

Al-Mustaqbal University College
Department of Anesthesia techniques
Third Stage



Lecture 12

AI – cont.



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AI in our lives

- ▶ AI is becoming a major part of our daily lives, shaping the way we work, communicate, and even think. From personalized recommendations on streaming services to voice assistants like Siri and Alexa, AI is making tasks more convenient and efficient.
- ▶ **In healthcare**, AI assists in diagnosing diseases and predicting patient outcomes. In business, it automates repetitive tasks, enhances decision-making, and even improves customer service through chatbots. AI also plays a role in education, helping students with personalized learning experiences.
- ▶ However, AI also raises concerns about privacy, job displacement, and ethical decision-making. As AI continues to evolve, it's crucial to find a balance between innovation and responsible use.

AI in our lives

➤ AI in smartphones has become increasingly advanced, improving user experience in several key areas:

➤ **1. AI-Powered Assistants**

Virtual assistants like Google Assistant, Siri, and Bixby use AI for voice recognition, natural language processing, and personalized responses. AI helps automate tasks, such as setting reminders, answering questions, and controlling smart home devices.

➤ **2. Camera & Image Processing**

AI enhances camera quality by adjusting lighting, detecting scenes, and optimizing settings automatically. Features like portrait mode, night mode, and object recognition use AI to improve photos.

AI in our lives

- **3. Performance Optimization:** AI manages battery life by learning user habits and adjusting power consumption. It improves app performance and RAM management by predicting which apps users need.
- **4. Security & Privacy:** AI powers facial recognition and fingerprint scanning for secure authentication. Spam and fraud detection, such as in Google's Call Screen and spam filters, rely on AI.

AI in our lives

- **5. AI in Communication:** AI enhances real-time language translation, voice typing, and predictive text. It enables auto-correct and smart replies in messaging apps.
- **6. Augmented Reality (AR) & AI:** AI enhances AR applications like Google Lens, which can identify objects, translate text, and provide information about landmarks. AI-driven filters in social media apps (e.g., Snapchat, Instagram) adjust facial expressions and backgrounds.
- **7. AI in Health & Well-being:** AI tracks fitness data, sleep patterns, and stress levels through sensors in smartwatches and smartphones. It provides personalized health recommendations based on activity tracking.

How AI is impacting our lives?



The future of AI

- The future of AI is incredibly promising and complex, with advancements expected across various domains. Here are some key areas of development:
- **1. General AI & AGI (Artificial General Intelligence):** AI models may evolve beyond narrow intelligence to exhibit reasoning, problem-solving, and creativity closer to human intelligence. AGI could automate complex tasks, from scientific discovery to high-level decision-making.
- **2. AI in Everyday Life: Personalized AI Assistants:** Smarter virtual assistants that manage daily tasks, schedule, and even anticipate user needs. Enhanced Human-AI Collaboration: AI will act as co-pilots in various jobs, enhancing human productivity rather than replacing it.

The future of AI

- **3. AI in Healthcare: Disease Prediction & Early Diagnosis:** AI models will predict diseases more accurately with real-time data analysis. Personalized Medicine: AI will help tailor treatments based on genetics and lifestyle. Robotic Surgeries & AI-driven Drug Discovery: Faster and more efficient medical innovations.
- **4. AI in Autonomous Systems:** Self-Driving Cars: Improved AI for transportation safety and efficiency. Smart Cities: AI-driven infrastructure, energy management, and public services. Drones & Robotics: AI-powered drones for delivery, surveillance, and disaster response.
- **5. Ethical AI & Regulations:** AI bias, data privacy, and accountability will be major concerns. Governments and organizations will implement strict AI regulations to ensure responsible development.

The future of AI

- **6. AI in Creativity & Content Generation:** AI-Generated Art, Music, and Writing: AI will become a major tool in creative industries. Deepfake & Synthetic Media: More advanced yet ethically challenging AI-generated content.
- **7. AI & Quantum Computing:** Quantum AI could revolutionize problem-solving in physics, chemistry, and cryptography.
- **8. AI & Employment:** AI will automate repetitive jobs but create new roles requiring AI-human collaboration. Reskilling and upskilling will become essential for workforce adaptation.

**Thank
you
for
Listening**

