by providing accurate insights and corrective measures. This research primarily targets Egyptian security and government institutions, aiming to provide innovative solutions aligned with the local and global cybersecurity challenges. The proposed system is expected to improve the institutions' responsiveness to cyber threats and advance the nation's information security infrastructure.



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