



# Exhibit Documentation

**S13 Group 9**

**Gamboa, Jocson, Montenegro, Rebano, Yu**

**Before**



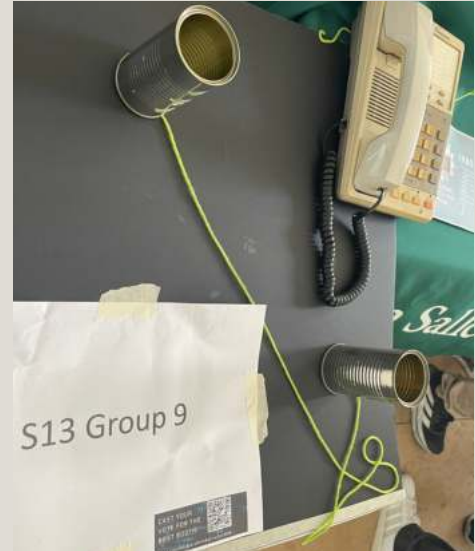
**Preparing the  
Tardis/Phone Booth**



**Placing components  
information cards**



**After**



**Booth Setup**





**Day 1 - 9:46 AM**



**Day 1 - 10:00 AM**



**Day 1 - 1:44 PM**



**Day 1 - 3:22 PM**



**Day 1 - 2:57 PM**



**Day 1 - 2:18 PM**



**Day 2 - 9:47 AM**



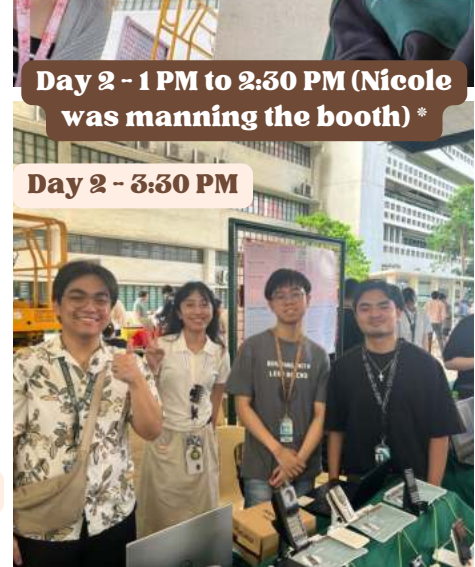
**Day 2 - 11:38 AM**



**Day 2 - 11:06 PM**



**Day 2 - 12:06 PM**



**Day 2 - 1 PM to 2:30 PM (Nicole was manning the booth) \***

**Day 2 - 3:30 PM**



**Day 2 - 12:42 PM**

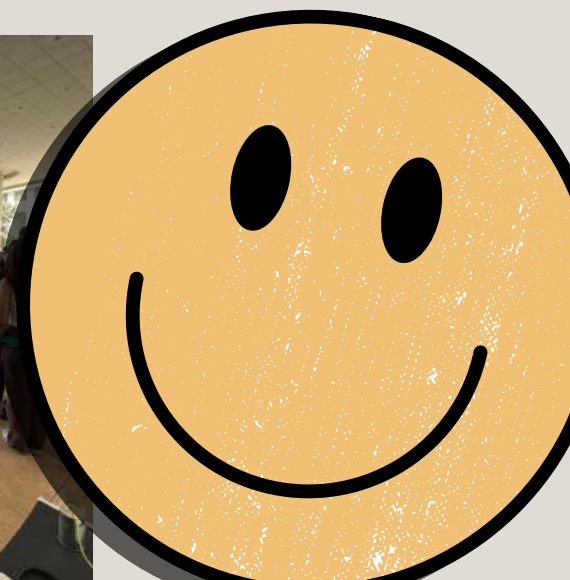
## Members Manning the Booth





# Guests

**Taking pictures of themselves at the booth for memory-sake**







**Guests trying out the interactive tin cans and phones**







**Guests looking at the phones and information cards**







**Members explaining  
our theme and  
components to the  
guests**





# Flyers Used

## Evolution of Mobile Phones

 <p><b>ROTARY-DIAL TELEPHONE</b></p> <p>1920 Analog, uses dials, but no processor</p>	 <p><b>PANASONIC TOUCH PAD PHONE</b></p> <p>1980-1990s Button input, memory dialing and speakerphone</p>	 <p><b>MOTOROLA POCKET CLASSIC 1100</b></p> <p>1995 Analog cellphone, has limited memory</p>
 <p><b>MOTOROLA EASYCALL PAGER</b></p> <p>2001 Integrated circuits, limited memory</p>	 <p><b>NOKIA 8250</b></p> <p>2000 8-bit architecture, limited memory</p>	 <p><b>MOTOROLA RAZR</b></p> <p>2004 32-bit architecture, 5.5 MB internal storage</p>
 <p><b>NOKIA ASHA 210</b></p> <p>2013 32-bit processor, 64 MB internal storage</p>	 <p><b>IPHONE 4</b></p> <p>2010 32-bit architecture, 1 GHz ARM CPU (A4)</p>	 <p><b>IPHONE 14 PRO MAX</b></p> <p>2022 64-bit architecture, 128 GB - 1 TB internal storage</p>

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## Evolution of Mobile Phones



1920s

- It is an analog machine that uses a rotary dial to dial in numbers.
- This telephone comes from an era when telephones did not have processors.
- It primarily served as a stationary communication device without storage for

ROTARY-DIAL TELEPHONE



1980-1990s

- Button input, memory dialing and speakerphone.
- Still has no processors, but a bit of circuitry is involved since it now uses memory dialing.
