

# ASAF ALI KHAN

QC Mechanical Inspector

+966 530543628 @ saifalimk786@gmail.com <https://linkedin.com/in/asaf-khan-1412541a0>





Riyadh, Saudi Arabia, 12271 Iqama # | status : 26049222333 | Transferrable



## SUMMARY

As a dynamic and inquisitive mechanical engineer, I am dedicated to applying my strong leadership, analytical, and communication skills to contribute to innovative solutions. With a solid foundation in mathematics, logic, problem-solving, and research, I am committed to driving projects that push the boundaries of technology and efficiency. Proficient in modern mechanical instruments and tools, I am eager to tackle new challenges and excel in a collaborative engineering environment.

## EXPERIENCE

-  **Al-Mashreq Contracting, Dammam** 2023 - 2025  
Junior Mechanical Engineer
-  **Bechtel Corporation, Riyadh Metro Expansion Phase II** 2022 - 2023  
Technical Support Role
-  **Managing Director** 2022  
Al-Asr School system
-  **Internee** 2021  
Malakand III Hydro Power House (Pakhtunkhwa Energy Development Organization)  
Energy Development Organization



## EXPERIENCE

03/2021 - Present

### KEY ACHIVEMENTS

- Project Execution:**  
Assisted in mechanical installation and maintenance of wastewater treatment plant and hydroelectric powerhouse. Supported design and installation of petrochemical pipeline network, solar-powered desalination unit and the Riyadh Metro project.
- Design and Analysis:**  
Applied CFD analysis to improve industrial pump system efficiency and reduce costs. Collaborated on design (AutoCAD) and installation of a pipeline network, ensuring compliance with engineering guidelines.
- Safety and Compliance:**  
Prioritized equipment safety and compliance with industry standards in operation and maintenance of metro projects and hydroelectric equipment. Ensured workplace safety and compliance with standards and protocols.
- Leadership and Management:**  
Demonstrated leadership skills as a Managing Director at school, overseeing strategic planning, financial management, HR leadership, and academic quality control.
- Sustainability and Renewable Energy:**  
Gained insights into renewable energy and sustainability initiatives.
- Technical Skills:**  
Developed skills in predictive maintenance, equipment operation, AutoCAD design and CFD analysis.
- Communication and Reporting:**  
Prepared reports and documented site activities.

## EDUCATION

- BSc. Mechanical Engineering.**  
**CECOS University of IT And Emerging Sciences**  

  - Proficient in CAD (solidworks), Finite Element Analysis (ANSYS), MATLAB (programming) and MS office .
  - Hands-on experience gained through internships, industry collaborations, and projects.
  - Developed strong communication, leadership, and teamwork skills, evident through successful projects, presentations, and extracurricular involvement.
  - Committed to lifelong learning, staying updated on the latest advancements in mechanical engineering through self-driven education and professional development.
- National Education Board of safety and health**  
**NEBOSH**  

  - NEBOSH IGC
  - (International General Certificate for Occupation Health and Safety)

UK

PROJECTS

Design and Fabrication of Automatic Roller Bending Machine

11/2022 - 06/2023 Peshawar  
https://www.cecos.edu.pk

BSc Mechanical Engineering (Final year project)

- Conducted in-depth research and successfully completed a thesis on design and development of an automatic roller bending machine.
- Led a team to design and construct a prototype that demonstrated enhanced efficiency and accuracy in metal sheet bending processes.
- Applied engineering principles, including CAD modeling and Finite Element Analysis, to optimize the machine's performance.
- Presented findings and results effectively, showcasing strong communication and technical writing skills.

CERTIFICATION

NEBOSH

IOSH

Artificial Intelligence (AI)

Communication and Interpersonal Skills at Work

OSHA

Data Analysis with Excel

Digital Marketing

Health and Safety in organization

VOLUNTEERING

Events and Food Manager

CECOS Society

2019 - 2023

"For four years, I actively contributed to the CECOS University Society, working collaboratively diverse team to organize dynamic student events. In my leadership capacity, I was responsible for event planning, budget management, and strategic social media promotion. I consistently offered valuable insights during meetings, promoting creativity and enhancing my organizational, teamwork, and leadership abilities.



