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Fast charging

Precision Finding for iPhone

S9 SiP

On-device Siri

Carbon Neutral

A new gesture for Apple Watch

Siri, how much did I sleep last night?

New cycling features

Advanced cycle tracking

HomePod integration

New bands

Crash Detection

2000 nits

Siri health queries

5

3000 nits

Precision dual-frequency GPS

Depth session logs

Carbon Neutral

-500 to 9000 meters elevation range

Modular Ultra watch face

New band colors

36 HRS Battery life

Dive to 40 meters

Customizable Action button

S9 SiP

On-device Siri

New cycling features

Precision Finding for iPhone

Flashlight boost

A new gesture for Apple Watch

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48MP Main camera

Precision Finding for Find My friends

Textured matte finish

100% recycled cobalt in the battery

Dynamic Island

All-day battery life

4K60 HDR video out

.5 1 2x Optical-quality 2x Telephoto

Roadside Assistance via satellite

5G

2000 nits Peak outdoor brightness

Five new colors

Ceramic Shield

A16 BIONIC

MagSafe

Ultra Wideband Second-generation chip

Next-generation portraits

USB-C

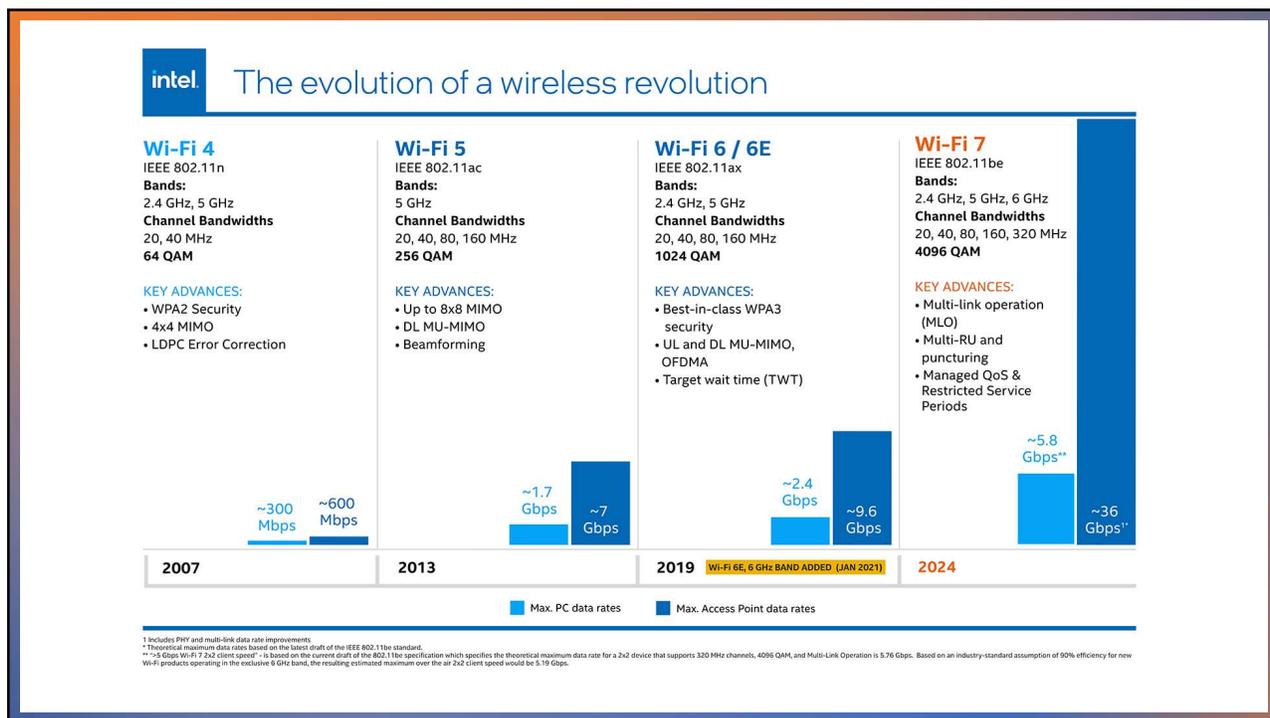
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intel Wi-Fi 7 – More lanes and a wider VIP highway

Wi-Fi 7 **doubles available bandwidth** compared to Wi-Fi 6E, with three super-wide 320 MHz channels on the dedicated 6 GHz band, in addition to all of the channels on the legacy 5 GHz and 2.4 GHz bands.