- Still does not contain memory unless you count the card on top.

PANASONIC TOUCH PAD PHONE

## Evolution of Mobile Phones



1995

- Is one of the first notable example of early mobile phone technology.
- Has internal circuitry that mimics a 8-bit architecture processor.
- Has very limited memory to store a small number of contacts.

MOTOROLA POCKET CLASSIC 1100



2001

- This was a vital communication tool before the mobile phone era.
- It had a custom designed integrated circuits optimized for low power consumption.
- Limited memory just enough to hold a limited number of messages at one time.

MOTOROLA EASYCALL PAGER

## Evolution of Mobile Phones



2000

- Classic mobile phone celebrated for its compact and distinctive design.
- Utilized a basic mobile processor suited for its time which likely is an example of a 32-bit architecture or simpler.
- Has a small amount of memory for storing contacts.

NOKIA 8250



2004

- Iconic flip phone that set a new standard for mobile phones in terms of aesthetics and functionality.
- Still a very basic processor however it does fit within the characteristics of a 32-bit architecture.
- Has a 5.5 MB internal storage.

MOTOROLA RAZR

## Evolution of Mobile Phones



2013

- A later-era keyboard phone.
- 32-bit architecture.
- 64 MB internal storage (Flash memory).
- Has physical QWERTY keyboard and connectivity to social media and messaging apps.

NOKIA ASHA 210



2010

- An early modern smartphone.
- 32-bit architecture.
- Apple A4 chip.
- 8, 16, or 32 GB internal storage.
- Has a retina display, front camera, multitasking, and optimized power consumption.
- Has a 1 GHz ARM Cortex-A8 CPU core and PowerVR SGX 535 GPU.

IPHONE 4

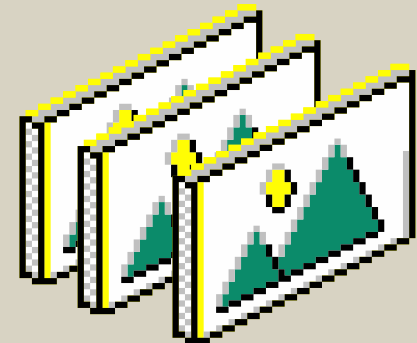
## Evolution of Mobile Phones



2022

- One of the more recent phones.
- 64-bit architecture.
- Apple A16 Bionic chip (4 nm).
- 128 GB to 1 TB internal storage.
- Has a 48 MP camera, always-on liquid retina XDR display with 1-120 Hz refresh rate, and fast 5G connectivity.
- Has 5-core GPU and 16-core neural engine for AI, machine learning, etc.

IPHONE 14 PRO MAX



# Information Cards Used



- **Interactive tin cans with string**
- **iPhone 4 Selfies**
- **TARDIS/Phone Booth**
  - **based on the Doctor Who time machine (travelling different eras)**



# Gimmicks

