**Dataset Details**

• **Location and Timing:**

• **Location:** Various Plantations in Kerala and nearby areas.

• **Time Period:** Harvest season, July 2024.

• **Environmental Conditions:**

• **Tree Height:** 8 m to 22 m.

• **Weather:** Occasional clouds during daytime.

• **Image Collection:**

• **Total Images:** 170 RGB images.

35 Orange Coconuts and 135 Green Coconuts

• **Timing:** Between 12:00 to 16:30 (daylight hours).

• **Lighting:** Natural lighting conditions.

• **Camera Used:** iPhone 14 and iPhone 15

• **Resolution:** \*\*\*\*\*\*\*

• **Experimenter Position:** Standing on the ground near the tree trunk, pointing the camera upwards towards the tree crown.

• **Image Capture Details:**

• **Multiple Locations:** Images taken from various positions around the tree to cover different sections of the tree crown.

• **Variations in Lighting:** Images captured under different illumination conditions (frontal, back, and scattered lighting) due to changing sun angles.

• **Background and Shadows:** Images included variations in background conditions, shadows, and tree crown orientations.