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Personal Al Assist

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- Project Motivation
- Project Introduction
- Aims & Objectives
- Literature Survey
- H/W , S/W Requirements
- Circuit Diagram
- Block Diagram
- Component Specifications
- Advantages and Limitations
- Conclusion
- References

Project Motivation



- Al assist is program like Google or Amazon that is capable of listening, Searching and follow the command.
- All assistant or digital assistant, is an application program that **understands natural language voice commands** and completes tasks for the user.
- A simple AI assist is one of the most common software used in any mobile or PC. We are introducing the basic concepts of AI assist.



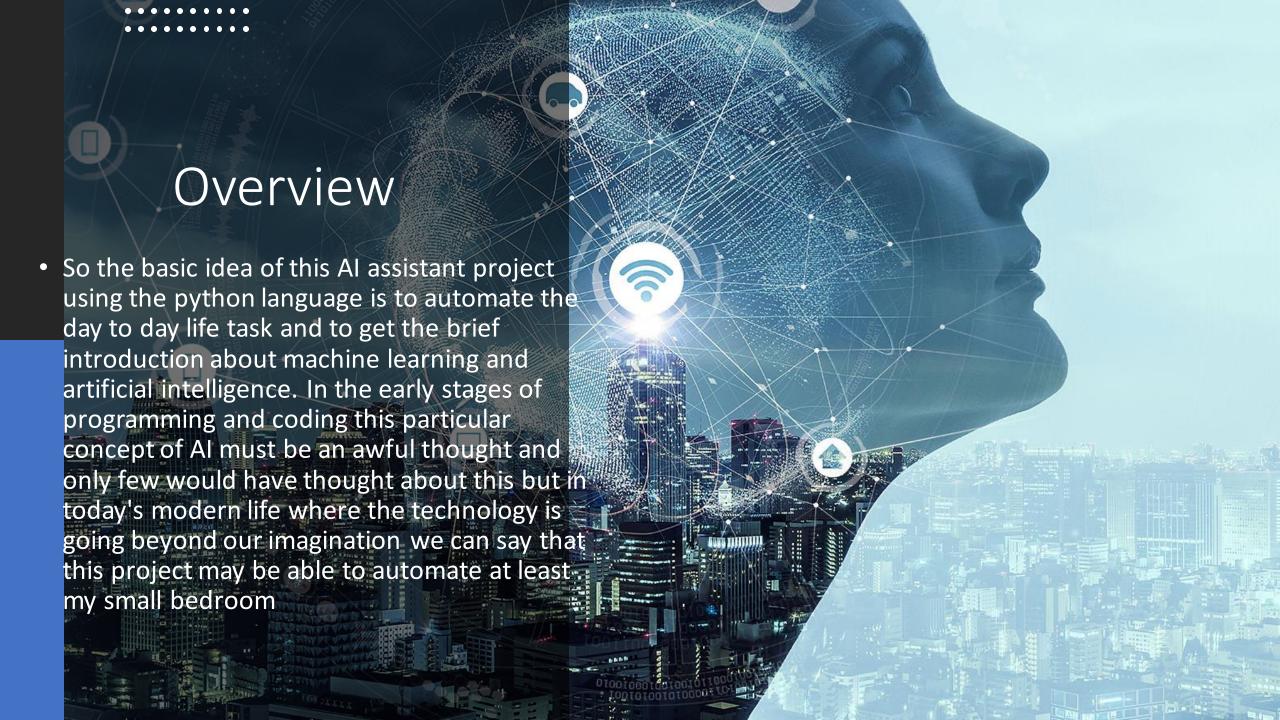
• The basic objective of AI (also called heuristic programming, machine intelligence, or the simulation of cognitive behavior) is to enable computers to perform such intellectual tasks as decision making, problem solving, perception, understanding human communication (in any language, and translate among them), and the like.

