

**Introduction
To
Artificial Intelligence
(AI)
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Artificial Intelligence (AI)

Is the technology that helps computers perform tasks that normally need human thinking.

“AI” is today’s buzz words, globally well known.

Genuine Vs Artificial

“Genuine” means real, authentic, sincere not fake or pretending.

“Artificial” means made by people instead of occurring naturally or not real, not nature, like artificial flowers, artificial medicine.

History of AI

A small workshop in 1956 at Dartmouth collage organized by a young mathematician named “John Mc Carthy” is the official founding. Lead by Mc Carthy, Shannon and Rochester organized “a two month, ten man study of artificial intelligence to be carried at during the summer of 1956.”

The tern Artificial Intelligence was Mc Carthy’s invention. He wanted to distinguish the field, a related effort called “Cybernetic”.

Mc Carthy later admitted that no one really like this name, after all the goal was “Genuine” not Artificial.

The proposed study was, they wrote based on the conjunction that every aspect of learning or any other feature of intelligence can be in principle so preceding described that a machine can be made of simulate it.

The proposal listed a set of topics to be discussed, natural-language processing natural networks, machine learning abstract concepts, and reasoning, creativity, that have continued to define the field of present day.

However, the Dartmouth summer of AI did produce important outcomes. Mc Carthy, Minsky, Allen Newell and Herbert Simon known as “big four” met and did some planing for the furture.

Mc Carthy founded the stsndford Artificial project, with a goal of building a fully intelligence machine in a dacade.

Future Nobel laureate “Herbert Simon” predicted “Machine will be capable within twenty year. Soon after Marbin Minsky founded AI lab in MIT.

Marbin Minsky himself coined the phrase “Suitcase word” the term like intelligence cousins as thinking, cognition, consciousness and emotion.

Indeed the word intelligence is an over-packed suitcase, zipper on the verge of breaking.

Because we don’t understand intelligence or know how to produced general AI rather than cutting of any avenues of exploration to truly progress we should embrace AI’s anarchy of methods.

The lack of a precise universally accepted definition of AI, probably has helped the field to grow, blossom and advanced at an ever accelerating force.

Key areas of AI applications

- ❖ Smart Grid Management
- ❖ System Design and Optimization
- ❖ Generative AI and machine learning
- ❖ Predictive Maintenance
- ❖ Robotics & Autonomous System
- ❖ Data Analysis and Control

AI Development Process

1. Discovery & Assessment

Identifying business challenges assigning data and defining ROI

2. Prototyping PoC

Creating a minimum variable product (MVP) or Proof of concept to validate the AI's feasibility

