Date: May 23. *2019*

AI & Robotics Lab
College of Information Technology
United Arab Emirates University

Experience Certificate

This is to certify that Mr. Hassan Umari was employed as a Research Assistant in our research laboratory, as below:

- **Location:** College of IT, Intelligent Robot Interaction Laboratory (IRI Lab.), UAE University.
- **Position:** Research Assistant.
- **Period:** from 10th April 2017 - 18th February 2019 (1 year and 10 months).
- **Main Job duties:**

- Rapid prototyping using 3D printing.
- Mechanical Design and CAD modeling.
- PCB and Electronic circuits design.
- Programming robots.
- Writing scientific papers.

-**Main projects:**

- Wearable hand assistive device for stroke patients: A device for helping stroke patients who lost their hand motor functions in their daily life activities.
- Designing a large 3D printer: Designed a 3D printer (except the nozzle) to be used as a testing platform for concrete 3D printing. (Printer's dimensions: 174x155x98 $cm3$) (width, length, height)

- **Seminars and workshops:**

- Introduction to the Robot Operating System (ROS).
- Introduction to Arduino.

We wish him a bright future and the very best of all his future work.

Dr. Fady S. Alnajjar, PhD.
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