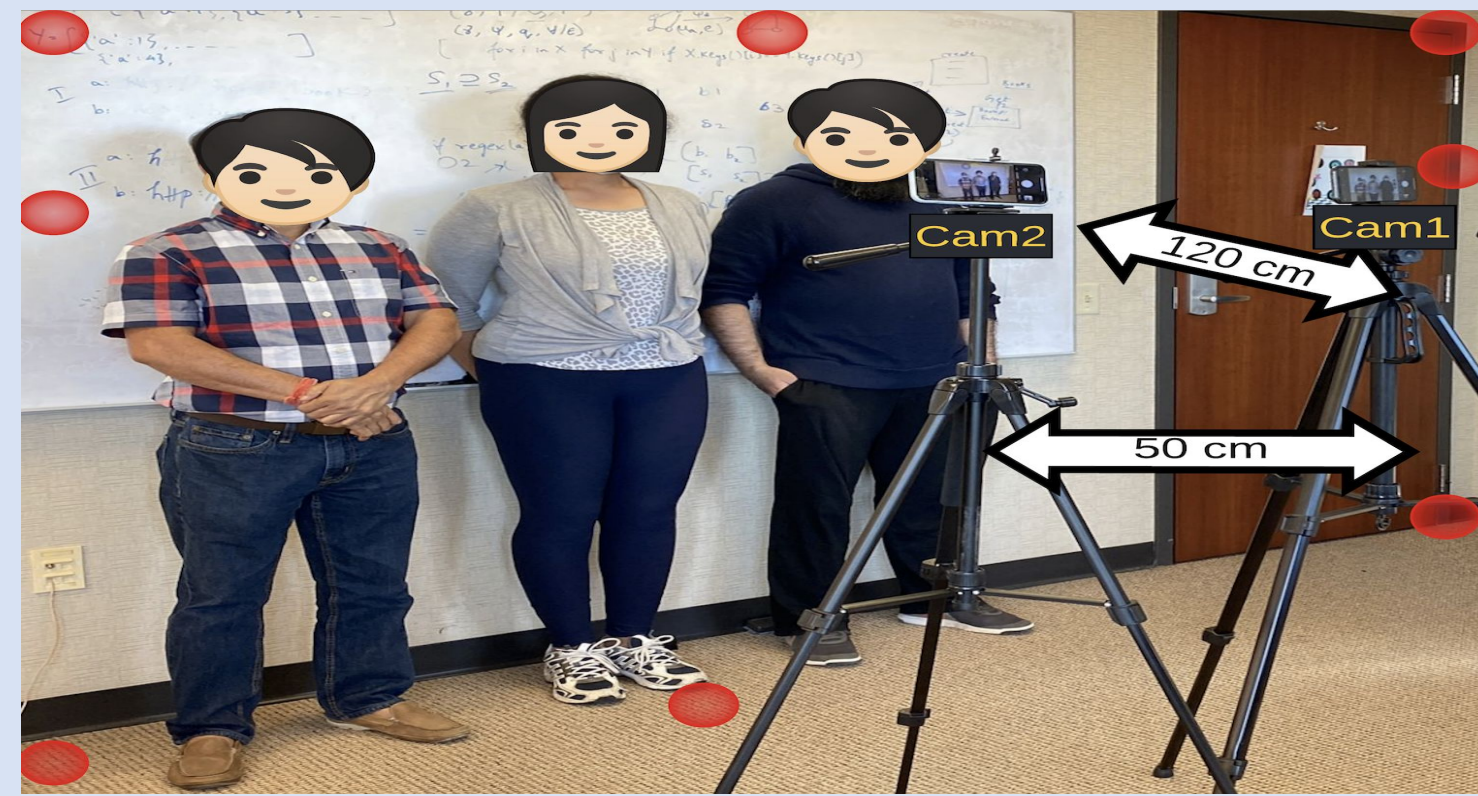


INTRODUCTION

- Do you take live photos in group setting?



- Are you happy with the representative image selected for that live photo?

