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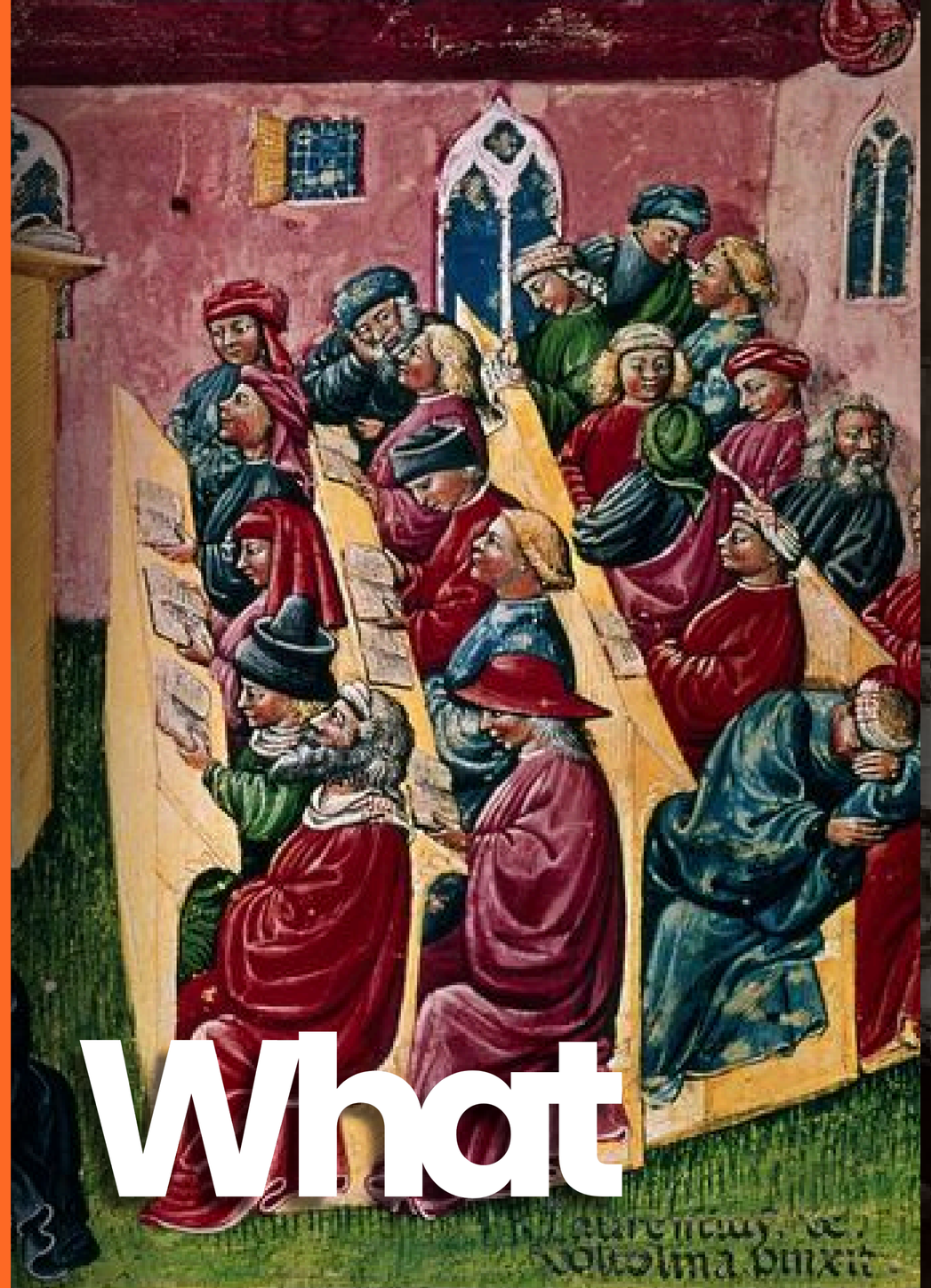
MD Tech Learning Fusion

Qualify,Inclusion and Empower of Education


What



What has

What has changed?

