



HONOURS DEGREE

The President and the Board of Governors
grant this award to

Sami Ahmad Hasanain

in recognition of successful completion of the
requirements of this co-operative education program

***Honours Bachelor of Environmental Design
and Planning***

We have inscribed our names and affixed the seal of
Fanshawe College of Applied Arts and Technology dated
this day in London, Ontario, Canada

PRESIDENT

CHAIR, BOARD OF GOVERNORS

REGISTRAR

2022 08 19

DATE





World Education Services

CREDENTIAL EVALUATION AND AUTHENTICATION REPORT

Name: HASANAIN (HASSANIN), Sami Ahmed Hasan
Date of Birth: March 18, 1971

Date : September 15, 2015
Ref #: 2856829/tg
Page: 1 of 4

CANADIAN EQUIVALENCY SUMMARY

Bachelor's degree (four years)

CREDENTIAL ANALYSIS

- | | |
|-----------------------------------|-------------------------------------------------------------------|
| Credential Authentication: | <i>Official transcripts were sent directly by the institution</i> |
| Country: | Jordan |
| Credential: | Bachelor of Science |
| Year: | 1996 |
| Awarded by: | University of Jordan |
| Institution Status: | Recognized |
| Admission requirements: | General Secondary Education Certificate |
| Length of program: | Five years |
| Major/Specialization: | Plant Production |
| Canadian Equivalency: | Bachelor's degree (four years) |



INSTRUCTIONS FOR USING THIS REPORT: An explanation of the terms used in this report can be found on the reverse side. This report is valid only when printed on watermarked paper and sealed with an official WES stamp on each page.

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جامعة الأمير محمد بن فهد
PRINCE MOHAMMAD BIN FAHD UNIVERSITY

08-Feb-17

CERTIFICATE OF SERVICE

شهادة خدمة

This is to certify that

Name: Sami Ahmad Hassanin

Nationality: Jordanian

was a full time employee of this University

From: 3/1/2016

To: 11/19/2016

Job Title: **Manager, New Projects & Maintenance and Operation**

This certificate has been issued upon the employee's request without any responsibility on the part of this University

بهذا نتشهد بأن

الاسم: سامي احمد حسن

الجنسية: اردني

عمل لدى الجامعة وذلك في الفترة:

من: 3/1/2016

الى: 11/19/2016

وذلك بوظيفة: مدير الصايه والمشاريع الحديده

و أصدرت هذه الشهادة بناء على طلبه. دون ادنى مسؤولية اتجاه الجامعة.

مدير اداره الموارد البشرية
Director, Human Resources

عبدالله عبدالرحمن الهفص

Abdullah Abdulrahman Al Hakkas

الهيئة التجارية الصناعية المنطقة الشرقية
المملكة العربية السعودية - الرياض



التصاريح:

التاريخ:

رقم الصادر:



جامعة الأمير محمد بن فهد

PRINCE MOHAMMAD BIN FAHD UNIVERSITY

12-Feb-17

CERTIFICATE OF SERVICE

شهادة خدمة

This is to certify that

Name: Sami Ahmad Hasanain

Nationality: Jordanian

was a full time employee of this University

From: 7/30/2011

To: 2/29/2016

Job Title: **Manager, New Projects & Landscape and Irrigation**

This certificate has been issued upon the employee's request without any responsibility on the part of this University

بهذا نتعهد بأن

الاسم: سامي احمد حسني

الجنسية: اردني

عمل لدى الجامعة وذلك في الفترة:

من: 7/30/2011

الى: 2/29/2016

وذلك بوظيفة: مدير خدمات المسحور والري والمسارح الحديده

و أصدرت هذه الشهادة بناءً على طلبه. دون أدنى مسؤولية اتجاه الجامعة.

