



# AI Project

Mida tutvustada:

<https://aistudio.google.com/>

<https://aimusic.so/app>

<https://suno.com>

<https://gemini.google.com/app>

<https://openai.com/chatgpt/>

<https://openart.ai/>

Midagi lõbusat:

<https://aimusic.so/music/2718243-Dream-Coders>

Sisend: Fun and upbeat song about vocational school students who want to learn AI and programming with their wonderful teachers.

## AI WORKSHOP 1. PÄEV

### 1. AI Tutvustus ja Rakendused 12.30-13.00

Gruppidesse jagunemine 6 gruppi (7-9 liikmelised)

#### AI Tutvustus

- Arutelu AI reaalsetest näidetest (nt isejuhtivad autod, Siri, soovitusüsteemid)
- **Ülesanne:** tutvusta AI alavaldkonda (Tiimide kirjelduses on Teie teema. Jätke Meelde!!)

### 2. Eetiline AI 13.00-14.30 | 14.30 Koguneme Ruumis K208

- **Fookus:** Tutvustage AI eetilisi kaalutlusi praktilise tegevuse kaudu.
- **Tegevus:** Õpilased kasutavad Code.org'i "AI for Oceans" programmi, et treenida AI-d kala ja prügi eristama piltidel. Arutelu masinõppe, andmete treenimise ja kallutatuse mõistete üle. Kuidas kallutatud andmed võivad mõjutada AI otsuseid?
- **Tegevus:** AI eetikadebatt

## AI ETHICS DEBATE IDEAS

### Prompt 1: The Trolley Problem in the Age of AI

- **Scenario:** An autonomous vehicle is driving down a narrow road when it suddenly encounters a group of pedestrians crossing unexpectedly. The vehicle must choose between hitting the pedestrians or swerving to avoid them, potentially causing a crash that could injure or kill the passengers.
- **Debate:** Should AI be programmed to prioritize human life, even if it means sacrificing the lives of the vehicle's occupants? What ethical frameworks should be used to make such decisions?

### Prompt 2: AI and Job Displacement

- **Scenario:** As AI becomes more advanced, it is expected to automate many jobs across various industries. This could lead to significant job losses and economic inequality.
- **Debate:** What are the ethical responsibilities of AI developers and policymakers to mitigate the negative impacts of job displacement? Should there be programs in place to help workers transition to new careers?

### Prompt 3: AI Bias and Discrimination

- **Scenario:** AI systems are trained on large datasets, which can inadvertently contain biases that reflect societal prejudices. This can lead to discriminatory outcomes in areas such as hiring, lending, and criminal justice.
- **Debate:** How can we ensure that AI systems are fair and unbiased? What are the ethical implications of using biased AI algorithms?

### Prompt 4: AI Autonomy and Accountability

- **Scenario:** As AI systems become more autonomous, it becomes increasingly difficult to determine who is responsible for their actions. This raises questions about accountability and liability.
- **Debate:** Should AI systems be held accountable for their actions, even if they are not explicitly programmed to behave in a certain way? Who should be responsible for the consequences of AI-driven decisions?

#### **Prompt 5: AI and Surveillance**

- **Scenario:** AI-powered surveillance systems are becoming increasingly prevalent in public spaces, raising concerns about privacy and civil liberties.
- **Debate:** What are the ethical implications of widespread AI surveillance? How can we balance the need for security with the protection of individual privacy?

#### **Prompt 6: AI in Warfare**

- **Scenario:** The development of autonomous weapons systems raises ethical concerns about the potential for unintended consequences and the erosion of human control over warfare.
- **Debate:** Should autonomous weapons systems be banned? What are the ethical implications of using AI in warfare?

#### **Prompt 7: AI and Consciousness**

- **Scenario:** As AI systems become more sophisticated, there is a growing debate about whether they could develop consciousness or sentience.
- **Debate:** What are the ethical implications of creating conscious AI? Should we grant AI beings the same rights and protections as humans?

These prompts offer a variety of ethical dilemmas that can be explored in an AI ethics debate. By engaging in thoughtful discussion and debate, students can develop critical thinking skills, understand the societal implications of AI, and learn about ethical frameworks.

### **3. AI-ga Toetatud Uurimis- ja Faktikontrolli Ülesanne 15.00-**

#### **Ülesande Kirjeldus:**

## Uurimisteema:

- **Autoriõigus:** Uurige autoriõiguste jõustamise väljakutseid digitaalses ajastus, eriti seoses veebisisuga.