3. Data Preparation

Cleaning, Labeling and Structuring data for model training

4. Development and Training

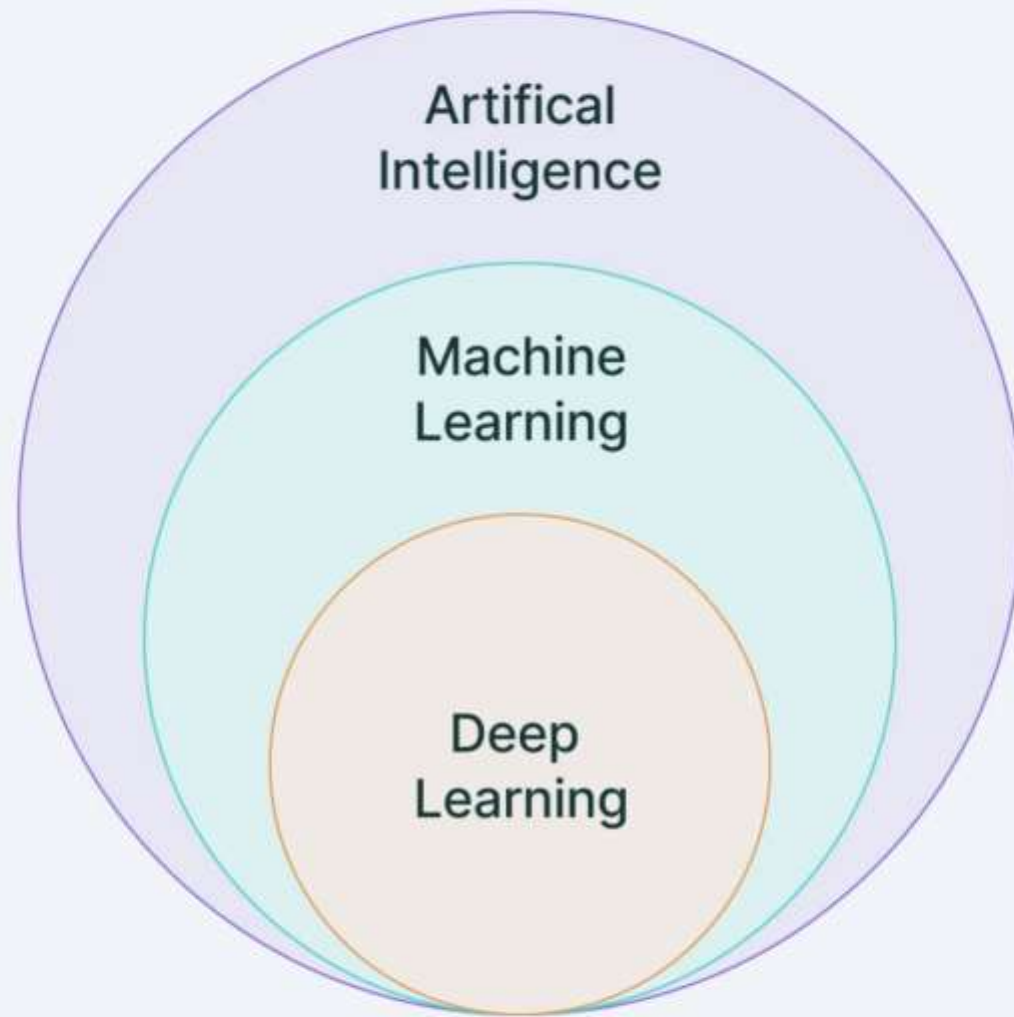
Building and fine-tuning models

5. Integration and Development

Embedding the AI solution to existing systems

AI ကို အသုံးပြုသောလုပ်ငန်းများ

1. Healthcare (one of the fastest growing)
2. Technology and Internet Services (Biggest Overuse)
3. Finance and Banking
4. Manufacturing and Industry
5. Transportation
6. Retail and E-commercial



ARTIFICIAL INTELLIGENCE

A program that can sense, reason,
act and adapt

MACHINE LEARNING

Algorithms whose performance improve
as they are exposed to more data over time

DEEP LEARNING

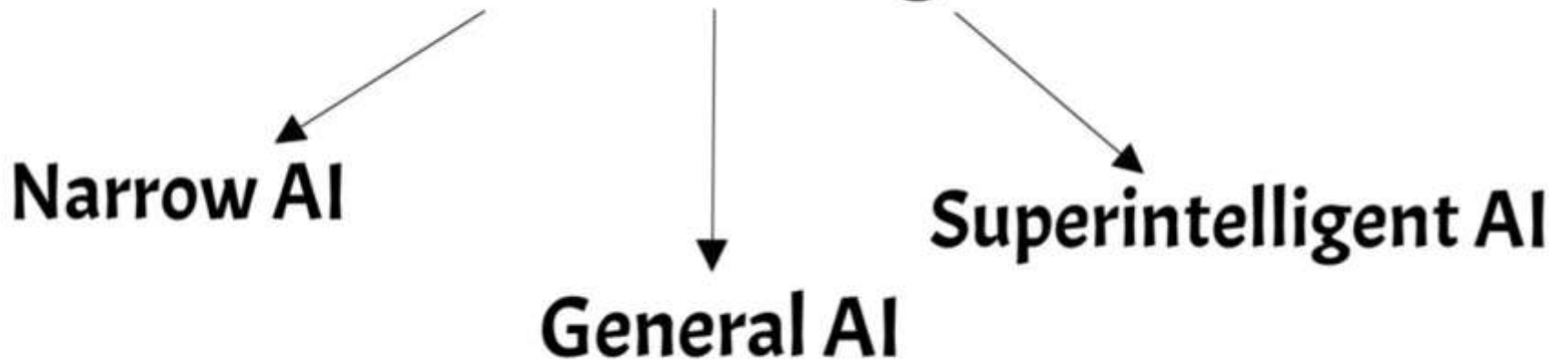
Subset of machine learning in
which multilayered neural
networks learn from
vast amounts of data