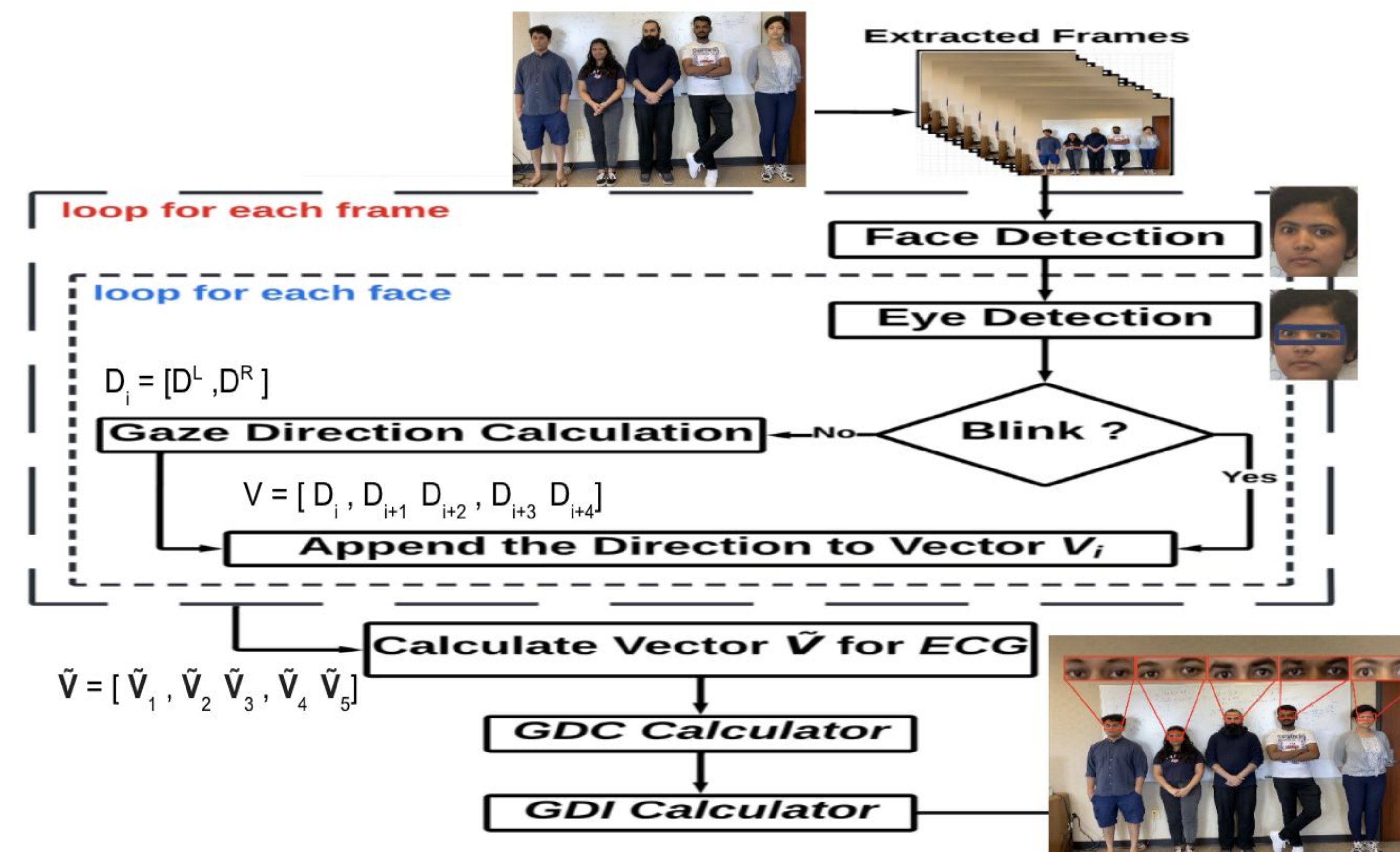


What is a Representative Image?

