

July 22, 2020

Letter of Recommendation

To Dr. Abdalla Elgammal

I would like to take this opportunity to highly recommend Dr. Abdullah Elgammal, for the recently vacated position of assistant professor at Mechatronics and Robotics engineering department.

I have known **Dr. Elgammal** for the past three years as an assistant professor at the department of electrical engineering and we have some shared courses. He used to teach the following courses for undergraduate/postgraduate students, Electric Circuits, Signal and Systems, Random and Stochastic Process, Computer Programming I, II, Robotics and Robotics controllers. He has a powerful technique to illustrate important principles for such courses. In addition to graduation project mentoring and supervision. All projects under the supervision of **Dr. Elgammal** were supported/funded by either Academy of Scientific Research and Technology (ASRT) or Information Technology Industry Development Agency (ITIDA).

Dr. Elgammal has conducted multidisciplinary research over the last period, his research work is concerned with the area of robotics design, analysis and control. We have a common research project in the area of UAVs. This research project got a special fund from Benha university and has been submitted as a patent (*filling no 1007/2020*). **Dr. Elgammal** used to conduct multidisciplinary research groups and at every time he shows a good analytical skills.

As one of the faculty member, it is my view that **Dr. Elgammal** is fully qualified to be promoted to the position of assistant professor at the department of Mechatronics and Robotics Engineering.

Dr. Manar Lashin

Manar H. Lashin

Assistant professor at faculty of engineering Benha University, Egypt.

Director of Intellectual Property and patent Office- Benha University.

Deputy director of Innovation and Entrepreneurship Center (IEC)- Benha University.

August 12, 2019

Letter of Recommendation

To **Dr. Abdalla Elgammal**

I have known **Mr. Abdalla Tarek Elgammal** for more than three years as he was a PhD student under my supervision. He is an outstanding researcher in all respects. He has a high level of intellectual skills, a good cooperative behavior. **Elgammal** has proven that through hard work, follow though, and team work, that he can accomplish tasks in a courteous and timely manner. Dr. **Elgammal** was a member in a teamwork during his PhD that proposes a novel design of 3D manipulator for micromanipulation, they achieve remarkable results based in his novel design, and they awarded patent in 2015. He has published two journal papers and three conference papers. In 2017, he has a warded the PhD degree in Mechatronics and Robotics Engineering, and his thesis title was: “*Design, Dynamic Modeling and Control of a Novel 3D Compliant Pantograph Manipulator for Micromanipulation*”.

Sincerely,

Main supervisor

Prof. Abdel Fatah Mohamed

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Professor at Mechatronics and Robotics Eng. Dept.,

Egypt-Japan University for Science and Technology (EJUST).