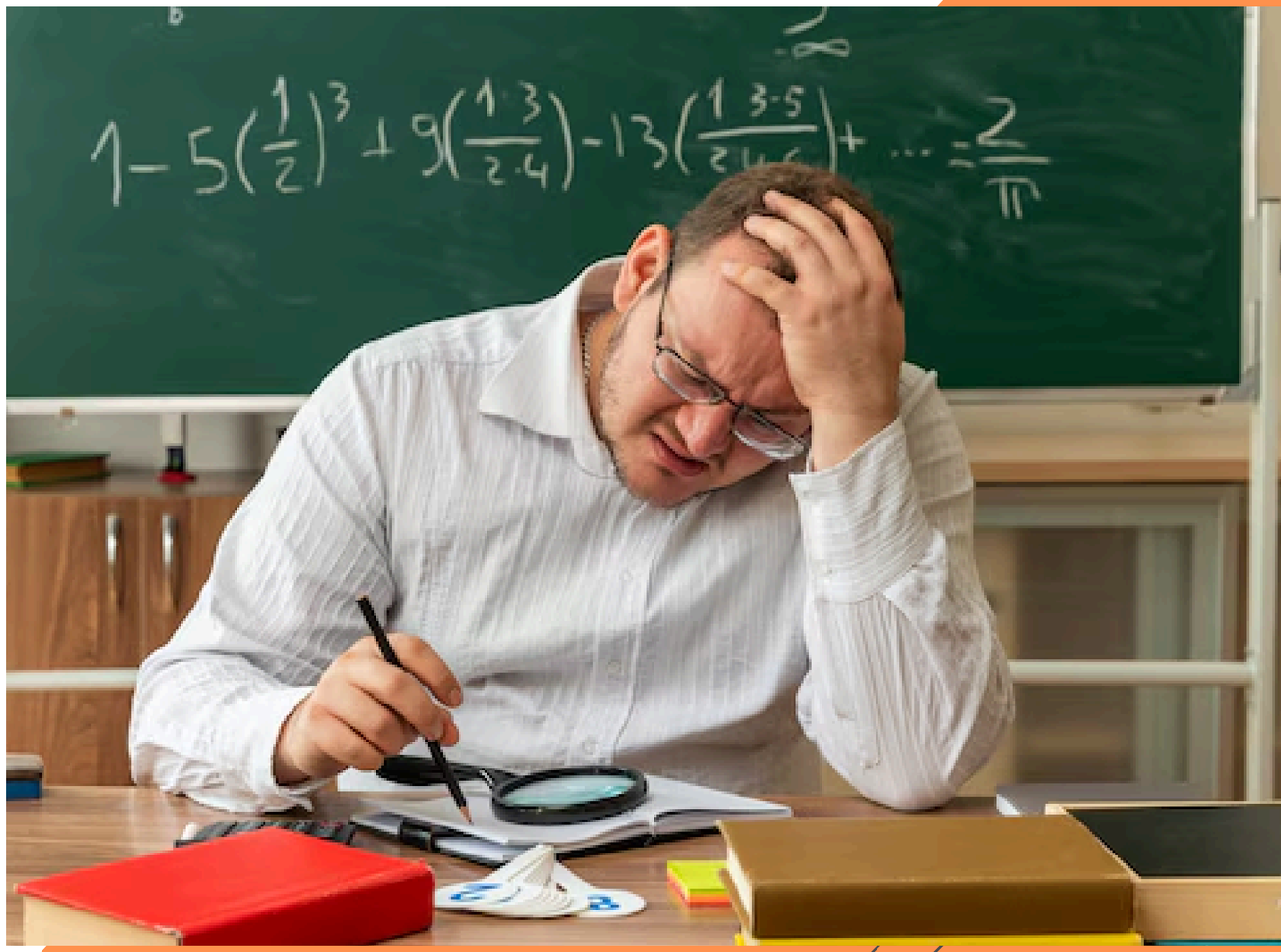
Problem

Teachers' difficulty in adopting new methodologies

Lack of preparation for the demands of Industry 4.0

Lack of technological resources

Low budget



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• Solution

47.3 million
of **students**
affected

*only in Brazil(Ministério da Educação)