مدير ادارة الموارد البشرية
Director, Human Resources

عبدالله عبدالرحمن الهفص
Abdullah Abdulrahman Al Hakkas

هذه الشهادة الصادرة عن الجامعة
موجهة لخدمة الموظف المذكور في
البيان التالي: (الاسم، الجنسية، تاريخ
التعيين، تاريخ انتهاء الخدمة)
تاريخ الإصدار: 12/02/2017
رقم الشهادة: 159112570

Sami A Hasanain



P.O. Box 1664 Al Khobar 31952
Kingdom of Saudi Arabia
Tel. = 966 13 498 4569
Fax = 966 13 498 4548

رقم الصادر: التاريخ:

www.pmf.edu.sa

Sami A. Hasanain

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Certificate of Service

شهادة خدمة

This is to certify that

Name: SAMI AHMAD HASANAIN

Nationality: JORDAN

Was a full employee of this company

From: 15/05/2007

To: 25/06/2011

Job Title: Landscape Services and Irrigation

Department Manager

This Certificate has been issued upon the employee's request without any responsibility on the part of Narena Trading & General Contracting Co.

بهذا نشهد بان

الاسم: سامي أحمد حسن حستين

الجنسية: الأردنية

عمل لدى الشركة

من تاريخ: 2007/05/15

الى تاريخ: 2011/06/25

وذلك بوظيفة: مدير ادارة خدمات التشجير والري (ناريننا)

للمسطحات الخضراء)

وأصدرت هذه الشهادة بناء على طلبه دون أدنى مسؤولية تجارة

شركة ناريننا للتجارة والمقاولات العامة.

المدير العام

General Manager





KINGDOM OF SAUDI ARABIA
MINISTRY OF DEFENCE & AVIATION
PRESIDENCY OF CIVIL AVIATION

Ref. No. KFIA-1-528-SV-0107
15, Sha'ban 1524H
Date (11 October 2003G)
End

KING FAHD INTERNATIONAL AIRPORT

Sadeem Agricultural Co. Ltd.
P. O. Box 10614, Riyadh 11443
Saudi Arabia

السادة/ شركة سديم الزراعية المحدودة
ص.ب. ١٠٦١٤، الرياض ١١٤٤٣
المملكة العربية السعودية

Attn: Engr. Salah M. Younis
Contractor Designated Representative

عناية: المهندس/ صلاح الدين يونس
ممثل المقاول المفوض

Subj.: King Fahd International Airport
Contract No. (E-01-528-SV-0)
Landscaping Services
Candidates Resumes

لموضوع: مطار الملك فهد الدولي
عقد رقم (E-01-528-SV-0)
عقد خدمات التشجير
السيرة الذاتية للمرشحين

Refs.: Your letter No. KFIA-SV-528/Sadeem/353 dated
23 Rajab 1424H (20 September 2003G)

الإشارة: خطابكم رقم KFIA-SV-528/Sadeem/353 وتاريخ
١٤٢٤/٧/٢٢ هـ - (٢٠٠٣/٩/٢٠ م)

Gentlemen:

السلام عليكم ورحمة الله وبركاته:

The resume along with the above referenced letter was reviewed, the outcome of the review is as follows:

نفديكم بإكمال عملية تقييم السيرة الذاتية المقدمة رفق
خطابكم المشار إليه أعلاه، وفيما يلي نتيجة التقييم:

Sami Ahmed Hassanin Chief, Landscape Approved

مقبول سلفي أحمد حسنين رئيس خدمات التشجير

Sadeem is directed to submit resume for the position
of Pesticide Chief, which is vacated by Engr. Sami A.
Hassanin.

وعلى شركة سديم تقديم سيرة ذاتية لشغل وظيفة رئيس
مبيدات الآفات التي أصبحت شاغرة بانتقال م/ سامي أحمد
حسنين.

Very truly yours,

وتقبلوا تحياتي.

مدير عام مطار الملك فهد الدولي
Director General, KFIA

المهندس/ مازن بن أبو الهدي الخاشقجي
Engr. Mazen A. Al-Khashoggi

Sami A. Hassanain

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KINGDOM OF SAUDI ARABIA
MINISTRY OF DEFENCE & AVIATION
PRESIDENCY OF CIVIL AVIATION

Ref. No. KFIA-L-528-SV-0015
26 Dhul-Hijjah 1422H
Date (10 March 2002G)
Encl. _____

KING FAHD INTERNATIONAL AIRPORT

Sadeem Agricultural Co. Ltd.
P. O. Box 10614, Riyadh 11443
Saudi Arabia

المادة/ شركة سديم الزراعية المحدودة
ص.ب ١٠٦١٤، الرياض ١١٤٤٣
المملكة العربية السعودية

