Cobie AI - an AI assistant for Coding Classes

Programming in Blockly and Python with AI support

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Quick evolution of the platform

- **1-on-1 mentoring** as user experience
- **Blended learning**
  - Two roles
    - 1 teacher, 1 instructor
  - Centralized insight for instructor
- **Whole class 1-on-1 mentoring using Cobie AI**
  - 1 mentor does it all
- **Interviewed teachers to find** -> best suitable content and tools

Benefits of Cobie AI

For teachers:

- **Monitor the whole class**
- Direct communication with each student
- Real-time code insights of all participants
- Ready-made **AI-supported** content (tasks, solutions / code, messages)
- Blended learning
- Multi-language
- **Cloud** infrastructure (Lower cost)

For students:

- **Integrated Communication** within the learning process
  - personalized communication with teacher
- Full-blown IDE (environment) in Cloud
  - support for block based programming
  - Tasks with context

What is Cobie AI?

Content

Live Synthetic Lecture

Automatic Suggestions

"There is an <a> tag missing in your code."

Smart Communication

Check the error in this line.

Thanks, I can see it now.

Synthetic videos

Infra-structure

Smart Classroom

Smart Code Checkers

Content Producer

Code Editor Extensions

Value for Education

- **Automatisation** of repeatable **tasks and assignment checking**

- With Cobie AI assistant teachers become more like **motivators**

- **Insight** into the student's learning process

- Support for **heterogeneous groups**

- **Scalable and personalised** content creation

- **Smooth transition** in blended learning environment

Contacts

- **More information** (also for Interpädagogica):
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