SKILLS

Technical

ANSYS (simulation)	MATLAB	3D CAD Modeling (Solid works)	Thermodynamic and Heat transfer	HVAC
Project costing and Analysis	Technical documentation and reporting		Prototyping	

Analytical

Mathematics	Data Analysis and interpretation	Root Cause Analysis	Logic	Problem Solving
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Communication

Excellent Presentation	Technical drawing & drafting	Technical Writing	Strong Verbal Communication
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Leadership

Project Management	Effective Teamwork	Risk assessment and management	Production Planning
Maintenance Management	Quality control and assurance	Equipment Safety	

ADDITIONAL SKILLS

MS Office	Virtual Assistance	Graphics design & Product Design	Web Design	Digital Marketing
Sketches, specifications and drawings		Safety processes and procedures	Engineering ethics & professionalism	etc

LANGUAGES

English	Proficient	ARABIC	intermediate	Urdu	Native
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TRAINING / COURSES

NEBOSH

Certified NEBOSH professional with extensive experience in health and, skilled in identifying hazards, conducting assessments, and implementing safety measures maintain a secure workplace. Proficient in ensuring compliance safety regulations fostering a culture of safety, and enhancing operational efficiency.


Microsoft Excel



Highly proficient in Microsoft Office Suite, including Excel, Word, and PowerPoint. Experienced in utilizing Microsoft Power BI for data visualization and dashboard creation. Skilled in leveraging Microsoft Teams, SharePoint, and OneDrive for effective collaboration. Adept in Excel VBA for task automation and advanced data analysis. Competent in Microsoft Access for database management and optimization.

SOFT POWER AT THE WORKPLACE


Enhance communication skills in both professional and personal settings. Examine how cultural nuances shape workplace interactions across various. Implement strategies to excel in different communication contexts. Recognize the significance of transforming identity by embodying faith, hope, and love in the workplace.


KEY ACHIEVEMENTS

- **Artificial Intelligence (AI)**
  - Utilized AI to detect early signs of equipment failure and optimize maintenance schedules.
  - Developed AI-driven control systems to enhance autonomous operations in industrial applications.
  - Implemented AI-powered image analysis for defect detection and real-time monitoring.
  - Applied AI algorithms to improve efficiency in thermal systems, fluid dynamics, and material science
- **Health and Safety in organization**
  - "Gained a comprehensive understanding of health and safety protocols, ensuring a safe work environment."
  - Acquired knowledge in hazard identification, risk assessment, and emergency response procedures.
  - Strengthened the ability to promote a culture of safety, protecting both employees and workplace assets


- **WELLBEING AND RESILIENCE AT WORK**
  - Identify the key features of resilience Assess the techniques for growing your resilience
  - Develop a plan to improve your resilience Identify the key features of personal adaptability
  - Assess your adaptability and develop a plan to improve it
  - Demonstrate your ability to adapt
- **Digital Marketing**
  - Proficient in digital marketing strategies and techniques.
  - Capable of developing and executing effective digital marketing campaigns.
  - Strong understanding of diverse digital marketing channels SEO, content marketing, social media, and email marketing, with a focus on data-driven optimization.

STRENGTHS

- **Self-Starter**


Passionate about improvement and excellence. Take initiative to learn the new and understand the old
- **Detail-Oriented**


Meticulous attention to detail in design, analysis, and quality control processes, ensuring precision and accuracy in engineering tasks.


- **Team-Driven**

Driven by the team pursuit of success and perform where needed.Weather leading or following.

INTERESTS





- **Continuous Learning**

Highlight a passion for staying abreast of the latest advancements in mechanical engineering through ongoing education, training, and professional development.
- **Problem Solving**

Emphasize a passion for tackling complex engineering challenges and finding creative solutions that enhance efficiency and functionality.
- **Quality Assurance**

Demonstrate a passion for maintaining high-quality standards in engineering work, ensuring products and systems meet or exceed industry benchmarks.

