Applications of AI

(1) AI in Social Media :- Recommendation system.

Fake news detection/Fake profile.

Content filtering

Hate speech detection.

Sentiment Analysis

Deep Fakes

Link prediction.

Menner- analysis

Child Safety.

D AI in Space: Simulation.

Mars Rover

Chandrayaan.

3 AI in healthcare: Cancer cells detection.
Covid prediction

Drug Repositioning.

Computational Biology

Biosignal processing

- (A) AI in Tourism
- (5) AI in Food Industry.

6 AI in Vision: Image Analysis

Augmented Reality / Virtual Reality) I

GEP-CAN)

Lar Parking detection.

Filters in Social media.

P AI in finance: - Stock Prediction

Credit fraud Detection.

Algo trading

ATM: , Parrooks princy, cool depoils

8 AI in Automobile: - Driverless care.

Teslabot

(1) AI in Robotice: - Solphia Alexa

Drone.

- (10) AI in Entertainment: Live Autoture, live captions.
- (1) AI in Agriculture: Rain pattern Crop Monitorly.

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1) AI in Education :- TA Bots
                             Personal Vintual Tutors
                             Automated Grading Systems.
                             AI-Proctored Ecom System
                              Speech in Education.
13) AI in Text: - Text Summarization

NLP

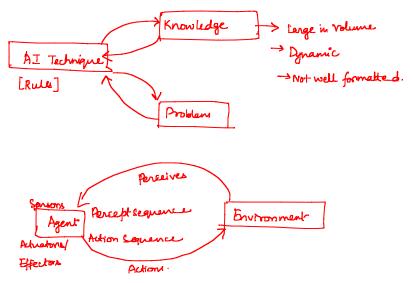
Text Analysis:-
                                                               Polarization
                (D Human Agents ) Eye, Fars etc. (Sensors)

, Hands, Lags (Actuators)

Agent program (Brain)
  B Robotic Agents -> Senons: Thermal, Solar, Camera, Infrared etc.

Actuators: Motors, Wheels, Cyrippers,

Light, Speakers etc.
                    eg. Fire Alarm.
   (3) Softbots (Software Agents) To Servou :- func" (reading) (SActuators: func" (Writing)
  @ Expert Systems in Healthcare: - Cardidogist.
      Autonomous space craft: Man Rover.
  6 Intelligent Buildings! - Lighting cond, Air conditioning,
                                  Doors, Fire sensors.
 Basic functionalities of Agent:
        1) Sensing: (must beuse the environment)
        3) Acting: - (must act on the environment).
       3) Understand, Reason, Learn (Antonomone Agents).
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Agent maps the prencept equence into action sequence.

L) operates in its environment.

is senses/perceives it environment through sensors.

La acta upon environment through Actuatora / effectora.

Percept

Lo complete set of input at a given time.

Lo current percept sequence can influence the actions of agent.

Action

Ly Am operation involving an actuator is called action.

La Actions can be grouped into action sequence.

Agent Program

Lo Implements the mapping from percept seguence to action seguence.

How to evaluate the performance of an agent?

Lo Behavior and performance of agent in terms of agent funch.

Performance Measure

Lo A subjective measure which characterizes has successful an agent is.

e.g. Speed, Power Mage, Accuracy etc.