Dear Students,

As part of your final project, you now have the opportunity to select one of two available projects. Each project is designed to help you apply the key concepts you have learned throughout the course in a practical and engaging way.

You may choose one of the following two projects:

1. **Sports Motion Detection & Viewport Tracking** (Image processing focused)
   Develop a system that processes a short sports video to detect motion and track the primary area of activity. The system will simulate a "virtual camera" that smoothly follows the action using image processing techniques.
2. **Self driving car simulation** (AI focused)
   Develop a neural network model to control a self driving car. The goal is to determine the appropriate steering angle using images captured from the car's front camera to ensure the vehicle stays on the road.

All projects must be submitted by Friday, August 15th, 11:59 PM. No extensions will be granted unless previously approved for exceptional circumstances.

Submission Notes

- You may complete the project individually or in a group of **up to three students**. Only one person from each team should submit the final project. All team members' contributions must be clearly outlined in the project documentation, and individual contributions should also be visible through the Git commit history.
- Submit your project as a single ZIP file including your code, sample outputs, and a short readme and documentation file. Alternatively, you may submit your project via a GitHub repository. Ensuring the repository is accessible will be the student's responsibility.
- Make sure your code is well documented and easy to follow.

If you have any questions about the projects or need help deciding which one to choose, feel free to reach out during office hours or by email.

Good luck and enjoy the creative process!