PASSION

- **Engineering Innovations:** Staying updated with the latest advancements in mechanical engineering.
- **Materials Science:** Investigating cutting-edge materials for enhanced engineering solutions.
- **Renewable Energy:** Passionate about sustainable technologies and green energy solutions.
- **Robotics and Automation:** Exploring the intersection of mechanics and automation for efficiency

REFERENCES

Available upon request

# CECOS University

of IT & Emerging Sciences

Peshawar, Pakistan



*The University in accordance with the authority  
vested in it hereby confers upon*

*Asaf Ali Khan  
S/O Fazal Hussain  
the Degree of*

**Bachelor of Science in Mechanical Engineering**

*with all the rights and privileges appertaining thereto.*

*Given at Peshawar on September 23, 2023*



*Hamidullah*  
Dean

*Munir*  
Registrar

*23*  
President



# CECOS UNIVERSITY OF IT & EMERGING SCIENCES PESHAWAR, PAKISTAN

## Academic Transcript

Name: ASAF ALI KHAN  
Father Name: FAZAL HUSSAIN  
Registration No: 2019/CUP/MECH-0384  
Session: 2019-2023

Degree: Bachelor of Science in Mechanical Engineering  
Credit Hours Earned: 136  
Cumulative GPA: 3.25 / 4.00  
Overall Percentage: 80.00%  
Degree Status: Completed

