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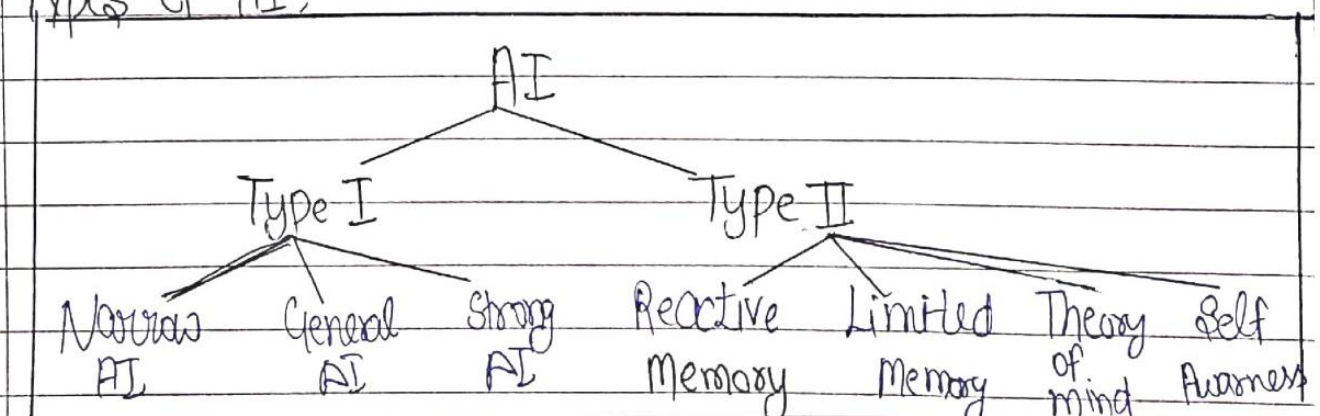
- Artifical Intelligence (AI) is branch of science which deals with helping machines to find solution of complex problems in a more human - like fashion.

- Artifical Intelligence is composed of two words Artifical and Intelligence.
  → where Artifical 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 :-

```
                    AI
                   /  \
              Type I    Type II
             / |  \      / |  \  \
        Narrow General Strong  Reactive Limited Theory Self
          AI    AI    AI       Memory  Memory  of   Awarness
                                             mind
```
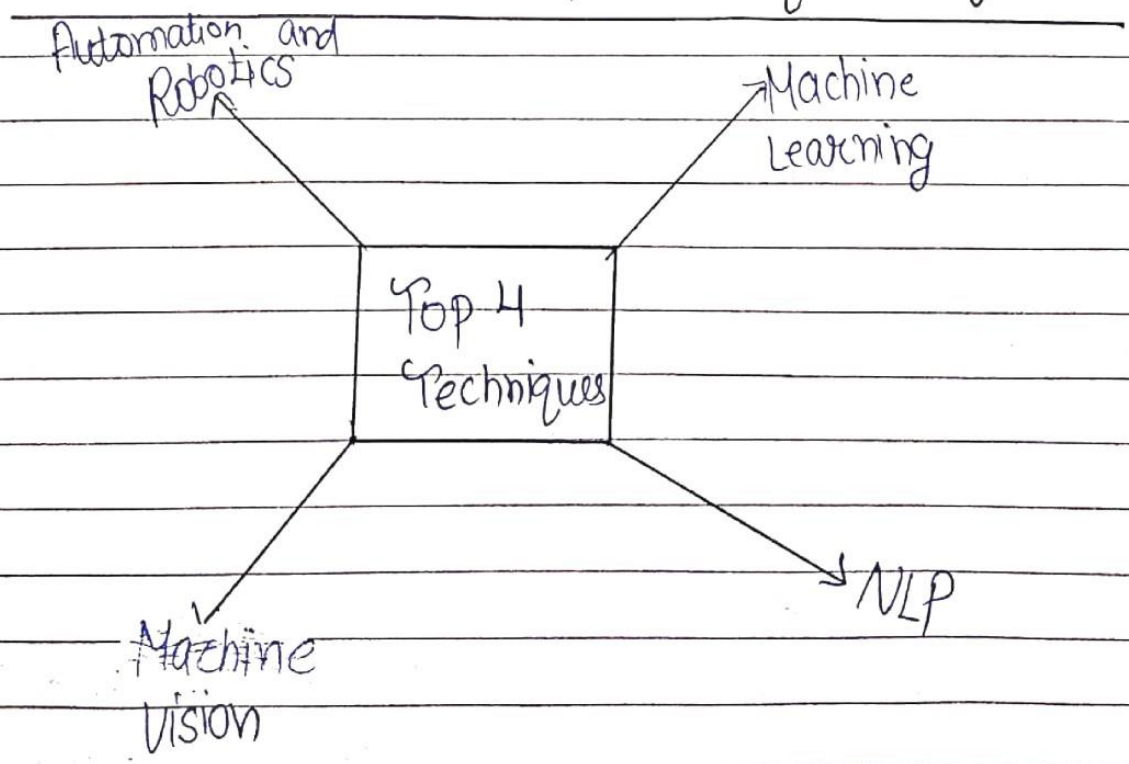
* What is AI Technique?:-

- AI Technique is a manner to organize and use the knowledge efficently.

  → 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 :-

Automation and
Robotics   →Machine
                              Learning

              ┌─────────┐
              │ Top 4   │
              │ Techniques│
              └─────────┘

                              ↘NLP

Machine
Vision

(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 auto-mation 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.