

## SuperLab Terra do Sol: an integrative project that contextualises technical knowledge, digital games and artificial intelligence in retail service learning at SENAC, Natal, North Zone

The project presented enabled the students involved to develop skills related to digital autonomy, knowledge building, a collaborative attitude, sustainability mindset, the promotion of social inclusion actions devised in the project's conception, innovation from the incorporation of artificial intelligence associated with the proposed solutions, as well as making use of the technical knowledge learnt in an integrative way, based on can-do culture, from the stimulus to the use of augmented reality provided by the use of Minecraft Education Edition with the development of the project carried out in a total of 56 hours of targeted activities.

### Main objectives

- Collaborative learning
- Developing vocational education competences
- Use of technology/tools to enhance learning
- Digital skills and competences needed to develop students in education vocational
- Sharing and access to other students
- Inclusion of educational, social and environmental themes in the project

### Additional benefit of TVET use

- Innovative experience using Minecraft for learning in vocational education
- Dynamic learning
- New practices for the trade sector
- Stimulating the construction of knowledge in a virtual environment  
Encouraging the use of the virtual environment, based on Minecraft Education Edition, as a tool for developing

technological competences and associated technical knowledge.

- Promoting a systemic vision of society  
Technically innovative solutions were implemented, based on social, environmental and technological

### First steps

- Step 1: Definition of the generating theme
- Stage 2: Establishing the division of teams into committees and team rotation
- Stage 3: Analysing case studies and proposing solutions using Design nThinking
- Step 4: Creating the Terra do Sol SuperLab in Minecraft Education Edition
- Stage 5: Presentation of the "Terra do Sol

## Provider profile

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The National Commercial Education Service (Senac) is nationally recognised for being the institution of tradition and quality in training Brazilian society for the labour market, especially in the trade, goods and services sector. It is an institution that has been in existence for over 70 years and whose main social objective is to train people for the world of work with qualifications, competence and social responsibility, and which is continually concerned with the use of innovative technologies to bring to the market the most contemporary and up-to-date commercial practices.

In Rio Grande do Norte, Senac plays an important role in training qualified labour for the job market, especially in its main area of activity which is the Management and Business segment, seeking to promote, through quality professional education, the insertion of professionals who are ever closer to the needs of the job market

## Contact

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Name of organisation: Serviço Nacional de Aprendizagem Comercial - Senac - Natal- CEP Zona Norte

Name of contact person: Henrique Clementino de Souza

Address: Rua Jerônimo de Albuquerque, 3598, Candelária, Natal, Brazil.

Telephone: 55 (84) 99902-7517

E-mail: henriques@rn.senac.br

E-mail address: www.rn.senac.br

The **International Roadshow ‘Use of Digital Media in TVET’** has been initiated by the **Federal Institute for Vocational Education and Training in Germany (BIBB)**.

The format aims to show the potential of digital applications and technologies for teaching and learning in TVET and identify viable solutions for their sustainable integration into TVET practice. In the context of digitalisation and technological change across all areas of life, the use of digital media is also growing in significance for the TVET system. Digitally supported education and training can help to strengthen individual skills and competencies for the beneficial and responsible use of digital technologies in all areas of life, make learning more flexible and enhance the quality and attractiveness of TVET.

The format builds on the German Roadshow „Digital Media in TVET“, which has been successfully implemented and conducted since 2016 by the Federal Ministry of Education and Research in Germany (BMBF) in cooperation with BIBB.

You can find more background information on the initiative, selected projects and future events on the website: <https://www.bibb.de/en/182468.php>