Course Code	Course Title	Credit Hours	Grade Points	Letter Grade	Course Code	Course Title	Credit Hours	Grade Points	Letter Grade
<b>Fall-2019</b>					<b>Spring-2022</b>				
HS-101	Functional English	2	3.33	B+	ME-315	Mechanics of Machines	3	3.33	B+
CS-101	Computer System and Programming	2	3.67	A-	ME-316	Mechanical Engineering Design	2	3.00	B
GS-101	Calculus and Analytical Geometry	3	3.00	B	ME-324	Heating Ventilating and Air Conditioning	3	3.00	B
CS-101	Computer System and Programming (Lab)	1	4.00	A	ME-325	Heat Transfer and HVAC (Lab)	1	2.67	B-
GS-102	Applied Physics	2	3.33	B+	<b>SCH: 17 SGPA: 3.17 CCH: 105 CGPA: 3.24</b>				
GS-102	Applied Physics (Lab)	1	4.00	A	<b>Fall-2022</b>				
GS-103	Applied Chemistry	2	2.67	B-	MS-401	Engineering Economics	2	3.00	B
ME-111	Engineering Drawing and Graphics	1	4.00	A	ME-411	Mechanical Vibration	3	2.67	B-
ME-111	Engineering Drawing and Graphics (Lab)	1	4.00	A	ME-412	Mechanisms and Mechanical Vibrations (Lab)	1	1.67	C-
ME-112	Introduction to Engineering	1	3.67	A-	ME-413	Introduction to Finite Element Analysis	2	3.00	B
<b>SCH: 16 SGPA: 3.42 CCH: 16 CGPA: 3.42</b>					ME-413	Introduction to Finite Element Analysis (Lab)	1	2.67	B-
<b>Spring-2020</b>					ME-421	Internal Combustion Engines	3	3.00	B
EE-101	Basic Electrical Engineering	2	4.00	A	ME-422	Renewable Energy Technology	2	4.00	A
EE-101	Basic Electrical Engineering (Lab)	1	3.00	B	<b>SCH: 14 SGPA: 2.95 CCH: 119 CGPA: 3.20</b>				
HS-102	Communication Skills	1	3.67	A-	<b>Spring-2023</b>				
HS-102	Communication Skills (Lab)	1	4.00	A	IS-401	Islamic Studies	2	4.00	A
GS-104	Linear Algebra and Ordinary Differential Equations	3	3.33	B+	MS-402	Project Management	2	3.00	B
ME-113	CAD (Lab)	1	4.00	A	MS-403	Entrepreneurship	1	3.33	B+
ME-114	Workshop Practice (Lab)	2	3.00	B	ME-414	Maintenance Engineering	2	3.00	B
ME-115	Engineering Statics	3	4.00	A	ME-423	Power Plants	3	3.33	B+
ME-121	Thermodynamics -I	3	3.00	B	ME-424	IC Engines and Power Plants (Lab)	1	3.67	A-
<b>SCH: 17 SGPA: 3.51 CCH: 33 CGPA: 3.46</b>					ME-499	Senior Design Project	6	4.00	A
<b>Fall-2020</b>					<b>SCH: 17 SGPA: 3.59 CCH: 136 CGPA: 3.25</b>				
PS-201	Pakistan Studies	2	3.67	A-	<b>END OF TRANSCRIPT</b>				
HS-201	Technical Report Writing	2	4.00	A					
GS-201	Complex variables and Transforms	3	2.67	B-					
ME-211	Engineering Mechanics-II Dynamics	3	3.67	A-					
ME-212	Mechanics of Materials -I	3	3.00	B					
ME-213	Engineering Mechanics (Lab)	1	2.33	C+					
ME-221	Thermodynamics -II	3	3.67	A-					
ME-222	Thermodynamics -II (Lab)	1	2.33	C+					
<b>SCH: 18 SGPA: 3.28 CCH: 51 CGPA: 3.40</b>									
<b>Spring-2021</b>									
EE-201	Fundamentals of Electronics	2	4.00	A					
EE-201	Fundamentals of Electronics (Lab)	1	3.00	B					
HS-202	Organizational Behavior	2	2.33	C+					
ME-214	Machine Design -I	3	2.33	C+					
ME-215	Mechanics of Materials -II	3	3.33	B+					
ME-216	Mechanics of Materials -II (Lab)	1	2.67	B-					
ME-217	Engineering Materials	3	2.67	B-					
ME-223	Fluid Mechanics -I	3	2.67	B-					
<b>SCH: 18 SGPA: 2.85 CCH: 69 CGPA: 3.26</b>									
<b>Fall-2021</b>									
GS-301	Numerical Analysis	3	3.67	A-					
ME-311	Machine Design -II	2	2.67	B-					
ME-312	Instrumentation and Measurement	2	3.67	A-					
ME-312	Instrumentation and Measurement (Lab)	1	3.67	A-					
ME-313	Manufacturing Process	3	3.33	B+					
ME-313	Manufacturing Process (Lab)	1	3.00	B					
ME-321	Fluid Mechanics -II	3	3.00	B					
ME-322	Heat and Mass Transfer	3	3.00	B					
ME-323	Fluid Mechanics -II (Lab)	1	3.00	B					
<b>SCH: 19 SGPA: 3.23 CCH: 88 CGPA: 3.25</b>									
<b>Spring-2022</b>									
MS-301	Occupational Health and Safety	1	3.33	B+					
GS-302	Probability and Statistics	3	3.33	B+					
ME-314	Control Engineering	3	3.33	B+					
ME-314	Control Engineering (Lab)	1	3.00	B					

Errors & Omissions are subject to subsequent rectification. This Transcript is not an Official Document until Signed & Stamped by The Controller of Examinations, CECOS University of IT & Emerging Sciences, Peshawar (Pakistan).

Enrollment Date: October, 2019  
Result Declared on: August 17, 2023  
Issued on: September 14, 2023

PREPARED BY

CHECKED BY

This Transcript is issued without alteration or erasure, Official Transcript Carries University Security Seal.

CONTROLLER OF EXAMS  
CECOS University of IT  
& Emerging Sciences Peshawar



**AFI - NORINCO J.V.**

2<sup>nd</sup> Floor, STP Building, STP-1, F-5/1,  
Constitution Avenue, Islamabad  
Tel: 0092-51-2820260-1- 8431706  
Fax: 0092-51-8431705 Email : afi@alfajr.com.pk



Ref: AFI/MKD-III/PM /EXP/ 4677

Dated: 08 -11-2021

## **TO WHOM IT MAY CONCERN**

It is certified that **Mr. Asaf Ali Khan S/O Fazal Hussain** has worked as **Internee** with **AFI-NORINCO J.V.** at **81MW Malakand-III Hydro power complex, Dargai** from **2<sup>nd</sup> September 2021 to 3<sup>rd</sup> November 2021.**

He is versed with his job and has capabilities to perform his duties with paramount outcomes. He Works with honesty and efficiency.

