

Principles of computers

First stage

Lecture

Artificial Intelligence In Daily Life

By

Asst. lecturer Mohammed Qasim Obayes

mohammed.qasim.obayes@uomus.edu.iq

2024-2025

AI DEVICES:A DAILY REVOLUTION

From smart assistants like Alexa to autonomous vehicles, AI is reshaping everyday life.

Key advancements: Machine Learning, Natural Language Processing.

Impact:

Increased convenience and efficiency.

Better decision-making.

Improved quality of life



UNDERSTANDING AI IN DAILY LIFE

Examples of AI applications:

Image generators.

Virtual assistants like Siri and Alexa use AI and ML to personalize responses.

Social media platforms tailor user feeds based on preferences.

Chatbots enhance customer service interactions by automating tasks



THE ROLE OF AI IN DAILY TASKS

Virtual assistants perform tasks like:

Setting reminders.

Checking the weather.

Online shopping experiences personalized by AI.

Enhanced efficiency and streamlined routines through automation.

AI EXAMPLES IN DAILY LIFE

Predictive text on smartphones.

Personalized recommendations on Netflix and Spotify.

AI in social media platforms like Facebook and Instagram.

Smart home devices automate everyday tasks:

Adjusting lights and temperature.

Playing music automatically.

WHY USE AI IN DAILY LIFE?

Automates mundane tasks: Scheduling, reminders, managing finances.

Virtual assistants provide real-time info and control smart devices.

AI analyzes data patterns:

Personalized experiences.

Fraud detection.

Enhanced convenience and productivity.

EXPLORING AI IN SMART HOME DEVICES

Smart thermostats, lighting, and security cameras adapt to user habits.

Enhanced convenience and energy efficiency.

Future possibilities: Greater levels of customization and automation.



AI HOME DEVICES: SECURITY CONCERNS

Risks: Data breaches, remote control by hackers.

User precautions:

Regular updates.

Strong passwords.

Two-factor authentication.

Manufacturer responsibilities:

Encryption protocols.

Secure data storage.

Regular security audits.



AI AND MACHINE LEARNING IN DAILY APPLICATIONS

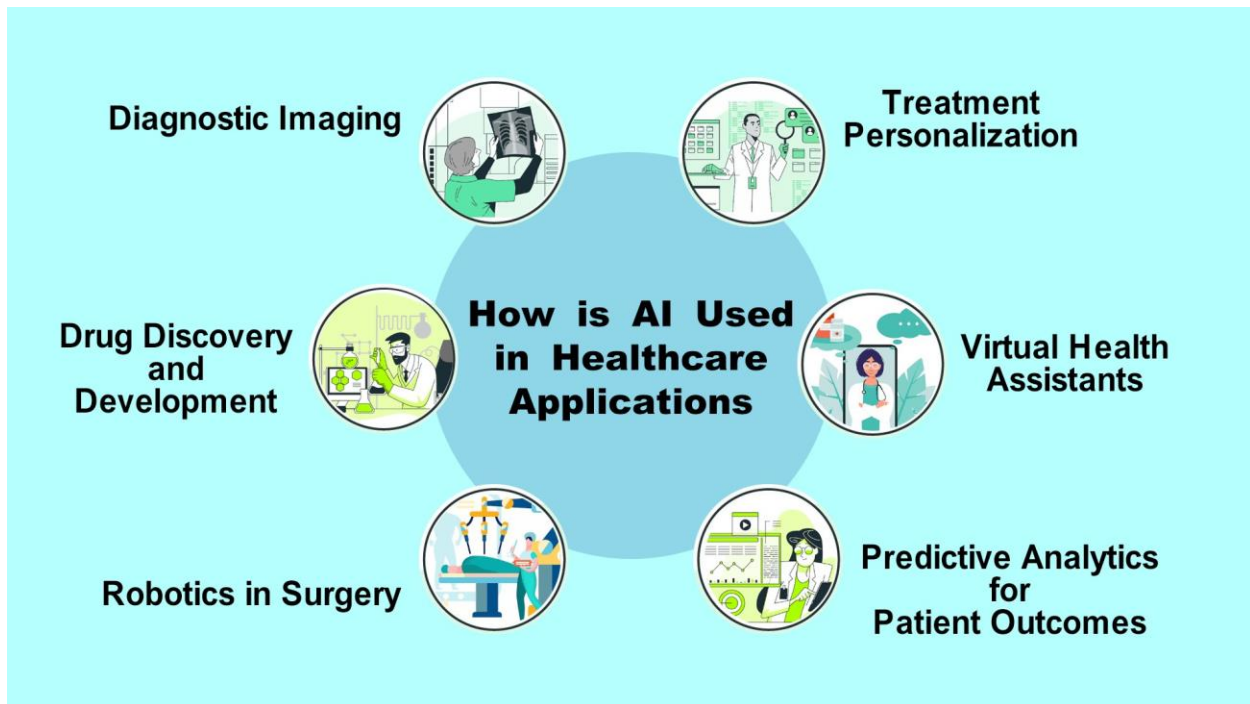
Virtual assistants like Siri and Alexa improve over time.

Streaming services (Netflix, Spotify) provide personalized recommendations.

ML algorithms enhance accuracy and efficiency in daily interactions

AI IN HEALTHCARE AND WELLNESS

- Personalized treatment plans and efficient diagnoses.
- AI-powered tools for analyzing medical images.
- Automating administrative tasks for streamlined care.



AI TRANSFORMATIONS IN HEALTHCARE

Data-driven insights optimize care delivery.

AI aids in diagnosing diseases and personalizing treatments.

Automating tasks to enhance overall efficiency in healthcare

AI-POWERED WELLNESS DEVICES

- Trackers monitor activity and sleep patterns.
- Smart scales analyze weight trends and body composition.
- AI provides personalized health insights and goal tracking.



AI IN HEALTHCARE: FUTURE PROSPECTS

Real-time health monitoring devices.

AI predicts health trends and automates patient care.

Remote monitoring improves accessibility for remote patients.

Thank You!

