

# CS491 - Fall 202 - Project Information

## Form

*Please fill the form for your CS491 Design project.*

*It is sufficient for one team member from each team to fill out this form.*

**\* Required**

**Email**

**[efe.kaan.fidanci@gmail.com](mailto:efe.kaan.fidanci@gmail.com)**

**Name of the Project \***

*Aim for a short, unambiguous, and memorable title for your project/team. Your project name should reflect what makes your project unique.*

**Your answer:** LearnSmart

**One paragraph description of the project \***

*You should write a high-level summary of your project. It must be very-well written and checked many times. Avoid going deep into details or background of the problem you volunteer to solve. Remember the elevator speech and pitching concept, use it.*

**Your answer**

LearnSmart is a web application designed to enhance students' academic performance through advanced learning tools. By incorporating technologies such as LLMs, LearnSmart helps students grasp course materials more thoroughly by offering explanations on a page-by-page or holistic basis for study resources like textbooks, slides, and syllabi. Interactive features like flashcards, quizzes, and custom study schedules help students stay organized and improve retention. LearnSmart will also offer statistics that will help students analyze their work; for example, from the time that students took the course, a graph of overall success will be displayed. Moreover, recharge tests based on what the student has done wrong will be recommended to the student. Moreover, features will include a skill tree model, which generates subject-based skill trees that evolve as students complete quizzes, and a report-project checker that verifies the alignment of reports with projects using data from public GitHub repositories. LearnSmart will be an extensive framework integrating multiple tools, including the skill tree and report-project checker, to support student learning.

**Supervisor Name and Lastname: \***

**Your answer:** Doruk Öner

**Innovation Expert Name and Lastname: \***

**Your answer:** Tuğba Kınaoğlu Kılıç

**The URL of the Project Web Page: \***

**Your answer:** <https://inek-arkadaslari.github.io/learnsmart-project-site/#>

**Team Member 1 StudentID,Name,Surname: \***

*Please,use,comma,as,separator*

**Your answer:** 22003206, Cahit Ediz, Civan

**Team Member 2 StudentID,Name,Surname: \***

*Please,use,comma,as,separator*

**Your answer:** 22003214, Görkem Kadir, Solun

**Team Member 3 StudentID,Name,Surname: \***

*Please,use,comma,as,separator*

**Your answer:** 22102505, Murat Çağrı, Kara

**Team Member 4 StudentID,Name,Surname: \***

*Please,use,comma,as,separator.*

**Your answer:** 22102589, Efe Kaan, Fidancı

**Team Member 5 StudentID,Name,Surname: \***

*Please,use,comma,as,separator*

**Your answer:** 22103163, Bilginer, Oral