

Lecture 1 : Road Map of AI

... discussion about ai ...

... guide ...

... introduction about Team 2 their cause

... improving

[systematically model development --

• artificial intelligence

- study to create digital brain

- thinking & reasoning

- involve many factors

early → repetition of tasks

but now → now machine think & learn on own

• value creation by AI

→ Domain knowledge

→ own knowledge by knowledge of AI

"الذكاء الاصطناعي"

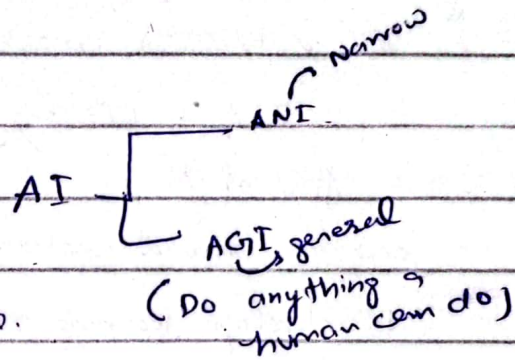
- develop thought process & reasoning
- Remove deadline from the mind.
- creative things take time.

- AI's age

- AI's for everyone.

• Demystifying AI

→ There are multiple layers of intelligence.



AGI

... Thought process ... emotion

(Eagle Eye)

... where machines are out of reach is called age of AGI.

Q- Star Technology = [Towards first step of AGI]

... virtual banding ... dependent on Math ...

- solving mathematical problems

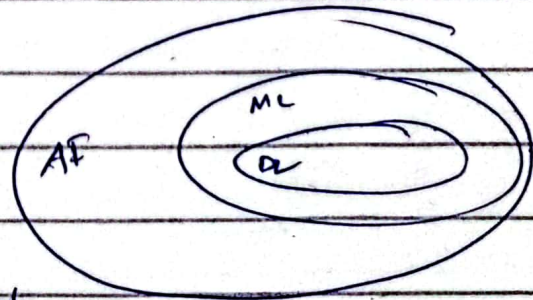
(AI)

search algo
Rule based

statistical inference
machine learning

rule + input

output



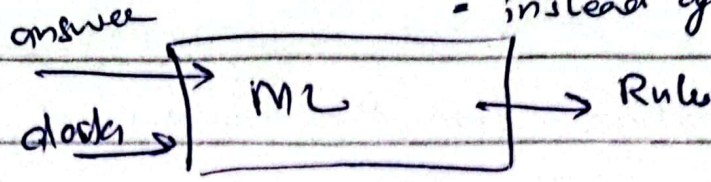
• Branch of science

• development of method

• allow computer to learn with explicit programming

Machine Learning
 ↳ branch of AI
 - focus on method that learn from examples
 - instead of relying on hard-coded rules

② ML learn on past experience
 - SVM
 - Tree algo



③ DL (Deep Learning)
 ↳ actually ML (subset)
 ↳ machine learning
 ↳ neural network

FCN,
 CNN,
 RNN

- sub field of ML
- focus on neural network
- to develop learning model

(inspired from biological neurons)

نورون ← math function
 Neural Network