Number of available channels per bandwidth	40 MHz	80 MHz	160 MHz	320 MHz	SPECTRUM
Wi-Fi 7	36	17	8	3	6 GHz
Wi-Fi 6E					5 GHz 2.4 GHz
Wi-Fi 6	11	3	1		
Wi-Fi 5					
Wi-Fi 4	7				

More densely packed cargo
When combined with the new 320 MHz channel bandwidths, 4K QAM delivers 2.4X faster speeds than Wi-Fi 6, with PC users experiencing maximum speeds over 5 Gbps**.

Technology	QAM
Wi-Fi 7	4K QAM
Wi-Fi 6	1K QAM
Wi-Fi 5	256 QAM
Wi-Fi 4	64 QAM

BANDWIDTH
The maximum transfer capacity of a network

vs.

THROUGHPUT
The density of the data at which it is transferred

15 Gbps Wi-Fi 7 2x2 client speed - is based on the current draft of the 802.11be specification which specifies the theoretical maximum data rate for a 2x2 device that supports 320 MHz channels, 4096 QAM, and Multi-Link Operation is 5.76 Gbps. Based on an industry-standard assumption of 90% efficiency for new Wi-Fi products operating in the exclusive 6 GHz band, the resulting estimated maximum over the air 2x2 client speed would be 5.19 Gbps.

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intel Wi-Fi 7 – More reliable connections for low latency applications

Multi-link Operation ensures high-priority data get transmitted without delay. Assign data flows based on application requirements, such as VR/AR or industrial IoT.

Enhanced Multi-Link Single-Radio (eMLSR)

Wi-Fi client is available on two channels. Access Point and Client can exchange packets on the free channel improving reliability and reducing latency even in signal-dense environments.

Multi-Link Multi-Radio (MLMR)

Connect simultaneously on two channels for higher speeds and reduced latency

OR

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Types of AI

The emergence of artificial superintelligence will change humanity, but it's not happening soon.
Here are the types of AI leading up to that new reality.

Reactive AI	Limited memory	Theory of mind	Self-aware
<ul style="list-style-type: none"> Good for simple classification and pattern recognition tasks Great for scenarios where all parameters are known; can beat humans because it can make calculations much faster Incapable of dealing with scenarios including imperfect information or requiring historical understanding 	<ul style="list-style-type: none"> Can handle complex classification tasks Able to use historical data to make predictions Capable of complex tasks such as self-driving cars, but still vulnerable to outliers or adversarial examples This is the current state of AI, and some say we have hit a wall 	<ul style="list-style-type: none"> Able to understand human motives and reasoning; can deliver personal experience to everyone based on their motives and needs Able to learn with fewer examples because it understands motive and intent Considered the next milestone for AI's evolution 	<ul style="list-style-type: none"> Human-level intelligence that can bypass our intelligence, too Considered a long-shot goal
			

