



Instituto Politécnico Nacional  
Centro de Estudios Científicos y Tecnológicos 9  
"Juan de Dios Bátiz"

**Inglés V**

**Written report Aula Project**

**Alumnos:**

Jara Hernández Carlos Sebastian

Molina Fernández Cristopher Ian

Reyna Juárez Javier

Ruiz López Victor Manuel

**Grupo:** 5IM9

**Profesor:** Jose Luis Guerrero Cervantes

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## **UxerSii**

Our project focuses on addressing the issue of food waste in Mexico City. The goal is to give a second life to perishable foods by either donating them to shelters or public centers or selling them at a significantly lower price. This is achieved through the implementation of mobile points where individuals can physically drop off their food items. The main function of the web application is to provide information about the locations of these mobile points based on the user's location and facilitate the scheduling of donation or sale appointments. Additionally, our application features a support chat for addressing any questions or providing assistance if needed.

The web application operates by allowing users to locate nearby mobile points through their current location. Users can then schedule appointments for either donating or selling food items at these points. The inclusion of a support chat enhances user experience by providing real-time assistance. Our project is divided into two phases: the first, which we have completed this semester, involves finalizing the web application. The second phase, scheduled for the next semester, entails creating a mobile application and implementing an AI system that uses the camera to determine the optimal condition of food items for donation or consumption. This two-part approach aims to go beyond automation and actively contribute to addressing the food waste issue.

One of the major challenges we faced during the development of this project was determining a concrete strategy to tackle the issue, rather than merely automating processes. Time constraints posed another significant challenge, given the project's division into two semesters. The first semester focused on developing the web application, while the second semester will involve creating a mobile application and integrating an AI system. Despite the time limitations, effective team organization, communication, and collaboration were key to overcoming these challenges. Regular communication with our project supervisor provided valuable feedback and guidance, contributing to the successful completion of our objectives for this semester.