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Solution

integration of AI manufacture technologies and STEAM

Innovation

Learning digital resources, project-based learning, online collaboration and social learning

Infrastructure

Flexible learning environments, connectivity, devices and equipment

New Skills

Student-focused pedagogy, assessment and adaptive feedback, instructional design

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Solution

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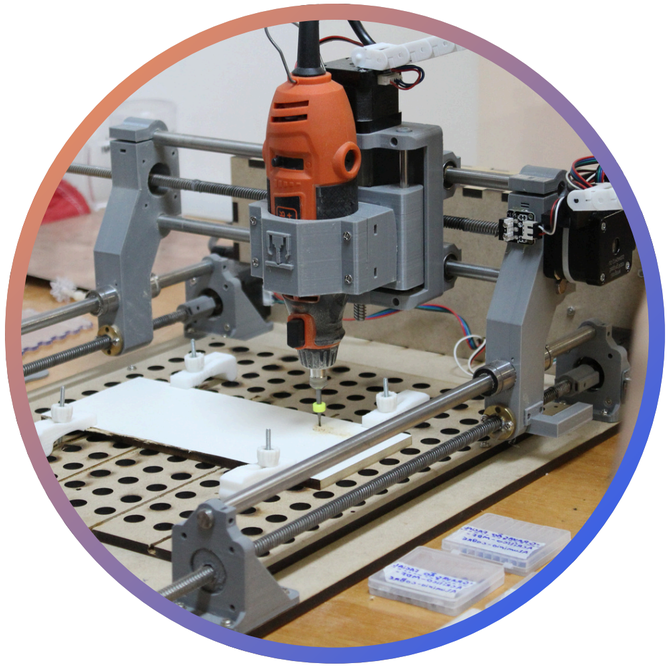
Educational Plataform 5.0