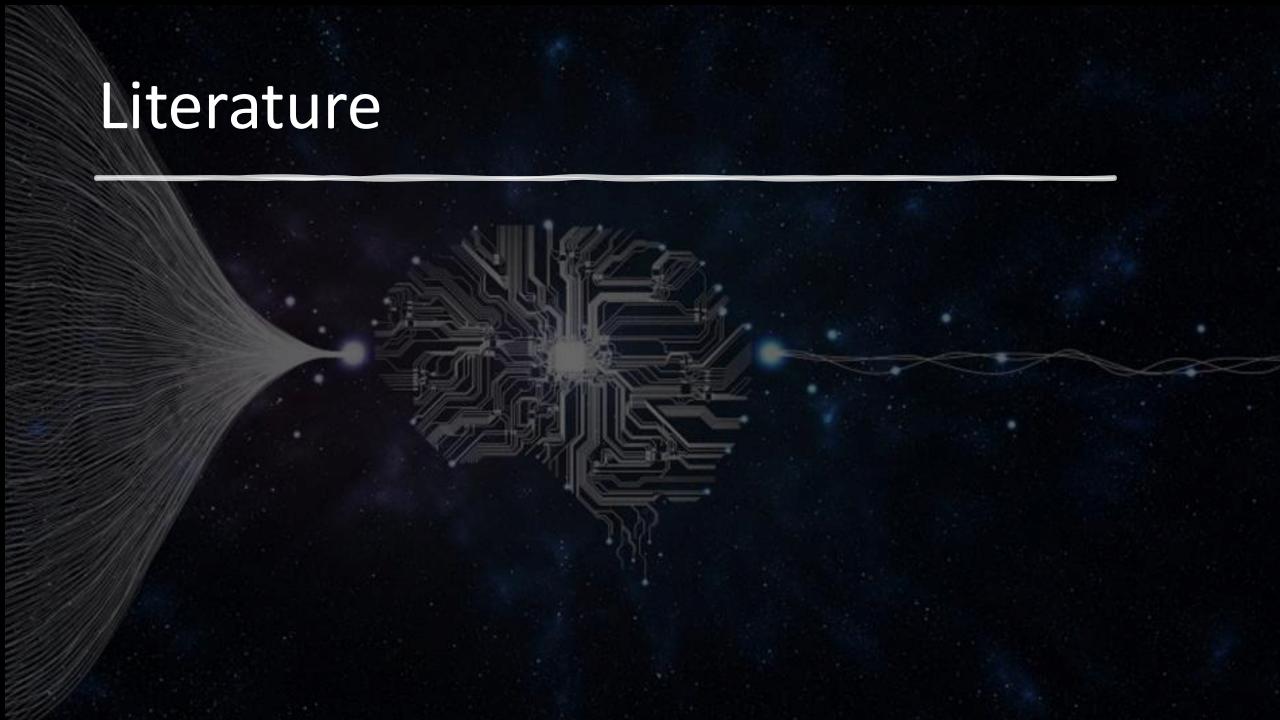
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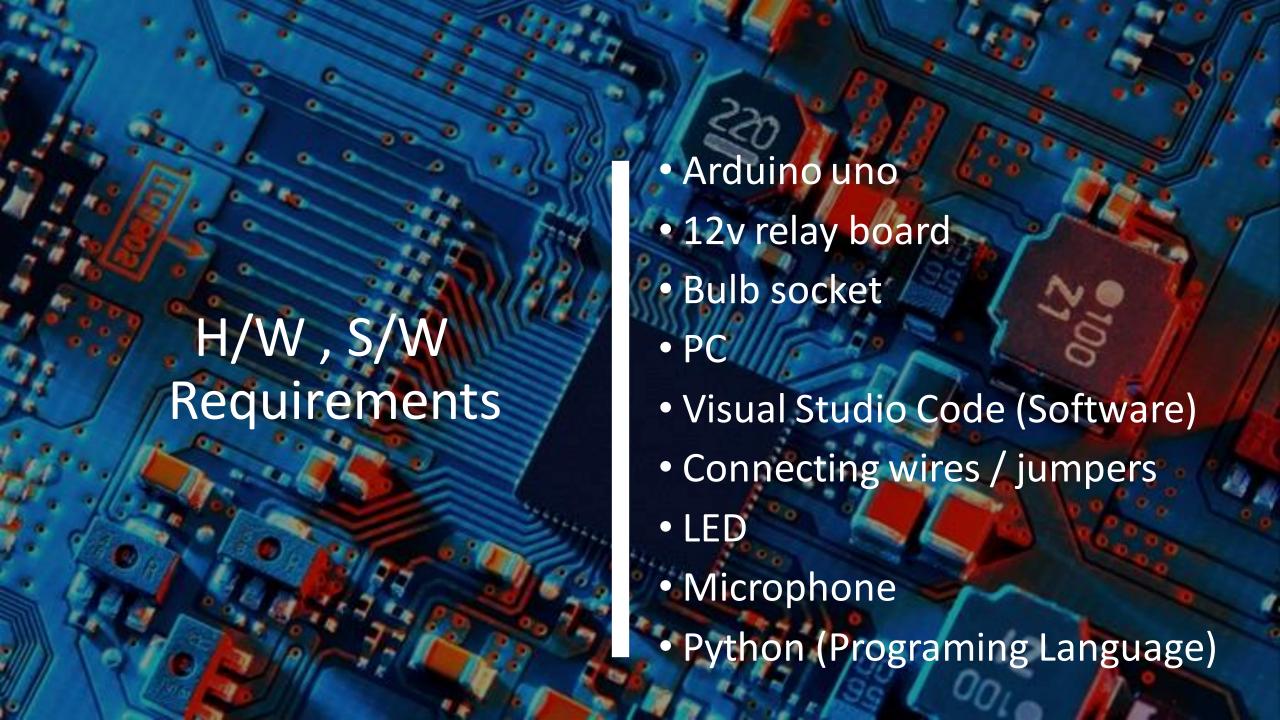
• Proof of this objective is the blind test suggested by Alan Turing in the 1930s: if an observer who cannot see the actors (computer and human) cannot tell the difference between them, the objective is satisfied.