I wish him success in his future assignments.

**PLANT MANAGER**  
Al-Fajr NORINCO J.V.  
MKD-III HPC DARGAI



*8/11/21*  
*8/11*



This is a certificate awarded to

**Asaf Ali Khan**

on successfully completing

**IOSH Managing Safely**

a course approved and validated by the

**Institution of Occupational Safety and Health**

in association with

**HSE Academy (Pvt) Ltd**  
**Approved Centre: 5259**

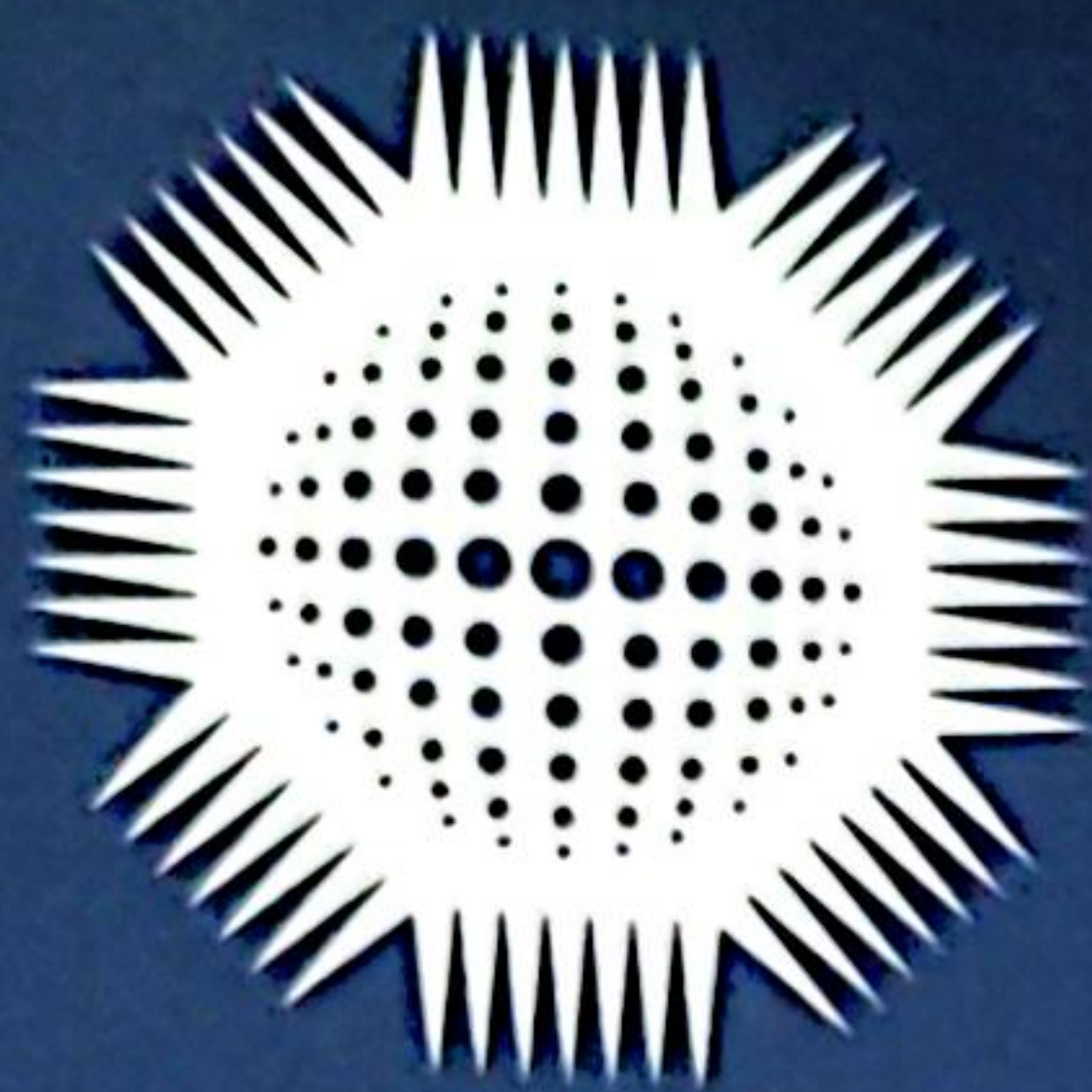
Signed on behalf of IOSH

*Vanessa Hamood-Ul-Idris*  
Chief Executive



IOSH certificate number: 41077750-01-KMHR

Issued Date: 16 April 2025



nebosh

# NEBOSH International General Certificate in Occupational Health and Safety

This is to certify that

**Asaf Ali Khan**

was awarded this qualification on

**13 December 2021**

Les Philpott  
