

# Incomplete PI Documentation

Links:

*In the provided code, the webhooks are set active in n8n, so in testing cases trying to run the code everything should work!*

- Code: <https://github.com/Flarlzesz/Incomplete-PI>
- Pitch: [https://youtu.be/6yMk\\_bEkKSs](https://youtu.be/6yMk_bEkKSs)

## Progress Dashboard

- Displays a detailed performance graph showing "% Average Submitted Solution" across exercises which in a way acts as a motivator for the student.
- Tracks progress over time (showing 15 exercises in the example)
- Summary statistics including:
  - Solved Exercises (15)
  - Average Accuracy (84%)
  - Completed Topics (3)

## Exercise Generation

- Allows users to select specific math topics and specify the number of exercises needed
- Includes an optional notes field for customization (e.g., "Include word problems, no equations with two variables...")
- Generates practice worksheets in PDF format
- Strictly follows the exercise creation based on a vector database that has official Latvian documentation about Optimal level maths.
- All of the generated exercises get appended to spreadsheet.

## Solution Checking

- Enables students to upload photos of their completed work that gets checked
- Provides feedback on submitted solutions
- When submitting a image of a solution to an exercise, AI automatically decides which exercise this solution resembles and based on that information checks if the students solution is correct. If it is not, then AI analyzes the mistakes the student did and adds to weak\_points spreadsheet.

## Weak Points Identification

- Creates targeted worksheets focusing on areas where the student struggles, using the weak\_points spreadsheet
- Generates downloadable PDF