Need of Al

- 1. The companies today think that they want to mechanize all the regular and routine work.
- 2. We need Artificial Intelligence (AI) because the work that we need to do is increasing day-to-day.
- 3. So it's a good idea to automate the routine work.
 This saves the manpower of the organization and also increases the productivity.
- 4. So, the basic requirement of Al can start from a very small platforms to the large industries



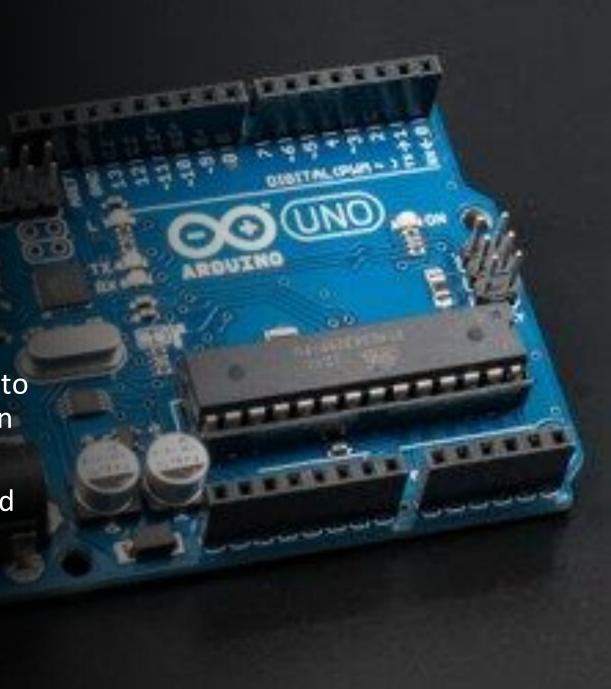




Arduino uno

 Arduino is an open source electronic platform based on easy to use hardware and software. Arduino boards are able to read input such as light on sensor, finger on button and turn it into an output like activating a motor, turning on an LED etc.

 Arduino is the single board microcontroller and the software used for Arduino is Arduino IDE.



Relay board

- Relay boards are computer boards with an array of relays and switches. They have input and output terminals and are designed to control the voltage supply. Relay boards provide independently programmable, real-time control for each of several onboard relay channels.
- Relay boards with opto-isolators provide isolation between control signals and output controls. Most relay boards have 2, 4, 8 or 10 channels.



Advantage

- All is making it easier for people to do things every day, whether it's searching for photos of loved ones, breaking down language barriers in Google Translate, typing emails and more.
- All is powering many inventions in almost every domain which will help humans solve the majority of complex problems.
- Using artificial intelligence we can productively automate these mundane tasks and can even remove "boring" tasks for humans
- using AI we can make machines work 24x7 without any breaks

Disadvantage

- It's creation requires huge costs as they are very complex machines.
- Al is making humans lazy with its applications automating the majority of the work.
- As AI is replacing the majority of works with robots, human interference is becoming less which will cause a major problem in the employment standards.



• Al is at the center of a new enterprise to build computational models of intelligence. This small prototype with some advance modifications and proper guidelines can be turned out to very successful product because in the field of artificial intelligence 'sky is the only limit'