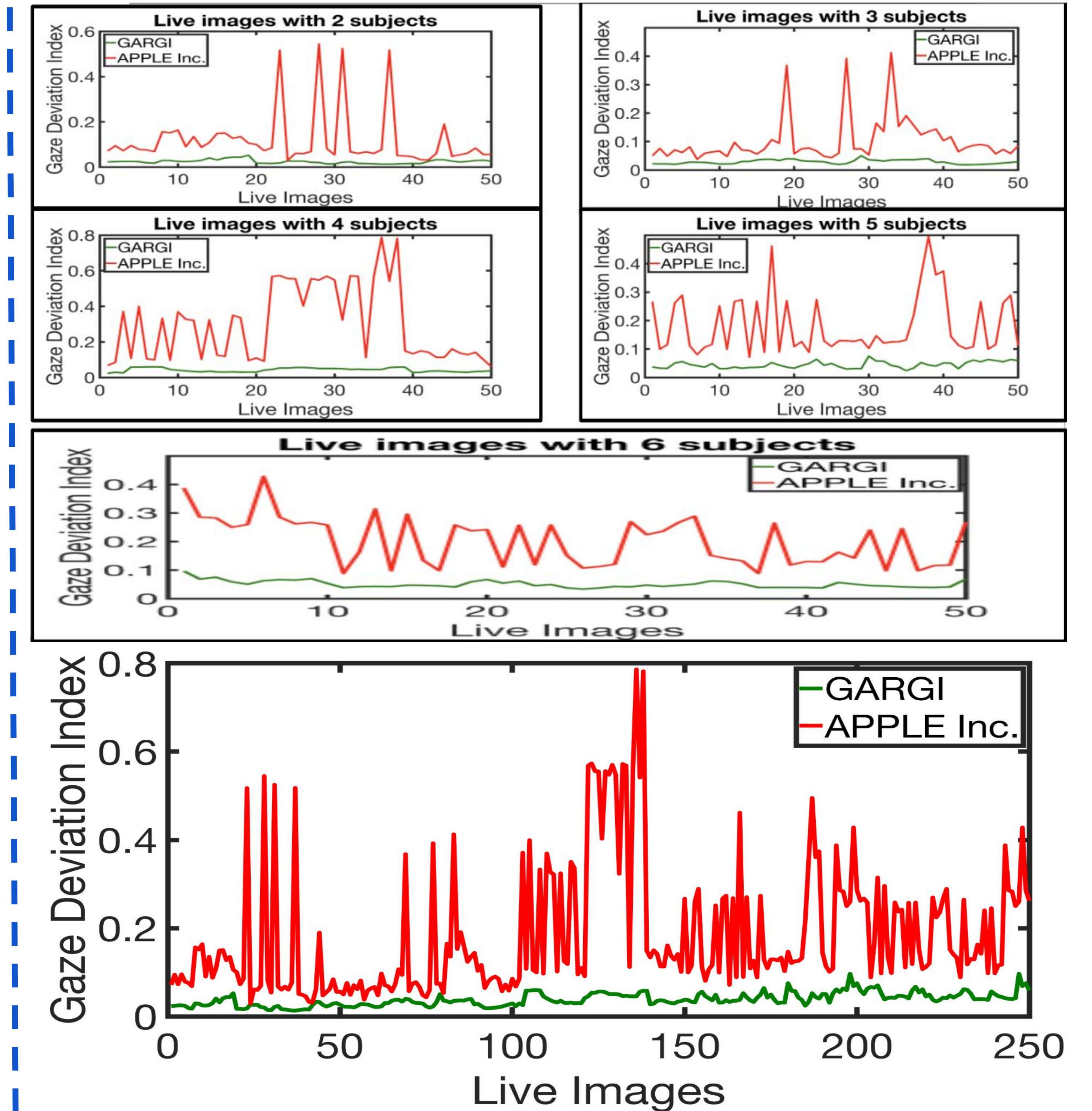
- Thumbnail selected based on array of images
- What you see when live picture is not running
- User can manually change the representative image

METHODOLOGY

- Gaze Aware Group Representative Image (GARGI)** is defined as the aesthetically better representative key image for a live photo that has the least Gaze Deviation Index (GDI)
- GDI** is a measure of cumulative deviation (*GDC*) of the gaze for all the subjects in a group live photo with respect to the Expected Collective Gaze (*ECG*)
- GDC** is the measure of gaze deviation for individual subject in a frame
- ECG** is the collective gaze direction where all the subjects in a live group photo were expected or intended to look



RESULTS



EXAMPLES



DATASET

Self Curated Live Photo Dataset
IRB Exempt
Face count ranges from 1 to 6

# Faces	# Live Images	# Frames	Avg. # Frames
2	50	4374	88
3	50	4487	
4	50	4486	
5	50	4384	
6	50	4227	
TOTAL	250	21958	

