



اتحاد المهندسين اليمني الألماني
DEUTSCH-YEMENITISCHER INGENIEUR-VEREIN E. V.

Certificate

OF ACHIEVEMENT

AWARDED TO

Mohammed Abdulmoez Noman Qaid

For successfully completing

The IT Enhancement Program (ITEP)

that took place from 08.02.2024 to 21.04.2024 at **Ultimate** Training Center

in Sana'a, Yemen



Date 09 - 05 - 2024



Mr. Ghamdan Alzoaitry
Deputy Chairman

IT Enhancement Program

Modules and Topics

Module	No. of Hours	Topics
Collaborative Development	18	<ul style="list-style-type: none">- Introduction to Agile: Scrum and Kanban- Version Control: Git, Branches, Merge, Merge Conflicts, and Link to Remote Repository- Pull Requests and Release Management
Software Architecture	18	<ul style="list-style-type: none">- Architecture Thinking Overview- Architecture Patterns: Intro, Layered Arch., Microkernel Arch., Event Driven Arch., Microservices Arch., Arch. Pattern Selection.- Architecture Decision Record- Application Modernization Strategies- Architecture Documentation (Arch42, C4)
Software Engineering	36	<ul style="list-style-type: none">- Algorithmic Complexity Analysis- Practical Data Structures and Efficient Algorithms- Introduction to MVC and the Spring Framework- SOLID Principles, Design Patterns, and Anti-patterns- Different Levels of Software Testing- Relational Database Design and Optimization
Software Operations	18	<ul style="list-style-type: none">- Introduction to Cloud Computing, AWS, and DevOps- Terraform, Ansible, Containers, and Kubernetes
Final Project	30	<ul style="list-style-type: none">- Food Delivery System

Total number of training hours: 120

