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Date: 18-9-2025

To Whom It May Concern,

This is to confirm that Abdallah Houssein Fleity has completed a 2 Months of internship with us at JOYA SMART in the Technical department from July 15<sup>th</sup> 2025 to September 15<sup>th</sup> 2025.

Abdallah joined us as a student from Antonine University

During the internship period, Abdallah was involved in a training that covered the below topics:

- Overview of sensor types and their outputs.
- Overview of Analog-to-Digital Conversion.
- Basic of networking (LAN, WAN, IP, Subnetting, NAT, Routing).
- Overview of serial and IP-based data protocols (Modbus, M-Bus, TCP/IP, SNMP...)
- HTML 5 (basic structure and design).
- CSS 3
- JS+ (Library jQuery)
- PHP and MySQL connection.
- MySQL: Basic queries.
- Create a small project (Frontend +Backend)

Abdallah showed strong technical ability, and demonstrated quick learning and adaptability.

Sincerely,

**Habib Antoury - CTO**



A handwritten signature in blue ink, appearing to read "Habib Antoury".

**JOYA**  
**SMART**

The JOYA SMART logo is printed below the signature, with the "O" in "JOYA" containing a power symbol.