• Solution

Educational Plataform 5.0

Educational Methodology



Educational Tool

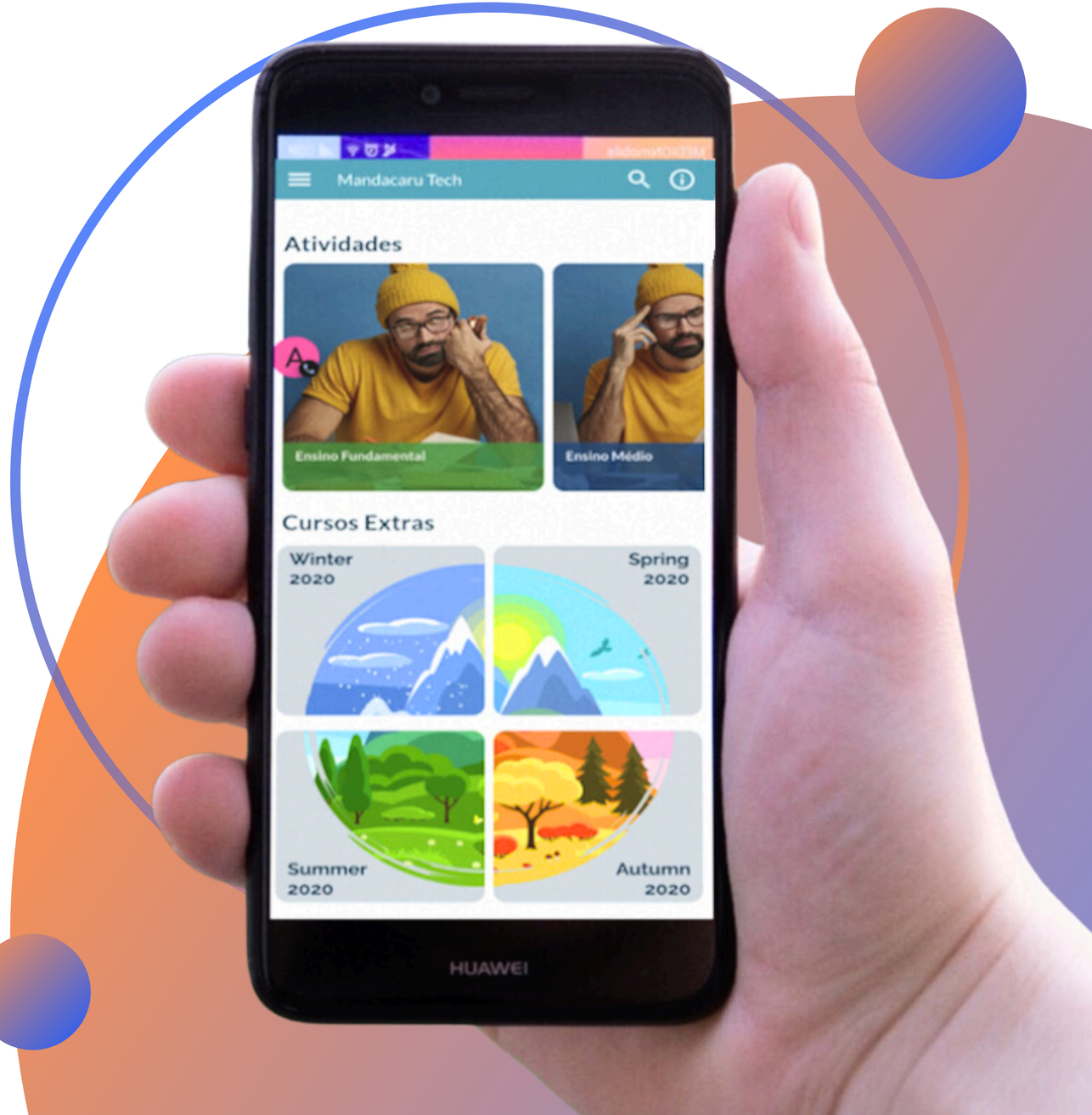
Collaborative Platform

App

Personalized Learning Paths

Real-Time Progress Monitoring

Sustainable Practices Integration



Goal

Partnerships with public schools

Reaching Classes C, D and E

Provision of free educational resources

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• Social Impact Startup •

Busines model

Company and goverment that want to archive the SDG

An advanced impact methodololy to report the social transformer by education

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Impact Measurement

Monitoring

- student's academic performance
- school retention rates
- teacher engagement
- platform user feedback

