



**QUANTUM
COMPUTING**

A math-free approach!

INFO PACK

KA151 ERASMUS+ PROJECT

EMERGING TECHNOLOGIES IN EDUCATION

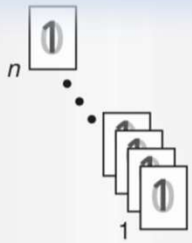
COURSE OUTLINE



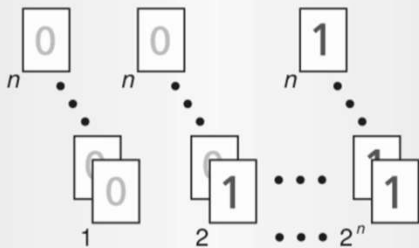
- ✓ **Location:** *Larissa, Greece*
- ✓ **Timeline:** *27th Oct to 1st of Nov, 2025*
- ✓ **Number of participants:** *10*
- ✓ **Duration:** *6 days (plus 2 days)*

INTRODUCTION

Welcome to the Erasmus+ KA151 mobility project on **Emerging Technologies in Education**, with a special focus on **Quantum Computing**. This program will provide participants with the opportunity to explore groundbreaking technologies, engage in hands-on activities, and interact with experts in the field.



(a)



(b)

PROJECT OVERVIEW

This project aims to introduce participants to **Quantum Computing**, offering both theoretical and practical knowledge on how these technologies can be integrated into education. The agenda includes interactive workshops, lectures, and visits to key technological institutions.

OBJECTIVES & MAIN THEMES

The project is designed to:

- ✓ ***Introduce the fundamentals of Quantum Computing***
- ✓ ***Explore the differences between Classical & Quantum Computing***
- ✓ ***Engage in practical exercises using tools like IBM Q Experience***
- ✓ ***Connect technological advancements with educational applications***
- ✓ ***Facilitate interactions with industry experts and researchers***

TARGET AUDIENCE

- ✓ ***Educators interested in emerging technologies***
- ✓ ***University students & young professionals in STEM fields***
- ✓ ***Researchers and technology enthusiasts***

LOCATION & ACCOMMODATION

*The program will take place in **Larissa, Greece**, a vibrant city rich in history and innovation. Participants will be accommodated in a centrally located hotel with easy access to all venues.*



TRAVEL & BUDGET

Erasmus+ funding covers travel costs, accommodation, and meals. Participants will receive guidance on travel arrangements, visa requirements (if applicable), and reimbursement procedures.

PARTICIPANT RESPONSIBILITIES & GUIDELINES

- ✓ Full participation in all activities is required.
- ✓ Attendance in at least **80% of sessions and workshops**
- ✓ Participants must support the dissemination of project results through social media and local initiatives.
- ✓ Respect for the project's rules and the code of conduct is expected.



DISSEMINATION OF RESULTS

- ✓ Publishing articles and sharing experiences through websites & social media.
- ✓ Organizing local workshops to spread acquired knowledge.
- ✓ Producing videos and photo content documenting the project experience.

ACTIVITIES & PROGRAM OUTLINE

The program includes:

- ✓ **Lectures & Discussions:** *Core principles of Quantum Computing.*
- ✓ **Workshops & Hands-on Sessions:** *Building quantum circuits, interactive simulations.*
- ✓ **Educational Visits:** *Joist Innovation Center, University of Thessaly's Quantum Computing Group.*
- ✓ **Cultural & Social Activities:** *Visit to the Ancient Theater of Larissa, nature walk along the Pinios River.*

***We look forward to an exciting
learning journey together!!!***



CONTACT & FURTHER INFORMATION

For any inquiries, please contact us at:

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