Chair

Dee Arp  
Accountable Officer

Master log certificate No: 00623800/1258147

SQA Ref: R630 04



**The National Examination Board in  
Occupational Safety and Health**

Registered in England & Wales No. 2698100  
A Charitable Company Charity No. 1010444



OSHAS

Occupational  
Safety & Health  
American Society

Cert No. : 0076007

# Certificate of Completion

## Asaf Ali Khan

Has successfully completed all academic requirements in this Occupational Safety & Health course of study presented by OSHAS authorized training provider (ATP)

### 30 Hours General Industry Standards

**Henry D'Cooper**  
Chief Executive Officer



**30-12-2024**

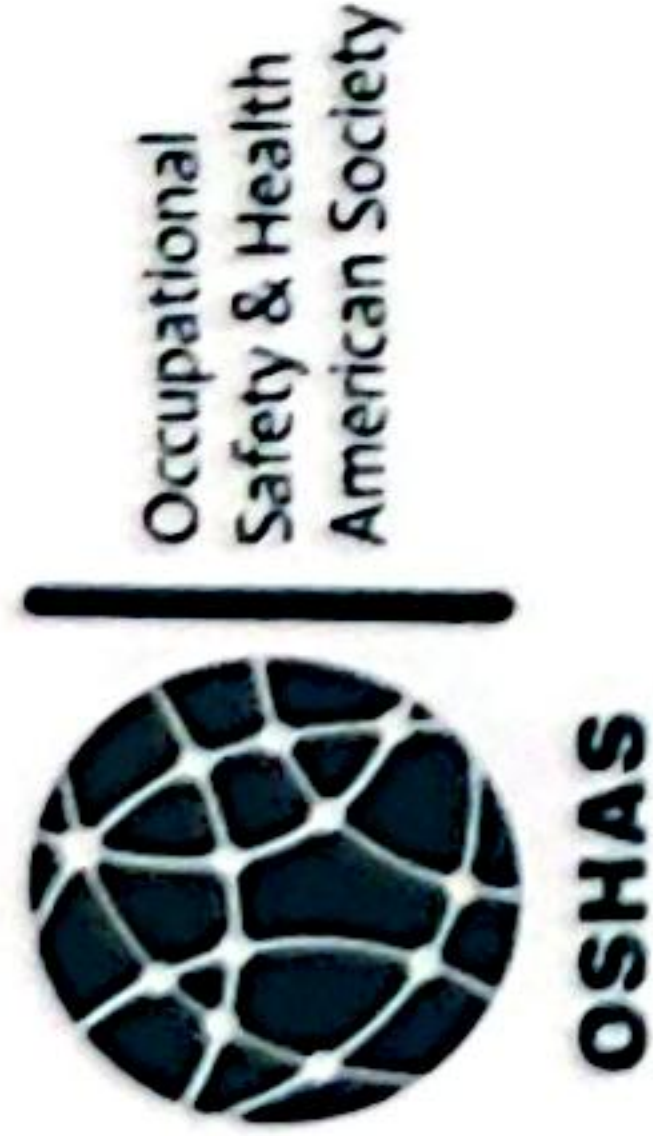
Issue Date

**Marcus Hilton**  
Director Training



[www.oshas.us](http://www.oshas.us)