SROI

Social Return on Investment

social value relative to the investment made

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SDG

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THE GLOBAL GOALS

1 NO POVERTY

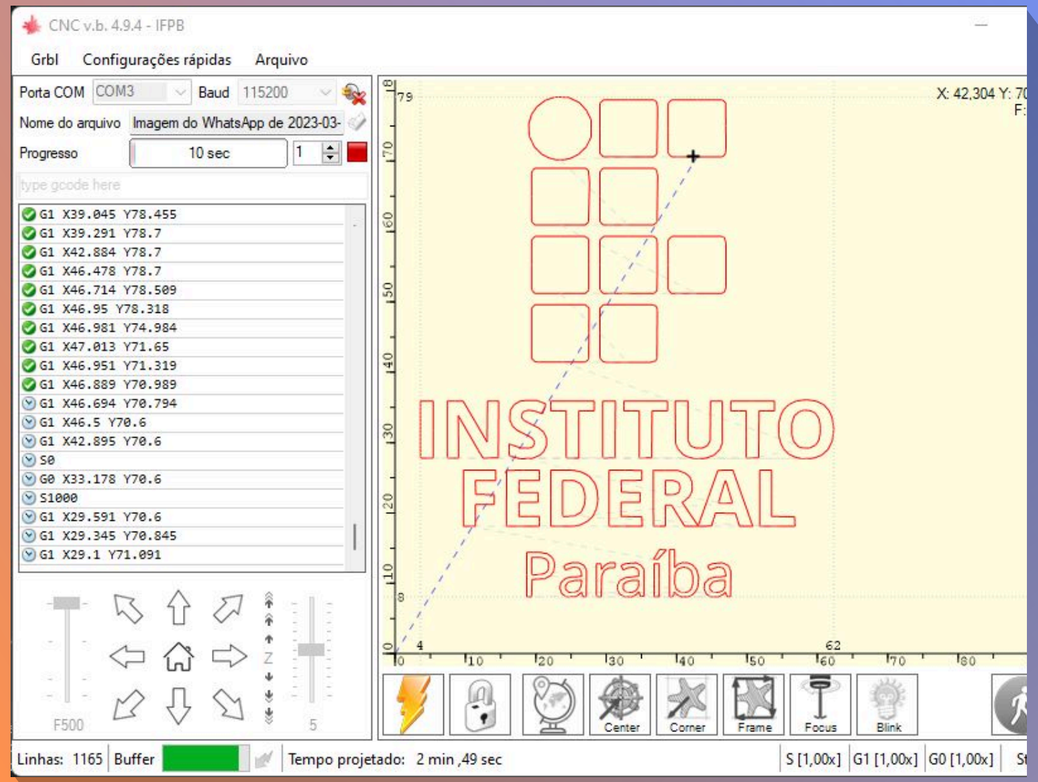
4 QUALITY EDUCATION

8 DECENT WORK AND ECONOMIC GROWTH

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

10 REDUCED INEQUALITIES

