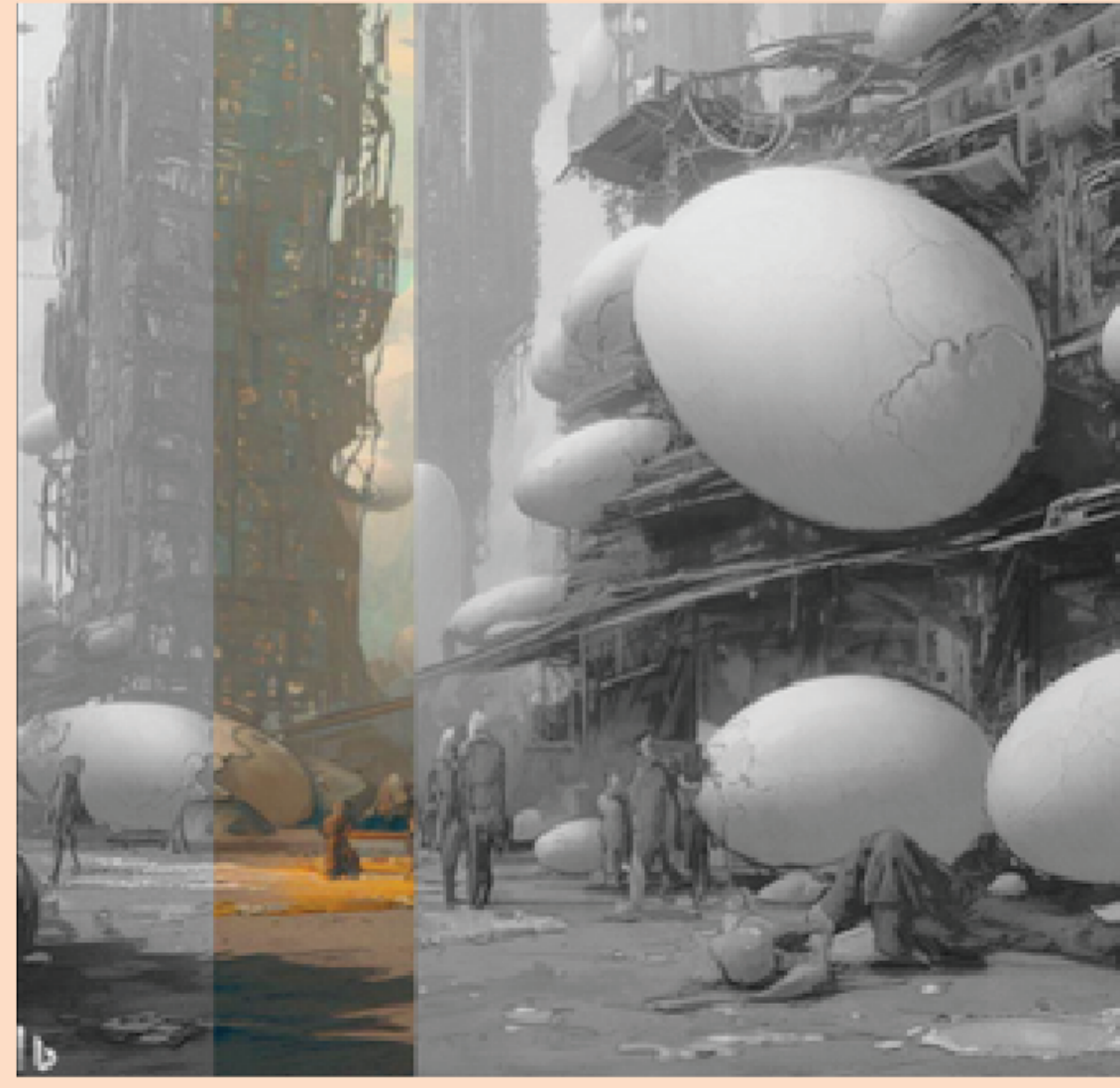


GENAI EGG WAR AND M.E.A.A

PROMPT ENGINEERING

1. Give enough **background context (5W1H)** and details so that the Large Language Model (LLM)'s result is specific
2. **Tokenisation:** Choosing careful nuances in words used to steer LLM to our specified desire outcome
3. **Temperature:** The higher the temp, the more diverse and random the results would be.
4. **Parameters:** Additional specifications to finetune results



positive and negative examples of AI-generated images

Please shorten the above to 450 words and make it more interesting by focusing on the role of generative AI

In a world governed by advanced technology, City S and City M, two major cities with a history of territorial disputes, found themselves on the brink of war. The catalyst for this use of parameters