## Ülesanne:

1. **AI Uurimine:** Kasutage AI tööriistu (nt ChatGPT, Google Search) oma valitud teema kohta teabe kogumiseks.
2. **Faktikontroll:** Kontrollige leitud teabe täpsust usaldusväärsete allikate abil (nt valitsuse veebilehed, akadeemilised andmebaasid, mainekad uudisteväljaanded).
3. **Analüüs:** Analüüsige kogutud teavet ja tuvastage kõik erinevused või vastuolud
4. **Esitlus:** Looge esitlus või aruanne, mis koondab teie leiud ja järgitud protsessi.

Lisa uurimist

## Oskuste arendamine Alexaga

- **Fookus:** Õppige, kuidas AI töötab, luues lihtsa Alexa skilli.
- **Tegevus:** Õpilased uurivad Alexa Skill Blueprints'i ja loovad kohandatud oskuse (nt mäng, lugu või nimekiri). Arutelu selle üle, kuidas AI mõistab kasutaja sisendit ja genereerib vastuseid.

## AI Kunstigalerii

- Tutvusta DALL-E 2 ja selle võimalusi
- Juhi õpilasi unikaalsete AI-generaalsete kunstiteoste loomise kaudu
- Arutelu AI rolli üle loomeprotsessis ja eetilistel kaalutlustel

## AI Mänguarendus

- Tutvusta TensorFlow.js ja selle rakendusi mänguarenduses
- Juhi õpilasi lihtsate AI-kontrollitud mänguelementide loomise kaudu
- Arutelu AI kasutamise väljakutsetest ja eelistest mängudisainis

## AI Chatbot Challenge

- Tutvusta loodusliku keele töötlust ja dialoogisüsteeme

- Juhi õpilasi lihtsate chatbotide loomise kaudu
- Hindage chatbot'i jõudlust ja arutage parandamise võimalusi

## AI WORKSHOP 2. PÄEV

### Grupp 1) Custom File Sharing Platform

- **AI Help:** AI assists in generating the code for secure file uploads, handling file storage, and setting up a user management system.
- **Project Focus:** Build a web app that allows users to upload and share files with others through generated download links with expiration dates.

### Grupp 2) Task Management Tool

- **AI Help:** AI helps by suggesting project structures, auto-generating user interfaces, or creating database schemas for handling tasks and to-dos.
- **Project Focus:** Develop a tool to manage tasks, set deadlines, and track progress for teams or individuals, with features like notifications and task priorities.

### Grupp 3) Personal Budget Manager App

- **AI Help:** AI can assist in generating code for features like expense tracking, charts, and data visualization during development.
- **Project Focus:** Create a simple app that helps users track their spending, categorize expenses, and set budgeting goals.

### Grupp 4) E-Commerce Product Inventory System

- **AI Help:** AI can help by generating SQL queries, setting up the database schema, and automating some repetitive coding tasks during development.

- **Project Focus:** Build an inventory management system for small e-commerce platforms, including stock tracking, order processing, and product categorization.

## Grupp 5) Trivia Game App

- **AI Help:** AI helps generate the question database, suggest algorithms for scoring, and create UI components for the quiz game.
- **Project Focus:** Create a trivia game where users can play solo or with friends, answer random questions from various categories, and keep track of their scores.

## Grupp 6) Expense Splitter App

- **AI Help:** AI assists in code generation for calculation logic, user interface design, and database setup.
- **Project Focus:** Build an app that allows groups of friends or roommates to split bills and expenses, track who owes what, and settle payments.



## Kriteeriumid

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- Esimese päeva info, tegevused ja tulemused Github Wiki-sse.
- Koodis kommentaarid → mis osa mida teeb (Teie enda kirjutatud koos seletustega.)
- Projekt töötab kõikide liikmete arvutis.
- Projekt on dokumenteeritud → Mida ja kuidas küsisite AI käest, Kuidas saite kasutada infot, Mis AI-d kasutasite jne.
- Dokument ülevaatest, et kes mida tegi, mida õppis uut.
- Projekt Zone-s Lives, Github repo edastatud.



## Problem Statement

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## In Scope

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## Out of Scope

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## Risks

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## Open Questions

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## Documents

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 Pre Planning

 Project Plan

 Timeline

 Updates

 Meeting Notes

 Research

 Retro

## Project Team

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 **Project Manager:** NAME

 **Tech Lead:** NAME

 **Designer:** NAME