Software



- **Mobile**
- **Data and Images**

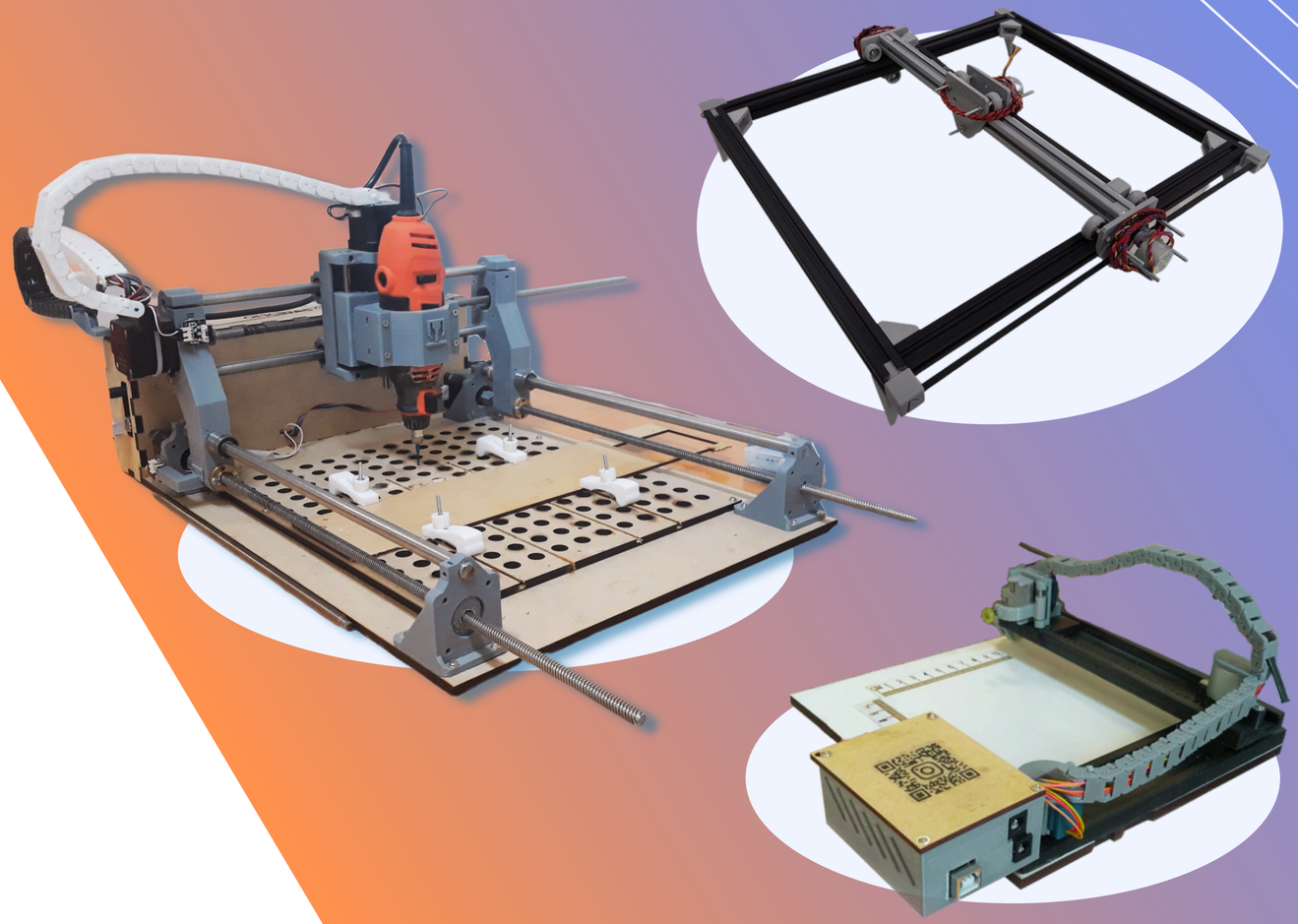
  Huawei Container | Cloud
- **MD Tech AI**

  Development of activities

Feasibility

Prototypes, meticulously developed during the project's lifecycle, showcase the practicality of the integrated solution, serves as a testament to the viability of Learning Fusion in real-world educational settings.