Artificial Intelligence

Narrow AI

General AI

Superintelligent AI



Applications of AI



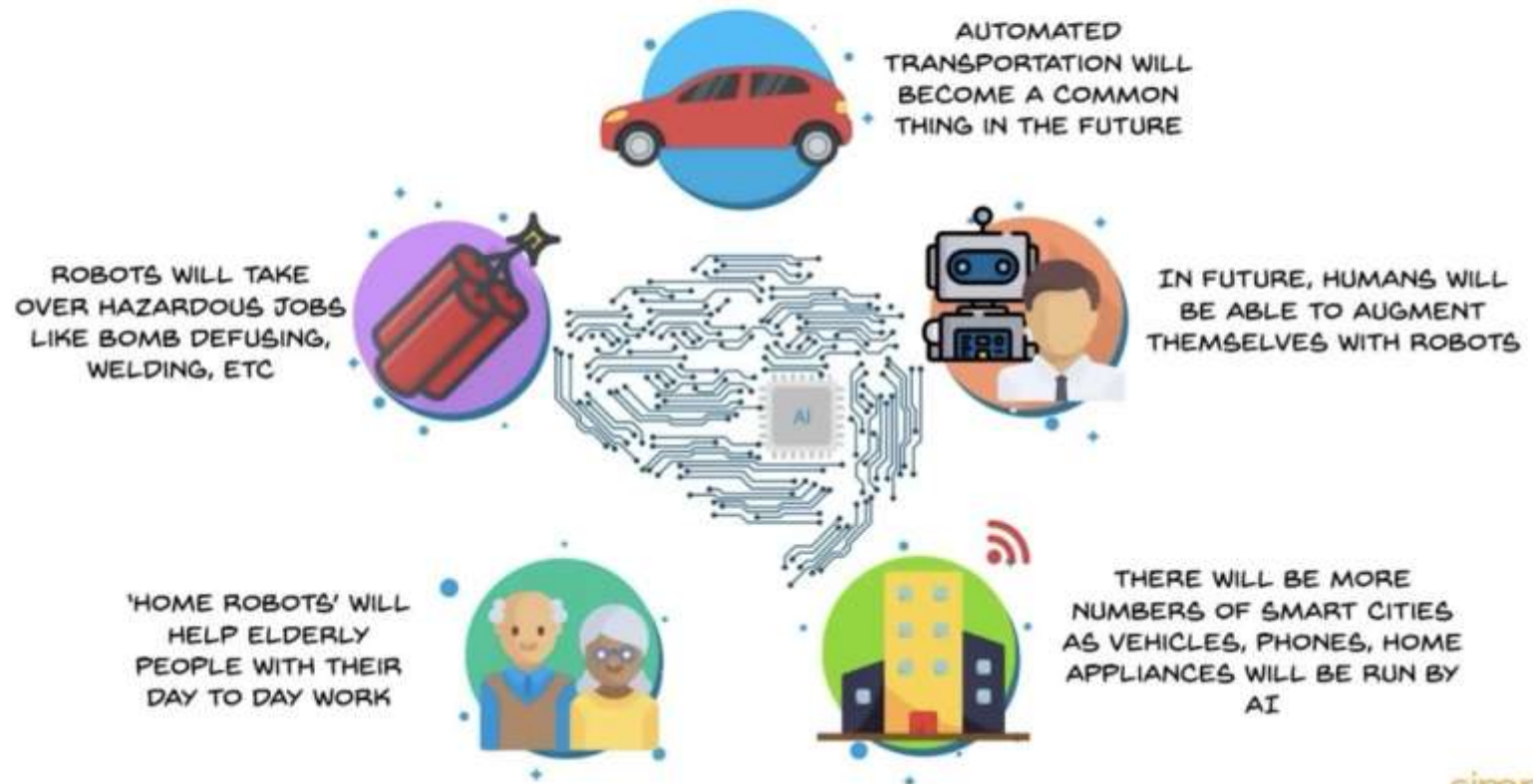
What Is a Large Language Model (**LLM**)?



Key Characteristics of Large Language Models

- Scale and Size
- Contextual Understanding
- Generalization Across Tasks
- Zero-Shot and Few-Shot Learning
- Text Generation

Future of Artificial Intelligence

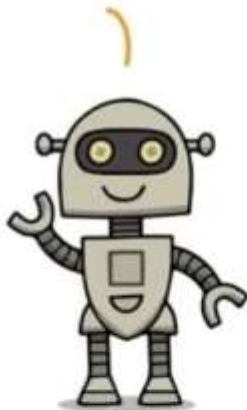


Applications of Artificial Intelligence



Types of Artificial Intelligence

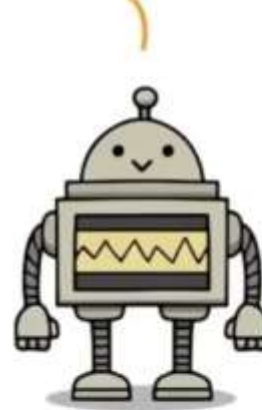
PURELY REACTIVE



LIMITED MEMORY



THEORY OF MIND



AM I INVITED?



THANKS FOR YOUR KIND ATTENTION