**OSHA®**



# TRANSCRIPT

LEARNER NAME:

**Asaf Ali Khan**

COURSE:

**30 Hours General Industry Standards**

Certificate Number : 0076007

Issue Date: 30-Dec-2024

SERIAL #	TOPIC	OBTAINED SCORE	TOTAL SCORE
01	Introduction to Health & Safety Management System	3.0	4.0
02	Ergonomics & Work Related Upper Limb Disorders	4.0	4.0
03	Energy Isolation & LOTOTO	2.6	4.0
04	Electrical Safety & Controls (Basics)	4.0	4.0
05	Introduction to Safety Accountability	4.0	4.0
06	Hazards & their Controls	2.3	4.0
07	Introduction to Safety Supervision	4.0	4.0
08	Fall protection & Safe working at height	4.0	4.0
09	Personal Protective Equipment (PPE)	4.0	4.0
10	Bloodborne Pathogens	4.0	4.0

**Morgan Maxwell**  
Exam Coordinator

OBTAINED SCORE

3.6

OSHAS trainings are provided as per ANSI Standard Z490.1-Criteria. This transcript verifies that the learner have acquired knowledge to satisfy the employer's safety training program requirements.



**coursera**  
project  
network

Aug 7, 2024

**Asaf Ali Khan**

has successfully completed

**Introduction to Microsoft Excel**

an online non-credit project authorized by Coursera Project Network and offered through  
Coursera



Summer Scaggs  
Subject Matter Expert  
Freedom Learning Group

PROJECT  
CERTIFICATE



Verify at:  
<https://coursera.org/verify/0EDTVMDemocQ>

Coursera has confirmed the identity of this individual and their  
participation in the project.



Ministry of Information  
Technology & Telecom  
Government of Pakistan



# TRAINING CERTIFICATE

**ASAF ALI KHAN**

has completed the training in **DATA ANALYTICS AND BUSINESS INTELLIGENCE** course under DigiSkills Training Program  
DSTP2.0-Batch-08 Jul 2024-Oct 2024

*Arshad Saleem*

Rector, Virtual University

*Arif Ishaq*

CEO, Ignite





Ministry of Information  
Technology & Telecom  
Government of Pakistan



# TRAINING CERTIFICATE

**ASAF ALI KHAN**

has completed the training in **FREELANCING** course under DigiSkills Training Program  
DSTP2.0-Batch-08 Jul 2024-Oct 2024

*Arshad Saleem*

Rector, Virtual University

*Raul Basha*

CEO, Ignite



# CERTIFICATE OF ACHIEVEMENT

This certificate is presented to

**Engr. Asaf Ali Khan**

for successfully completing a Course about

**Health and Safety Management**

Course Start Date: 2024-09-03

Certified No.  
**19381689562**



*mindluster*

Signature



2024-09-03

Date

[www.mindluster.com](http://www.mindluster.com)

هوية مقيم

رقم النسخة ١

المملكة العربية السعودية

وزارة الداخلية



أسف علي خان فازال حسين

ASAF ALI KHAN FAZAL HUSSAIN

تاريخ الانتهاء: ٢٠٢٦/٠٧/٠٢

رقم الهوية: ٢٦٠٤٩٢٢٢٣٣

مكان الميلاد: باكستان

تاريخ الميلاد: ٢٠٠١/٠٦/٠١

الديانة: الاسلام

الجنسية: باكستان

المهنة: عامل تحميل وتنزيل

هوية صاحب العمل: ٧٠٣٩٤٣٣٩٦١

مكان الإصدار: شركة العلم لأمن المعلومات

مكان العمل: منطقة الرياض

يجب التحقق  
من الرمز السريع  
قبل اعتماد  
التعامل مع الهوية