Attn: Engr. Salah M. Younis
Contractor Designated Representative
Subj: King Fahd International Airport
Contract No. (E-01-528-SV-0)
Landscaping Services
Candidates Resumes

عناية: المهندس/ صلاح الدين يونس
ممثل المقاول المفوض
موضوع: مطار الملك فهد الدولي
عقد رقم (E-01-528-SV-0)
عقد خدمات التشجير
السيرة الذاتية للمرشحين

Refs.: Your letter No. KFIA-SV-528/Sadeem/016 dated
26 D. Qa'dah 1422H (09 Feb. 2002G)

الإشارة: خطابكم رقم KFIA-SV-528/Sadeem/016
تاريخ ٢٦ ذوالقعدة ١٤٢٢هـ (٩ فبراير ٢٠٠٢م)

Gentlemen:

السلام عليكم ورحمة الله وبركاته:

The resume submitted with the above mentioned
letter were reviewed, the outcome of the review is as
follows:

نفيدكم باكتمال عملية تقييم السيرة الذاتية المقدمة رقم
خطابكم المشار إليها أعلاه، وفيما يلي نتيجة التقييم:

Sami Ahmad Hassanain Chief, Pesticides **Approved** مقبول

م. سامي أحمد حسانين ، رئيس، مبيدات الآفات ، مقبول

Sadeem is directed to submit remaining resumes for
the positions for which it has not submitted the
resumes.

وعلى شركة سديم تقديم ما تبقى من السير الذاتية الخاصة
بالوظائف التي لم تقدم بشأنها سير ذاتية.

وتقبلوا تحياتي.

Very truly yours,

مدير عام مطار الملك فهد الدولي
Director General, KFIA

المهندس/ مازن بن أبو الهدى الخاشقجي
Engr. Mazen A. Al-Khashoggi

Sami A. Hassanain

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Arab Supply & Trading Corp.
Astra



المؤسسة العربية للتأمين والتجارة
استرا

NO.:
Date: 24 / 7 / 1423
11 / 10 / 2001

الرقم:
التاريخ: ٤٤ / ٧ / ١٤٢٣
11 / 10 / 2001

SERVICE CERTIFICATE

شهادة خدمة

Name: Sami A. H. Hasamein الاسم: سامي أحمد حسن

Nationality: Jordanian الجنسية: أردنية

Arab Supply & Trading Corporation (ASTRA), Tabuk, certifies that the above mentioned was working with us as: -
شهادة المؤسسة العربية للتأمين والتجارة (استرا) -
تبوك، بأن المذكور أعلاه قد عمل لدينا بوظيفة:

Agricultural Engineer مهندس زراعي

From: 19/6/1999 to 21/12/1999 1999 للفترة من: 19/6/1999 إلى: 21/12/1999

His basic monthly salary was (SR.) ريال () وكان راتبه الشهري الأساسي:

This service certificate issued according to article No. 86 of the Saudi labor law, وقد تم إصدار شهادة الخدمة هذه طبقاً للمادة ٨٦ من نظام العمل والتعامل بالمملكة العربية السعودية.

المؤسسة العربية للتأمين والتجارة
Arab Supply & Trading Corporation



Sami A. Hasamein

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Arab Supply & Trading Corp.

Astra



المؤسسة العربية للتأمين والتجارة

أسترا

NO.:

Date: 24 / 7 / 1423
11 / 10 / 2001

الرقم:

التاريخ: ١٤٢٣ / ٧ / ٢٤
٢٠٠١ / ١٠ / ١١

SERVICE CERTIFICATE

شهادة خدمة

Name: Sami A.H. Hasanein

الاسم: سامي أحمد حسن

Nationality: Jordanian

الجنسية: أردنية

Arab Supply & Trading Corporation (ASTRA), Tabuk, certifies that the above mentioned was working with us as:

تشهد المؤسسة العربية للتأمين والتجارة (أسترا) - تبوك، بأن المذكور أعلاه قد عمل لدينا بوظيفة:

Agricultural Engineer

مهندس زراعي

From: 11 / 2 / 2000 to 23 / 9 / 2001

للفترة من: ١١ / ٢ / ٢٠٠٠ إلى ٢٣ / ٩ / ٢٠٠١

His basic monthly salary was (S/) ريال () وكان راتبه الشهري الأساسي:

This service certificate issued according to article No. 86 of the Saudi labor law.