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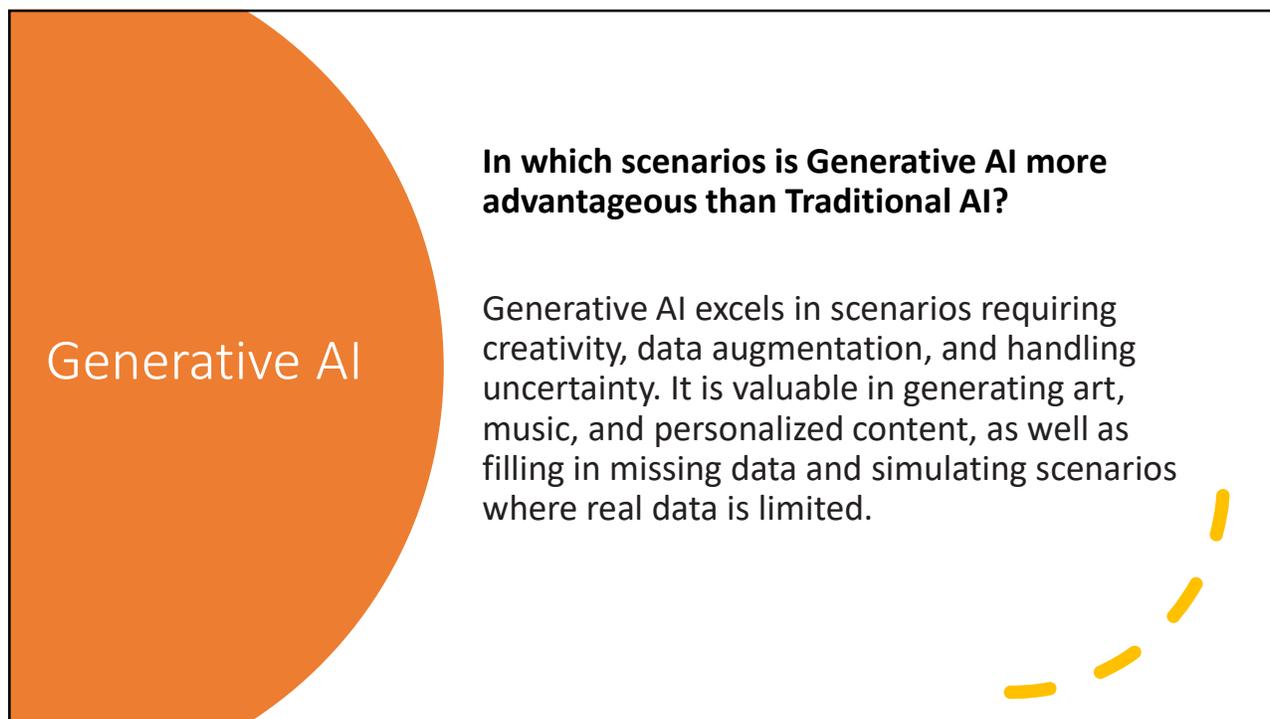
What are the primary differences between Generative AI and Traditional AI?

Generative AI focuses on creating new content and data, while Traditional AI solves specific tasks with predefined rules. Generative AI uses unsupervised learning and generative models, while Traditional AI often employs supervised learning and discriminative models.

Generative AI



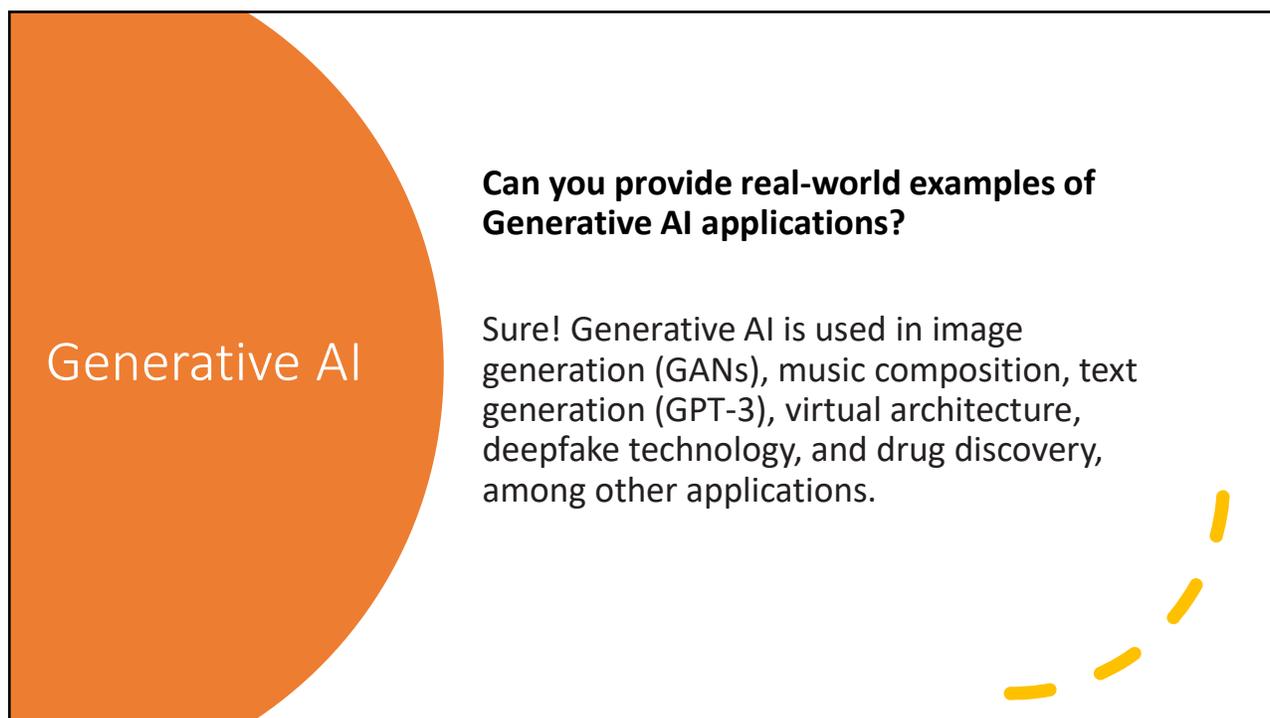
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The slide features a large orange semi-circle on the left side with the text "Generative AI" in white. To the right of the semi-circle, there is a bold question and a paragraph of text. A decorative yellow dashed line is located in the bottom right corner of the slide area.

