Womanium Quantum Hackathon 2022
Quantum Hardware Education Challenge

Temitope Adeniyi, Klára Churá, Deeksha Dadhich,
Sofia d'Atri, Seyedeh Mahshad Hosseini

Contents

1 Introduction

This document will provide some information about our challenge for the **Womanium Quantum Hackathon 2022**. It contains the team's details, information regarding the challenge, an outline of our solution and the main features we chose to implement.

2 Team

The team name is **QGirls**. The team is composed of 5 members. The names and the contact details of the members are listed below.

Temitope Adeniyi	**Discord** Herostar#3246 **GitHub** Temistar **e-mail** odeyomitemitope@gmail.com
Klára Churá	**Discord** clarech712#4866 **GitHub** clarech712 **e-mail** clarech712@gmail.com
Deeksha Dadhich	**Discord** Deeksha#8552 **GitHub** newbeaen **e-mail** deeksha.dadhich@icfo.eu
Sofia d'Atri	**Discord** cosmcif#1672 **GitHub** cosmcif **e-mail** datrisof@gmail.com
Seyedeh Mahshad Hosseini	**Discord** Mahshad Hosseini#3526 **GitHub** MahshadHosseini **e-mail** mahshadhosseini@gmail.com

3 Challenge

The challenge we chose is the **Quantum Hardware Education Challenge** by **QWorld**. In particular, we decided to develop a solution on the topic of Photonics Quantum Computers and we will focus on the creation of a course named **Introduction to Photonics Quantum Computers**.
In the following pages, we will discuss our ideas and plans for this challenge.

4 Our challenge solution

4.1 Introduction to Photonics Quantum Computers

4.2 Course overview

4.3 Modules

4.4 Exercises

4.5 Presentation