

CS491 - Fall 2025 - 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 *

canberk.ozba@ug.bilkent.edu.tr

Name of the Project *

Moo-tion

One paragraph description of the project *

Moo-tion is a camera-based herd management system intended to support efficiency and data-driven practices in dairy farming. Our goal is to automatically detect estrus periods, predict calving, and track each cow's activity using computer vision. The system identifies and counts animals through visual tags and sends instant alerts to a mobile app when a cow is in heat, close to calving, or missing. By combining multiple monitoring tasks into one platform, Moo-tion helps farmers save time, prevent missed cycles, and improve both productivity and animal welfare.

Supervisor Name and Lastname:*

Doruk Öner

Innovation Expert Name and Lastname:*

Bayer Niyazi Kılıçkaya

The URL of the Project Web Page:*

Your answer

Team Member 1 StudentID,Name,Surname:*

22202233,Emir,Eroğlu

Team Member 2 StudentID,Name,Surname:*

22101815,Canberk,Özba

Team Member 3 StudentID,Name,Surname:*

22103833,Ahmet Burak,Kılıçkaya

Team Member 4 StudentID,Name,Surname:*

22102919,Muhammed Enes,Şahin

Team Member 5 StudentID,Name,Surname:*

22002460,Mert,Özkaya