In which scenarios is Generative AI more advantageous than Traditional AI?

Generative AI excels in scenarios requiring creativity, data augmentation, and handling uncertainty. It is valuable in generating art, music, and personalized content, as well as filling in missing data and simulating scenarios where real data is limited.

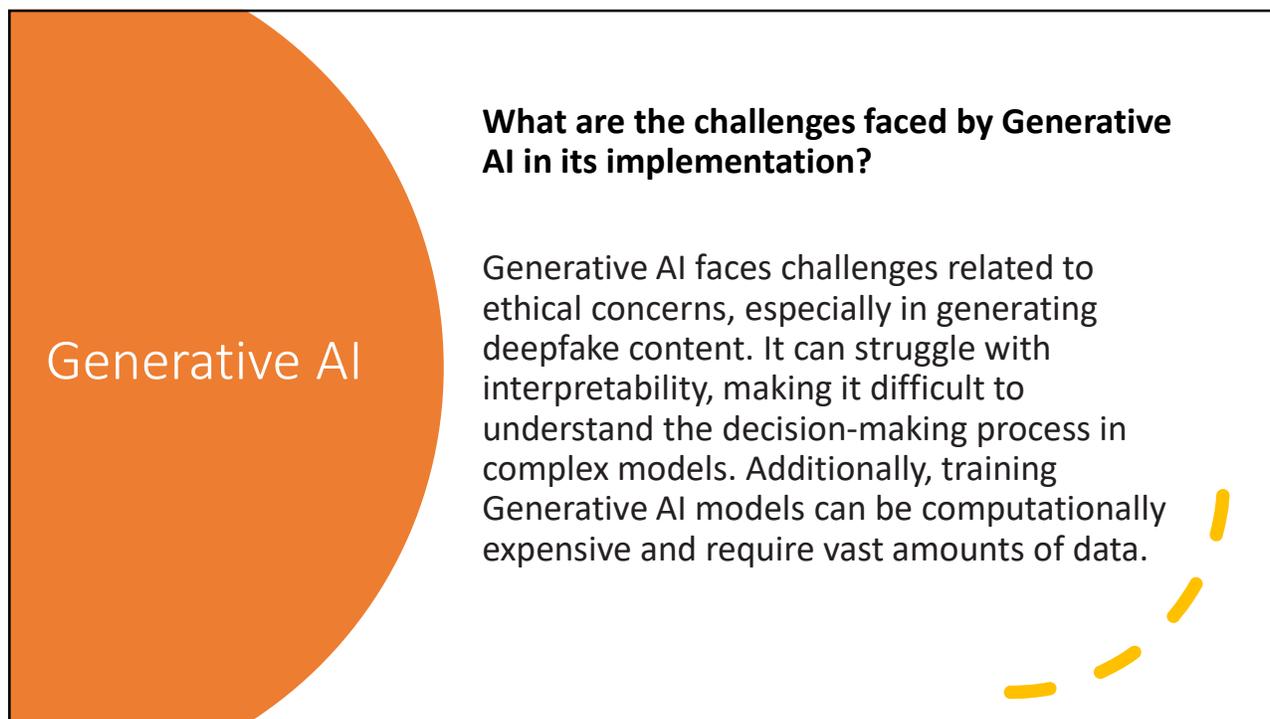
17

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Can you provide real-world examples of Generative AI applications?

