University of Science and Technology Zewail City

Prof. Mahmoud Abdel-Aty Head of Math. Department

> 6th of October Egypt Tell. +20-1211855997 Email: mabdelaty@zrewailciyu.edu.eg

Ref. Recommendation for summer school

Dear Colleague,

It gives me a great pleasure to recommend **Rania** Attia for joining a master prgram at your University.

I came to know Rania since 2019, where she is working as a research assistant at and a mathematical teaching assistant.

So far, she managed to work in modeling of micro and nanoscale devices by using different numerical techniques depending on Matlab, C, C++ and other programing languages. Out of this work she has a good experience with different commercial softwares as COMSOL and Lumerical.

Rania has the ability to produce impressive results in a wide variety of areas as indicated in her research interests. She is very capable student and she has a lot of potential to achieve highly, if she is given the opportunity to join your group, so I would recommend her to work with you

Sincerely yours

Prof. Dr. Mahmoud Abdel-Aty

Vice-President of African Academy of Sciences

Director of NSP

Professor of Applied Mathematics, Mathematics Department,

Zewail City of Science and Technology

Egypt.

mabdelaty@zewailcity.edu.eg