Camel Detection on Travel Road

# Dataset Overview:

The dataset is about an images of camels that collected manually and from existed datasets.

# Model introduction:

YOLO models are designed to detect objects in images and videos efficiently by applying a single neural network to the entire image, making it suitable for applications requiring real-time performance.

# Problem:

Saudi Arabia presents a case of habitat fragmentation, especially in rural communities, where good road systems coexist with domesticated camels. This environment has made camel-vehicle collisions inevitable.

# Solution:

Design and implement a camel detection model capable of accurately identifying camels in the road.

# Result:

The development and implementation of the camel detection and management system on travel roads successfully addressed the challenges associated with camel presence.

# Group #2

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| **Tasks** | **Team Members** |
| Project Idea Selection | Ziyad AlAnazi |
| Data Collecting | Amani & Rahaf & Ziyad |
| Labeling The Data | Rahaf AlMutairi |
| Reading The Data | Amani & Rahaf |
| Building & Training the model | Ziyad AlAnazi |
| Database Integration | Amani AlSubaie |
| Presentation | Rahaf AlMutairi |
| Report | Ranya AlGhamdi |