M.E.A.A GOOR

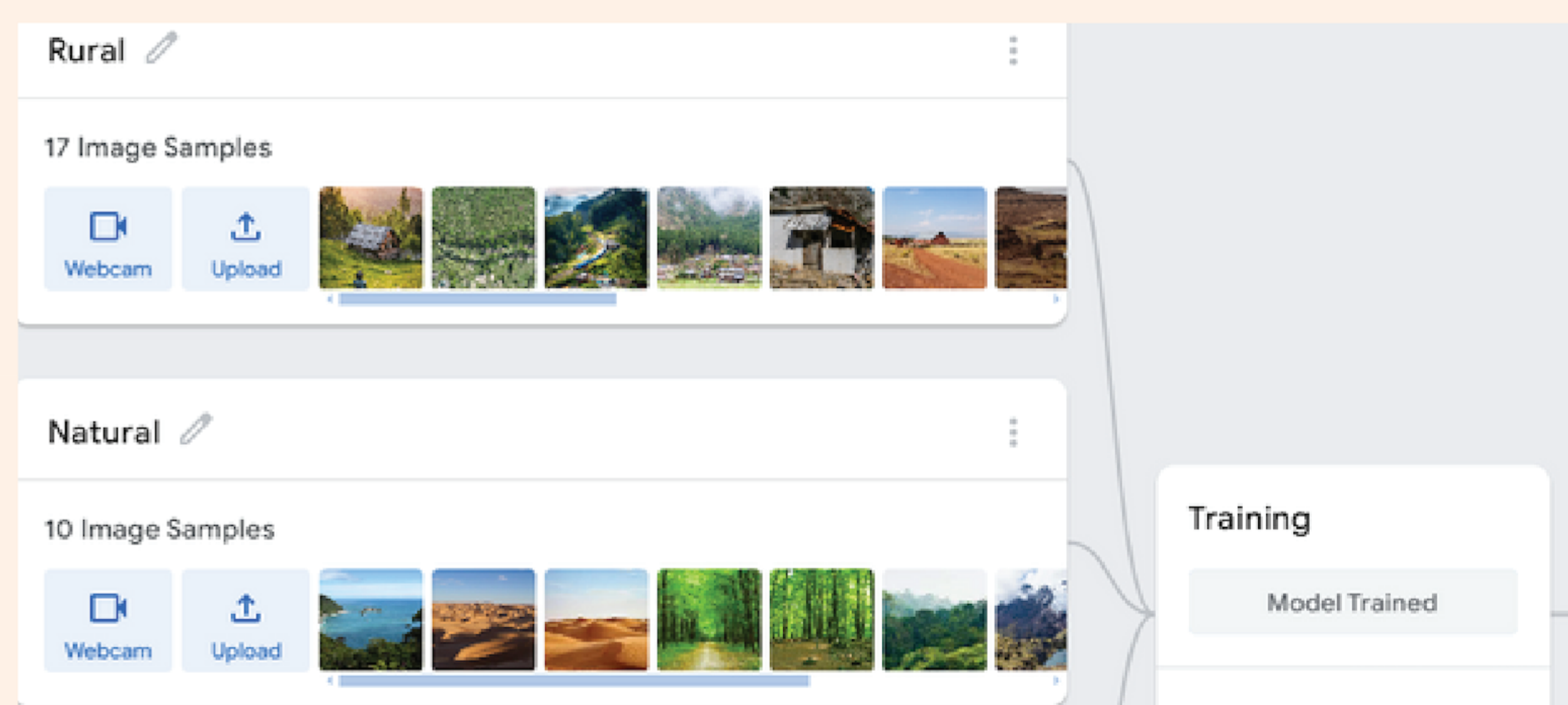
Introducing M.E.A.A - the Military Environment Analysis Algorithm. Powered by advanced AI and precise image recognition technology, M.E.A.A rapidly **detects and analyzes diverse environments from uploaded images**. Military personnel could leverage this **to enhance battle plans, logistics, and equipment advantage**, revolutionizing military operations.

The Future of Military Operation Planning

Home Upload Live-Image Capture Health Scheduling

Environment Classification

Utilising **Teachable Machine**, we trained **3 image-recognition models** taking into account **3 environmental characteristics:** Terrain, Landscape and Presence of snow. Using data in the form of pictures found on websites such as Pexels, we trained the models to classify any image uploaded into categories for these 3 parameters.



Using AI to Generate a Strategy

We then inputted the terrain characteristics into a Generative AI model (GPT Turbo 3.5) and entered three different prompts to **generate military strategies, equipment required and weaponry** that is optimal for that particular military environment. The AI that we used was trained on information found online, however, for the real algorithm, it would be trained on confidential and real military operations in the past for official strategies.

Example prompt:

You are an assistant helping the military of a country plan for a battle, given a description of the environment. Give us some battlefield strategies for an environment with these characteristics: Plains, Rural, No snow.

Future Expansions

We could have more factors considered in the generation of an optimal military strategy. These factors can include **temperature, weather, and wind**.

We could also utilise **more real-time data for the temperature and the wind from weather sites** to provide more up-to-date information and military advice.

Based on the advice given, more functions could be added, such as a training function which gives the military a training programme based on the type of warfare and offence strategy advised.

Additional Features

- Live-image capture
- Health and safety recommendations

Members:

Clarisse Tai, Raffles Institution

Lim Kang Ying, Raffles Institution

Liu Yu An, Raffles Institution

Nathan Chan Wei Jin, Raffles Institution

Tan Min Sen, Raffles Institution

Wayne William Loo Shyan, Raffles Institution