Sure! Generative AI is used in image generation (GANs), music composition, text generation (GPT-3), virtual architecture, deepfake technology, and drug discovery, among other applications.

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Generative AI

What are the challenges faced by Generative AI in its implementation?

Generative AI faces challenges related to ethical concerns, especially in generating deepfake content. It can struggle with interpretability, making it difficult to understand the decision-making process in complex models. Additionally, training Generative AI models can be computationally expensive and require vast amounts of data.

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I asked Bard "write a poem about Purdue Women's Club"

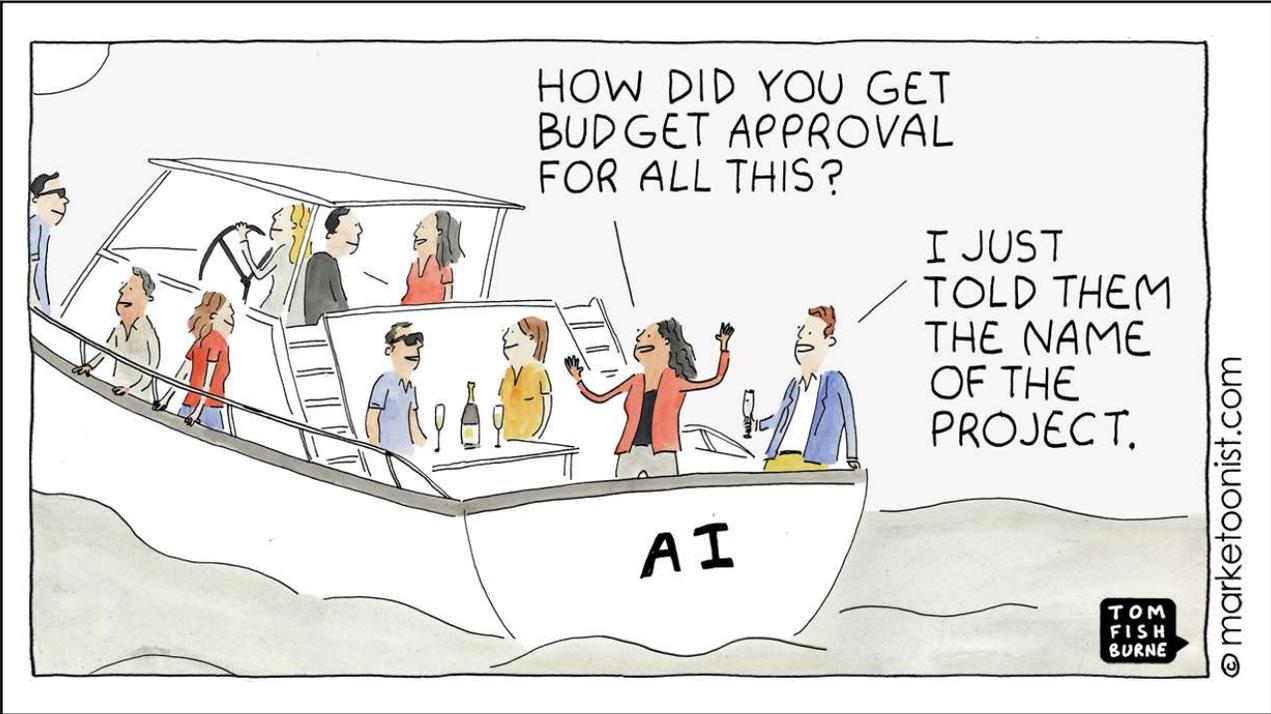
Purdue Women's Club

A group of women strong and wise,
Whose hearts and minds are open wide.
They come together to learn and grow,
And to make a difference in the world we know.

They are leaders in their fields,
And they are mentors to the young.
They are always willing to help,
And they are always there to lend a hand.

They are the Purdue Women's Club,
And they are making a difference.
They are changing the world,
One woman at a time.

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General Observations

- Prices up about 20+% from 4 years ago
- Crowds are down
- Parks have returned to pre-Covid activities
- New
 - Park reservation required in addition to ticket (going away in 2024)
 - Park Hopping limited to after 2pm (going away in 2024)
 - Genie+ (basically paid FastPass options)
- Missing
 - Dining Plan (returning in 2024)

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New Ride - Ratatouille



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Previously
Favorite
Rollercoaster



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