Prototipes



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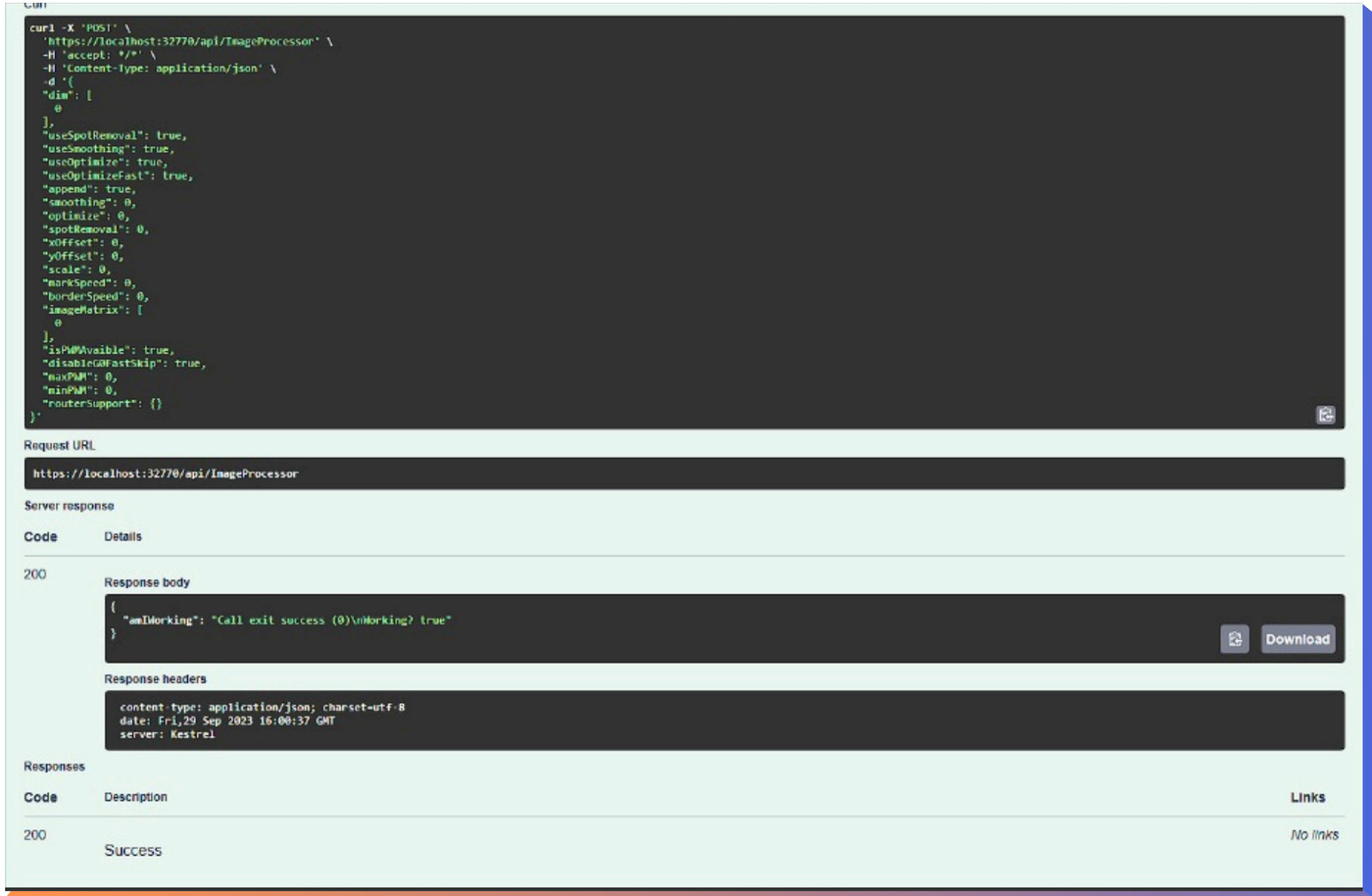
API

Our API empowers the CNC operations



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Our AI

Educational generative AI
for **web** and **mobile**

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Key Technologies

We use **advanced algorithms** to create **personalized educational**

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Training AI

Data

Textbooks, test questions, practical exercises and study materials

Organization

The data was organized and annotated with relevant metadata, such as discipline, difficulty level and topic.

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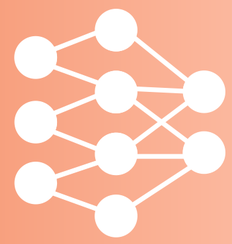
Training AI

Generative Adversarial Networks (GANs)



two neural network models – a **generator and a discriminator** – are trained simultaneously

New data samples are simultaneously **created** and **evaluated** against real data

Models continually adjust to improve the **quality and authenticity** of generated examples

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• Training AI

dversarial Networks (GANs)

New data samples are simultaneously **created** and **evaluated** against real data

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Stored and managed in our MySQL database

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Key Technologies

Others

ESP32, MQTT, Huawei API Gateway, Huawei Cloud, Huawei Content Delivery, MySQL e MongoDB

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Meet the Team

Coordinator

Filipe Lucena

Electrical Engineer

Strategic management

Gabriel Ferreira

Eletrical and Computer technician, Civil Engineering student

Hardware

Emerson Medeiros

Electrical technician

Software

Manoel Victor

Software engineer and Civil Engineering student

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Thank you!
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