وقد تم إصدار شهادة الخدمة هذه طبقاً للمادة ٨٦ من نظام العمل والعمال بالمملكة العربية السعودية.

المؤسسة العربية للتأمين والتجارة

Arab Supply & Trading Corporation



Signature: Sami A. Hasanein

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Prince Mohammad Bin Fahd University, Saudi Arabia



RAIN BIRD INTERNATIONAL SERVICE ENGINEER

Amr Hussein

LANDSCAPE AND IRRIGATION SERVICES DEPARTMENT

Engr. Sami A. Hassanin

RAIN BIRD PRODUCTS:

- Maxicom2® Central Control
- Maxicom2® Cluster Control Unit
- ESP-SAT 12, 24, 36, 48 Station Controllers
- Site-SAT 12, 24, 36, 48 Station Controllers
- Flow Sensors
- Weather Station
- Disc Filters

“Maxicom has allowed us to efficiently manage the irrigation system and safeguard the operation of our pumps.”

— Engr. Sami A. Hassanin

Head, Landscape & Irrigation Services Department
Engineering & Technical Affairs
Prince Mohammad Bin Fahd University

PROJECT OVERVIEW:

Prince Mohammad Bin Fahd University (PMU) is located on the eastern coast of Saudi Arabia next to Half Moon Bay and the Arab Gulf. Water for irrigation is either supplied by the city or drawn from underground wells and stored in tanks. The landscape department recently upgraded their central control system to Maxicom2® Central Control so they could automatically control which booster pump is used based on water tank levels.

CHALLENGE:

The irrigation system at PMU is connected to three booster pumps. Which booster pump is used varies based on the available water supply. The first two pumps are each connected to a storage tank; one tank for ordinary water and one tank for treated water. The third pump draws water directly from the well to fill either of the tanks or to supply water directly to the irrigation system when both tanks are at low fill levels. To protect each of the tank pumps from running when the water level was low which could damage the booster pumps, the landscape department would monitor tank fill levels daily and manually switch which pump was used to complete the irrigation schedule.

RESULTS:

“Using Maxicom’s ‘if-then’ programming logic, I was able to create irrigation schedules that helped the operations team automatically control which pump was used based on tank fill levels,” said Amr Hussien, Rain Bird International’s service engineer. The Maxicom ‘if-then’ logic ensures the ESP-SAT Controllers connected to the pumps and tank float switches check tank water levels first before using water from either of the tanks.

During the irrigation cycle, if the tank water level falls below the low fill level, Maxicom interrupts the schedule and uses water from the other tank or well to complete the irrigation cycle. If neither tank has adequate water levels, Maxicom uses the well pump to get water directly from the well. Maxicom is also used to turn the well pump on to fill the tank if the water level is below the low fill level, and switch the pump off after the tank is full.

Using Maxicom to automatically control which pump is used for irrigation, and to maintain adequate storage tank fill levels has helped the University manage the irrigation system more efficiently, and helped protect the pumps from damage.



This is to Certify that

Sami Ahmad Hasan Hasanain

has completed the requirements of the Rain Bird Factory Trained Program and has received the designation of:

Maxicom Operator

A handwritten signature in black ink, appearing to read "T. Hornbacher".

Designation Expiration 7/24/2016

Thomas P. Hornbacher Manager, Training Services, Rain Bird Services Corporation

Student ID 950344

Sami A. Hasanain

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This is to Certify that

Sami Ahmad Hasan Hasanain

has completed the requirements of the Rain Bird Factory Trained Program and has received the designation of:

Maxicom Technician

Sami A. Hasanain

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Handwritten signature of Thomas P. Hornbacher in black ink.

on Expiration 7/22/2016

Thomas P. Hornbacher Manager, Training Services, Rain Bird Services Corporation

Student ID 950344

