Annual report 2025

QEducation Department

Head(s) of the department: Aurél Gábris, Jibran Rashid, Abdullah Khalid, Claudia Zendejas-Morales
Active members of the department: Kenneth Isamade, Abuzer Yakaryilmaz, Rumlah Amer, Özlem Salehi Köken, Razeen ud Din, Mah Noor, Maja L.
Other members of the department:

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Activities for 2025

ADEQUATE Project (collaboration with QURECA)

Date: Jan - Dec 2025

Coordinators: Aurél Gábris
Instructors: Jibran Rashid, Abdullah Khalid, Claudia Zendejas-Morales, Özlem Salehi Köken
Scope: *global external*
Short description: The ADvanced End-to-end QUAntum computing TEchnical course (ADEQUATE), funded by the EIT Deep Tech Talent Initiative, provides a complete overview of the established quantum algorithms and computational techniques.
Outcomes: *2000+ (by Nov. 2025)*
https://lms.qureca.com/product/adequate/?v=1cd3c693132f
https://qt.eu/events/adequate-course
https://qworld.net/adequate-meeting/

QWorld NYUAD Hackathon QC Course 2025

Date: Feb 17 – Feb 26
Coordinators: Jibran Rashid
Instructors: Jibran Rashid
Mentors: Maja L.
Scope: *global external*
Short description: Preparation workshop for NYUAD International Hackathon for Social Good. (Bronze, Nickel)
Outcomes: *85 (Bronze), 53 (Nickel)*
Comments for future editions: *2026 workshop planned for July 2026. Based on feedback workshop updated to Bronze, Nickel (partial) and Cobalt*
Relevant websites: *https://qworld.net/nyuad-course-2024/*
QWorld Womanium Quantum Summer School 2025
Date: June 4, 9 & 11
Coordinators: Jibran Rashid
Instructors: Mah noor, Rumlah and Amrit
Scope: *global external*
Short description: Collaboration with Womanium for summer school on quantum computing.
Comments for future editions: *Womanium did not reach out in 2026 for a possible collaboration. We should engage with them to ensure we keep them as long term partners.*
Outcomes: *603 diplomas awarded*

QWorld OQI Hackathon QC Certification Courses

Date: May 19-28 (QBronze163 and QNickel 22) and August 4-13 (QBronze165 and QNickel 25)
Coordinators: Jibran Rashid
Instructors: Jibran Rashid
Mentors: Maja L.
Scope: *global external*
Short description: To ensure participants of Open Quantum Institute (OQI) supported hackathons are equipped with the necessary skills, QWorld offers an education program covering quantum computing theoretical and applied skills (foundation to advanced skills). (Bronze, Nickel)

Outcomes: *71 (QBronze163), 252 (QBronze165), 55 (QNickel22) and 213 (QNickel25)*
Supported Hackathons:

- *AIMS Quantathon (Ghana) – July 2025*
- *SEA Quantathon (Thailand) – August 2025*
- *Alexandria Quantum Hackathon (Egypt) September 2025*
- *Quantum Hackathon Latam (University of Montevideo, Uruguay) – October 2025*

Comments for future editions: *2026 workshops planned for May and August 2026. Based on feedback workshop updated to Bronze, Nickel (partial) and Cobalt*
Relevant websites: *https://qworld.net/oqi-hackathon-course/*

QTraining10 for QBronze

Date: Sep 15 - 28
Coordinators: Rumlah Amer
Trainers: Rumlah Amer, AbdulMalek Baitulmal, Kenneth Isamade, Claudia Zendejas-Morales and Jibran Rashid
Scope: *global external*
Outcomes: *16 out of 23 awarded QInstructor and 6 out of 14 awarded QMentor certificates*
Short description: Instructor and mentor training for QBronze workshop
Outcomes: 20 diplomas awarded

QCobalt8

Date: Sep 29 - Oct 2
Coordinators: Jibran Rashid
Instructors: Syed Danial Haseeb
Scope: *Pakistan*
Short description: Offered in collaboration with QPakistan as part of QCobalt
Outcomes: 4 diplomas awarded
Relevant websites: https://qworld.net/qbarsaat/

QBronze176

Date: Oct 18 - 19
Coordinators: Amrit Chhetri
Instructors: Harsh Mehta, Jagjeet Chauhan, EL B Tarik, Mohamed S
Scope: *Tunisia*
Short description: Offered at ATIC Congress organized by the IEEE IIT Student Branch
Outcomes: 22 diplomas awarded
Relevant websites: **QBronze176 | QWorld (October 2025) - QWorld**

QBronze180

Date: Dec 1 - 5

Coordinators: Aga and Amrit Chhetri
Instructors: Kiran Patil, Laiba Tahir, and Rithik Rai
Scope: *Africa* *Quantum* *Hackathon* *2025*
Short description: Organized in collaboration with African Quantum Consortium (AQC)
Outcomes: 500 participants
Relevant websites: **QBronze180 | QWorld (December 2025) - QWorld**

Deliverables

N/A

Future plans

Events

QCourse581-1

Dates: *Spring 2026*
Coordinators: Jibran Rashid
Scope: *global*
Short description of plans: Semester long university level quantum course
Relevant websites: QCourse 581-1 - QWorld

QML content development by Claudia

Others

Discussion items for QEducation

1. *Collaboration with Pennylane for Fall 2026 QCourse*
2. *Part of European Quantum Academy consortium*
3. *Updated existing content based on qiskit version updates and assessment refinements*
4. *Collaboration with Dojo Coding*