

## Questionnaire for students in understanding autism and digital skills and coding

This survey is within Erasmus+ project Designing Educational Materials and Teaching Digital Literacy to Individuals with Autism-DEMTeDLIA.

The general objective of the project is to train educators for individuals with autism to become capable for teaching individuals with autism digital literacy and coding and be able to provide guidance for enhancing the potential interest for STEM careers and employability of these individuals, thus enhancing the capacities of the education and training settings that support the individuals with autism so they can acquire relevant skills for the labour market in the future.

This questionnaire aims to gather insights from students on their experiences and opinions related to autism. Your responses are very valuable for us and will help us to create future learning opportunities for students like you.

### 1. What is your field of study?

- Technology (Computer Science, IT, Software development)
- Science
- Engineering
- Mathematics
- Education
- Psychology
- Special Education
- Social Sciences
- Other (please specify): \_\_\_\_\_

### 2. What is your current level of study at the university?

- Bachelor's student
- Master's student
- PhD student
- Other (please specify): \_\_\_\_\_

### 3. Have you ever learned about autism in school or through personal research?

- Yes
- No

### 4. At your opinion, autism is best described as:

- A developmental condition affecting communication and behavior
- A mental illness
- A temporary condition that can be cured
- A learning disability
- I'm not sure

**5. In your opinion, with which of the following autism is associated? (Select all that apply)**

- Differences in communication
- Sensory sensitivities
- Strong focus on specific interests
- Intellectual disability
- High intelligence
- Social difficulties
- I'm not sure

**6. Do you know anyone with autism?**

- Yes
- No
- I am not sure

**7. In your opinion, when can autism commonly be diagnosed?**

- Infants
- Early childhood
- Teenagers
- Adulthood
- I'm not sure

**8. Have you ever read or learned about how digital tools and coding can support people with autism?**

- Yes
- No

**9. In your opinion, which of the following digital tools or coding applications are designed for individuals with autism? (Select all that apply)**

- Augmentative and Alternative Communication (AAC) apps
- Assistive technology software
- Virtual reality training programs
- None of the above
- I'm not sure

**10. Are you familiar with how digital skills and coding benefit individuals with autism?**

*(Select all that apply)*

- Enhancing communication skills
- Supporting learning through structured tasks
- Encouraging creativity and problem-solving
- Providing career opportunities in technology fields
- Improving social interaction through gamified learning
- I'm not sure

**11. Have you ever participated in any course, workshop, or training related to digital skills and coding for autism?**

- Yes
- No

**12. If not, what are the main reasons? (Select all that apply)**

- Lack of awareness about available courses
- No interest in the topic
- Lack of time
- No access to relevant courses
- Other (please specify): \_\_\_\_\_

**13. Would you be interested in learning more about how coding and digital skills can support people with autism?**

- Yes
- No

**14. If yes, what specific areas would you be most interested in? (Select all that apply)**

- Coding for accessibility
- Assistive technology for autism
- Game development for social and cognitive skills
- AI and machine learning applications for autism
- Web and app development for autism-friendly platforms
- Data analysis and autism research tools
- Other (please specify): \_\_\_\_\_

**15. How confident are you in your coding skills?**

- Very confident
- Somewhat confident
- Neutral
- Not very confident
- No coding experience

**16. Which coding languages are you familiar with? (Select all that apply)**

- Python
- Java
- JavaScript
- C++
- Scratch
- None
- Other (please specify): \_\_\_\_\_

**17. Would you be interested in learning a new coding language specifically for developing autism-friendly applications?**

- Yes
- No

**18. How confident are you in your digital skills?**

- Very confident
- Somewhat confident
- Neutral
- Not very confident
- No experience with digital tools

**19. Which digital tools or software are you familiar with? (Select all that apply)**

- Data analysis tools (e.g., Excel, SPSS)
- Graphic design software (e.g., Photoshop, Canva)
- Video editing tools (e.g., Premiere Pro, iMovie)
- Web development platforms (e.g., WordPress, Wix)
- Programming environments (e.g., VS Code, PyCharm)
- None
- Other (please specify): \_\_\_\_\_

**20. Would you prefer to learn through:**

- Online courses
- Interactive workshops
- Self-paced reading materials
- Group discussions and seminars
- Hands-on projects and coding challenges

**21. Do you think learning about autism and digital skills and coding would be beneficial for your future studies or career?**

- Yes
- No

**22. What would motivate you to learn about this topic? (Select all that apply)**

- Personal interest
- Career opportunities
- Supporting individuals with autism
- Academic requirements
- Developing innovative solutions for neurodiverse individuals
- Other (please specify): \_\_\_\_\_

***Thank you for your participation.***