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GREEN COMPASS FOR NEW SKILLS IN VET

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A woman with long brown hair is wearing a white VR headset. She is interacting with a futuristic digital interface that features various glowing elements: a circular menu with icons, a wireframe hand model, and several floating white geometric shapes like diamonds and circles. The background is a bright, out-of-focus indoor setting.

Welcome to the Green Compass for New Skills in VET Project

Are you prepared for the rapidly evolving job landscape of the future? The European Commission predicts that over 60% of current jobs in the labor market will be completely transformed within the next 20 years. The COVID-19 pandemic has further accelerated these changes, making it essential for individuals to make informed choices about their professional paths.

We understand the challenges that this transition presents, and that's why we're excited to introduce the Green Compass for New Skills in VET Project. Our initiative aims to provide a digital compass for professions and the skills they require, empowering individuals to navigate the changing job market confidently.

Our Goals

Stay Ahead of Trends: Stay up-to-date with emerging job trends and the skills needed across various sectors of the economy.

Future-Focused Decision Making: Evaluate the trajectory of your chosen profession, assess its changing dynamics, and understand its prospects.

Updated Curricula: We're committed to updating and enhancing the training curricula we offer to ensure they remain relevant in today's rapidly evolving landscape.

Micro-Credentials Approach: Explore how micro-credentials can enhance existing courses and enable learners to acquire targeted skills.

Skillful Information Processing: Develop participants' ability to analyze and interpret vital information about labor market dynamics and required skills.

Empowered Career Management: Equip European citizens with the tools to make informed decisions about their careers.

Who Benefits

Aspiring Professionals: Individuals aged 16 and above seeking to make informed choices about their careers and skills.

Educators and Experts: Our project involves experts and educators who will drive research, data aggregation, and platform development.

Training Providers: Vocational training providers can use the collected data to refine their courses and training materials.

Policy Institutions: Institutions responsible for VET policies will also find our insights valuable.

Businesses: The study's findings will contribute to curriculum updates, ensuring professionals are well-prepared for market needs.

Professions Of The Future

Sectors Mechanical Engineering and Information and Communication Technologies-

3D Printing Specialist

This is a specialist in 3D printing technologies. Their responsibilities include developing technology, software, and working with equipment for 3D printing, as well as providing support for the printing process. They should be familiar with various 3D printing technologies, capable of designing and developing 3D models, and have an excellent understanding of materials and equipment. 3D printing specialists will be increasingly sought after in the production of consumer goods and design products.

Children's Robotics Designer

The children's robotics designer is a specialist who creates children's toys and games, various mechanized consumer goods based on programmable robots. They design robot projects for children to solve classic tasks from educational robotics - line following, maze navigation, and similar challenges.

Household Robotics Designer

This specialist develops and programs household robots (e.g., nanny robots, cleaning robots, laundry robots, gardening robots, dog-walking robots, etc.) that facilitate services within households. Such robots are integrated with other intelligent household devices and can perform more complex household tasks.

Robot Control Interface Designer


Specialists who design control systems for industrial robots through neural interfaces, allowing both individual operators and teams to control processes.

Composite Materials Specialist

This specialist is involved in selecting composite materials for manufacturing parts, mechanisms, and connecting elements of robotic devices with specified characteristics, including through 3D printing.

Zero Coder

A specialist who creates ready-made IT solutions from pre-developed blocks based on zero-code builders (tools that allow users to create websites and applications without programming). They understand database operations, design, can integrate various elements into a comprehensive system, and automate processes.

A woman with blonde hair, wearing a white lab coat, is shown in profile, looking at a tablet. She is holding a black stylus. The background is a light blue gradient with a faint network diagram consisting of nodes and connecting lines. The text is overlaid on this background.

Cybersecurity Expert for Intelligent Environments

An expert responsible for the security of specialized network segments within the lower levels of information infrastructure.

IT Auditor

Professionals specializing in software development. Auditors are responsible for complex IT systems that process data and make decisions based on them, whose errors or hacking potentially carry high risks.

BIG DATA Model Developer

A specialist who designs systems for collecting and processing large amounts of data obtained over the Internet, develops assembly interfaces, and the analytical models themselves.

Information Systems Architect

A qualified specialist in a wide range of data processing system activities. They design databases, develop action algorithms, provide efficient user access to data repositories, control quality and logic of storage and retrieval of information.

Intelligent Home Communication Network Designer

Technology for smart homes is a trend in modern construction. Programmers work to create new management opportunities for your home. But each project must be tailored to the specific nature of the home, requiring the assistance of a designer.

Virtual Reality Designer

A specialist who creates conceptual solutions for virtual reality, including philosophy, natural and social laws, rules for social interaction, landscapes, architecture, sensations (including smells and sounds). They detail everything designed by the virtual reality architect. They possess skills in drawing, modeling, creating engaging narratives, and shaping graphical details.

Digital Office Designer

An expert who designs digital offices (cloud applications or virtual spaces), devises design, and creates software. A digital office is a working environment with a high degree of automation of various office processes - from paperless document management to temperature and lighting control in the workspace.