

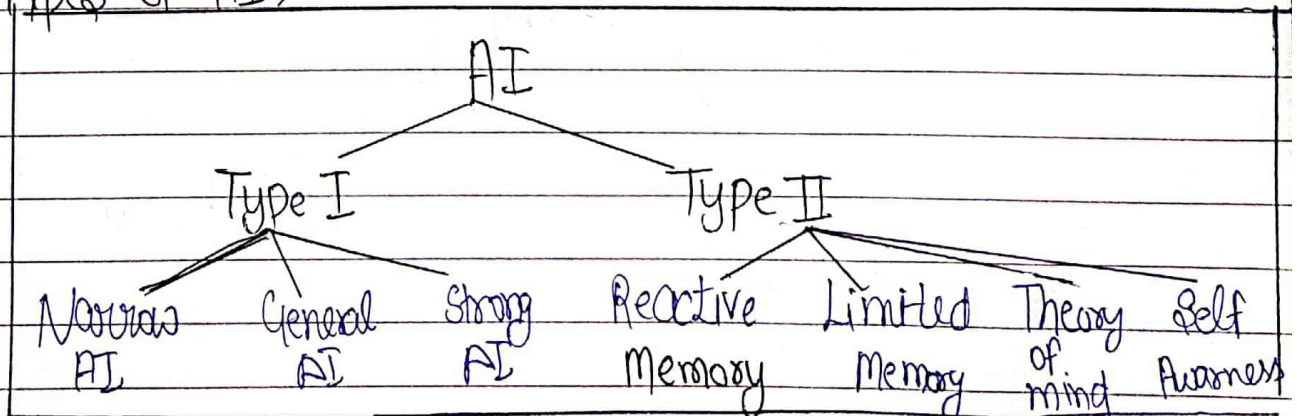
* What is Artificial Intelligence :-

- Artificial Intelligence (AI) is a branch of science which deals with helping machines to find solution of complex problems in a more human-like fashion.

- Artificial Intelligence is composed of two words Artificial and Intelligence.
→ where Artificial defines "man made" and intelligence defines "thinking power", Hence AI means "a man made thinking power".

- **Defination** :- "It is a branch of computer science by which we can create intelligent machines which can behave like a human, think like human and able to make decisions."

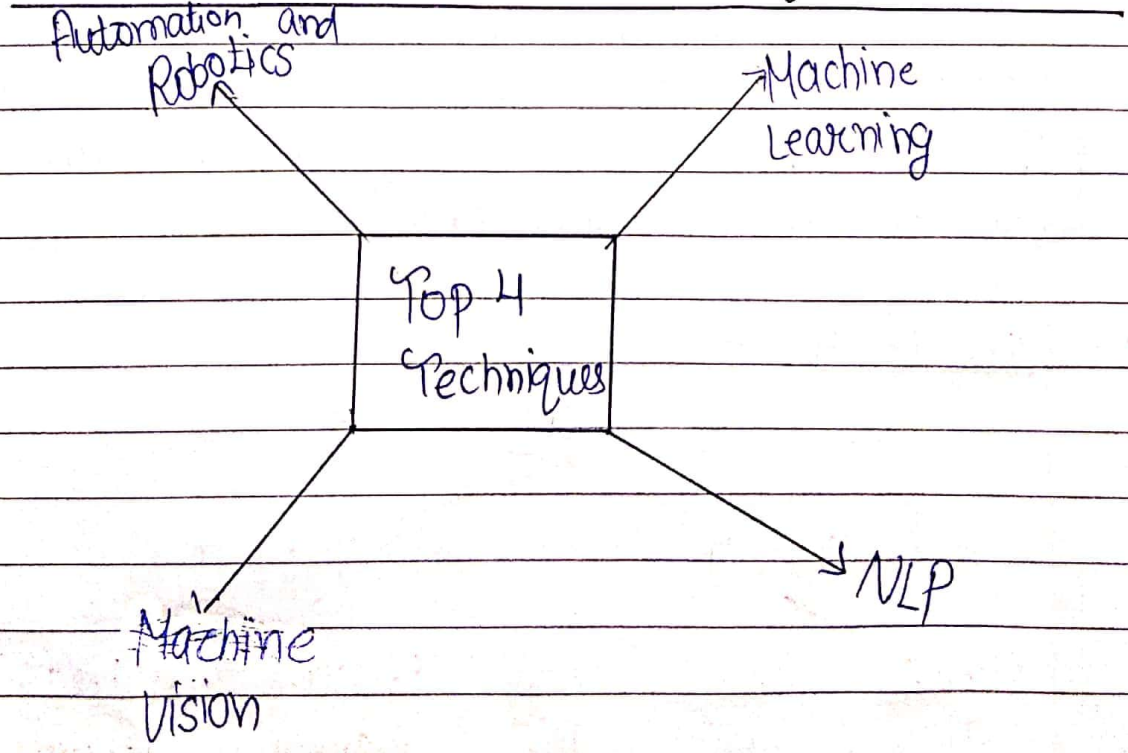
Types of AI :-



* What is AI Technique? -

- AI Technique is a manner to organize and use the knowledge efficiently.
 - AI Technique should be easily modifiable to correct errors.
 - It should be useful in many situations though it is incomplete or inaccurate.
 - It should be perceivable by the people who provide it.

• Below are the 4 Techniques of AI :-



(i) Machine Learning (ML):-

→ Machine Learning (ML) focuses on applications that learn from experience and improve their decision making process.

(ii) NLP:-

→ NLP is (Natural language Processing).

→ It is the interactions between computers and human language where the computers are programmed to process natural languages.

(iii) Automation and Robotics:-

→ The purpose of Automation is to get the repetitive tasks done by machines.

→ It also improves productivity and receiving more efficient results.

→ Robotic process automation is used to perform high volume repetitive tasks.

(iv) Machine Vision (MV):-

→ The usage of machine vision can be found in signature identification, pattern recognition.