



شهادة

كلية بنسلفانيا البريطانية الدولية

Registered with number 14554461

تشهد بأن

زينب عربي محمد صالح

بناء على توصية من مجلس الكلية إقراراً منها باستيفاءه المتطلبات المقررة

الماجستير المهني في إدارة الأعمال

ومراعاة لكامل حقوق وامتيازات الشهادة تم وضع ختم كلية بنسلفانيا البريطانية

الدولية في هذه الوثيقة

UKRLP 10097269

IQ ZB835594

التقدير - جيد جدا

رقم التسجيل : 123440

صدرت بتاريخ : 2025

وقد أعطيت هذه الشهادة بناء على طلبها لتقديمها الى المهتمين بها



Dean Office





Name : Zainab Arabi Muhammad Saleh
ID NO.28211130100186

Nationality: Egyptian
ID Student: 123440



Degree Program: Master of Business Administration

Congratulations, it is a pleasure for Penn International College to accept you as a student in the Business Administration Professional Master. 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 professional Master thesis in Business Administration

Business Administration Placement Exam

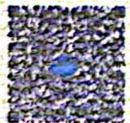
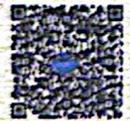
All Penn College International Program students are required to take a Business Administration proficiency test and the number of courses you will be required to take before or during regular academic study. Courses at Pennsylvania British International College Please see the competency standards in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





Certificate

Registered with number 14554461

Pennsylvania British international College

IT IS HEREBY CERTIFY THAT

Zainab Arabi Muhammad Saleh

Upon recommendation of the Pennsylvania British international College
and in recognition of fulfillment of the prescribed requirements
Professional Master in Business Administration

With all its right and Privileges in the witness whereof the seal of the Pennsylvania British international College hereunto affixed

Crt - Code : 123440

Grade : V-Good

UKRLP 10097269

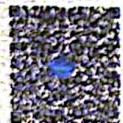
Srn : 4487461801210

IQ ZB835594

Issued on : 2025

This certificate has been given at his request to be submitted to those who are interested in it

Dean Office





The Research Presented Thesis Title

Title: The Role of Supply Chain Management in Improving Operational Performance and Achieving Competitive Advantage for Organizations

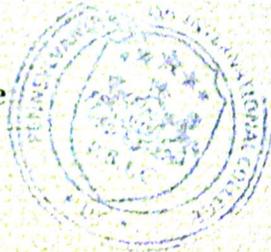
1. Adopt integrated supply chain management strategies that link suppliers, manufacturers, and distributors in a single system.
2. Develop digital infrastructure by implementing systems such as ERP and WMS to accelerate response and improve transparency.
3. Train and qualify human resources working in the supply chain field on the latest concepts and methodologies.
4. Adopt an environmental and social sustainability approach within the supply chain to increase trust and credibility in the market.
5. Design clear and measurable operational performance indicators to monitor improvements and identify weaknesses.

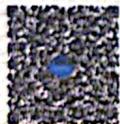
Third: Future Research Areas

- Study the impact of resilient supply chains in facing crises and emergencies such as pandemics or economic conflicts.
- Analyze the relationship between smart inventory management and achieving customer satisfaction in the service sectors.
- Develop integrated digital models that directly link operational and financial performance.
- Evaluate the impact of applying artificial intelligence and machine learning on improving the accuracy of forecasts within supply chains.
- Conduct a comparative study of supply chain performance in the industrial and service sectors in Arab countries.

General Conclusion This research has shown that supply chain management is no longer an administrative luxury, but has become the cornerstone of any organization seeking to improve its operational performance and build a genuine competitive advantage. Therefore, organizations that improve their practices in this area are able to survive and grow in a rapidly changing and highly competitive market. The researcher hopes that this work will contribute to enriching scientific and applied knowledge in the field of business management and pave the way for deeper studies in

Dean Office





Certificate

We hereby certify that the Master's degree.
after completing his professional studies,
It is an unfiled professional program.

Certified in the UK

Which measures the required skills
For postgraduate studies

College reference number I have the British government.
number 14554461

Nature of business (SIC)

85320 - Technical and vocational secondary education

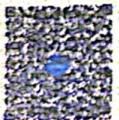
85421 - First-degree level higher education

85422 - Post-graduate level higher education

85600 - Educational support services

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Certificate Graduation letter

To whom it May concern

Based on the approval of Pennsylvania British international College
and the approval of the college president in
accordance with the powers delegated to him by
the Council in accordance with Resolution No. (425)

We acknowledge granting
the student **Zainab Arabi Muhammad Saleh**
Master of Business Administration with a grade of distinction with honors,
with the approval of the research that
was submitted by the student in

Title: **The Role of Supply Chain Management in Improving Operational
Performance and Achieving Competitive Advantage for Organizations**

Crt - Code : 123440

Srn 4487461801210





Pennsylvania British International College

Name :Zainab Arabi Muhammad Saleh

Nationality: Egyptian

Student ID: 123440

Graduation Date: 2025

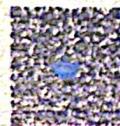
Program: Master of Business Administration



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N	Subject	The Ratio Quality	Grade
1	Flying Planning	3.50	B
2	Human Resources Management	4.05	A
3	Financial Management	4.08	A+
4	Administrative Accounting	3.50	B
5	Marketing Management	4.07	A
6	Operations Management	3.50	B
7	International Business Management	4.05	A
8	Financial Accounting	4.08	A+

Evaluation Criteria for the Master's Programs
Study Duration = 2024 To 2025

Master of Business Administration
OFFICIAL TRANSCRIPT
GPA = 85.3

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Certificate

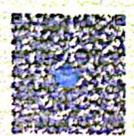
Master of Business Administration

Certificate that Zainab Arabi Muhammad Saleh
Registered in the Master of Business Administration
Registration No.: 123440 Under the su
pervision of Dr. Arthur Alexander
He accepted and submitted
a master's degree at the end of his studies
Graduation project entitled

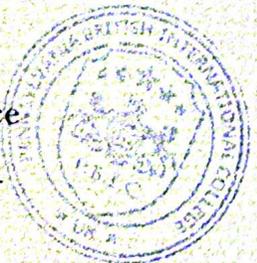
**Title: The Role of Supply Chain Management in Improving Operational
Performance and Achleving Competitive Advantage for Organizations**

Accepted by:

Major Professor: Jon Edoar
Committee Member - Meshel Jon
Committee Member, Tsherl Couto,
External Reader Mariam Samon



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