



جامعة المستقبل  
AL MUSTAQBAL UNIVERSITY  
كلية الصيدلة

## Computer Sciences III S1

## Second Stage

# LECTURE 7 Artificial Intelligence In Daily Life

BY

Asst. Lecturer Sajjad Ibrahim Ismael

**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

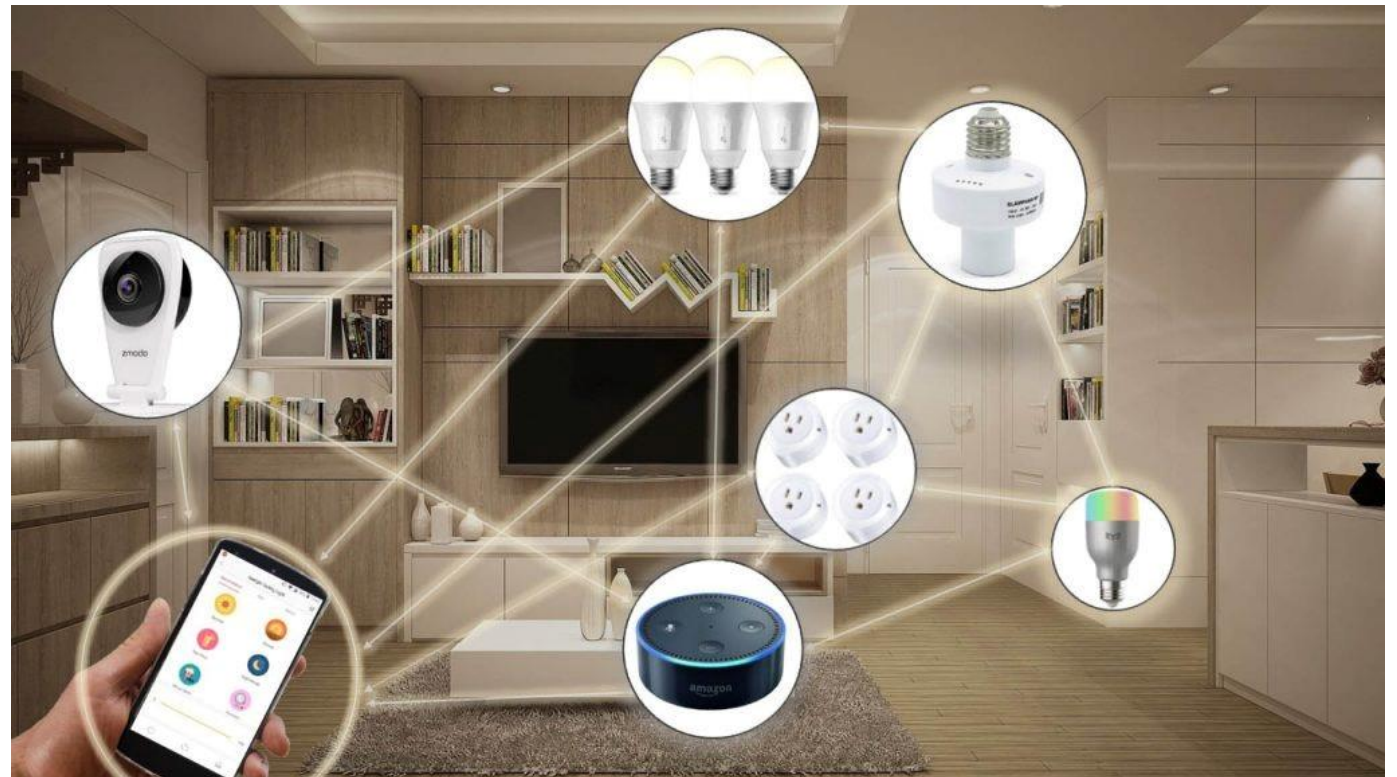
- Predictive text on smartphones.
- Personalized recommendations on Netflix and Spotify.
- AI in social media platforms like Facebook and Instagram.
- Smart home devices automate everyday tasks:
  - Adjusting lights and temperature.
  - Playing music automatically.

## 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.

**Diagnostic Imaging**



**Treatment  
Personalization**



**Drug Discovery  
and  
Development**



**How is AI Used  
in Healthcare  
Applications**

**Virtual Health  
Assistants**



**Robotics in Surgery**



**Predictive Analytics  
for  
Patient Outcomes**



# 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.

# CONCLUSION

- AI devices simplify and personalize daily life.
- Enhanced efficiency across industries: Healthcare, home automation, entertainment.
- Endless potential for future innovations with AI and ML integration.



■ Thanks for lessening ..

Any questions?

