




DAILY CHALLENGE HUB

An Interactive Hub for Student Engagement





WHAT PROBLEM DO WE SOLVE?

- **Students lack motivation outside of classes.**
 - **Unused potential of grids in the corridor**
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SOLUTION

Daily Challenge Hub = Interactive board/monitor with daily challenges

- **Every day students will see new challenge of the day.**
- **Try to solve it if you are brave enough**

GAMIFICATION



Why students will love it

- **Mini-ranking: top-5 weekly/monthly solvers.**
- ***Thematic days: math, logic, algorithms.**
- ***Push notifications: get the challenge on your phone.**
- *** - ideas that might be added**

TECHNICAL IMPLEMENTATION



**HARDWARE: MONITOR
+ MINI-PC*
(RASPBERRY PI)**

**SOFTWARE: PYTHON/
SMALL WEB SERVER.**



**INTERACTION: QR
CODE → WEB PAGE FOR
SOLVING
TASKS/MONITOR YOUR
RATING.**

IMPLEMENTATION STEPS

- **Concept (done).**
- **Prototype: UI mockup + wiring scheme.**
- **Online demo: short video/animation.**
- **Campus testing.**



THANK YOU FOR YOUR ATTENTION!



задача

список
решивших

топы за месяц.
или за всё
время

