Objectives

to develop a system which recognizes speech

to develop algorithms that iteratively learns from data

to train a machine to react to certain input patterns (speech)

Importance

Machine learning is fast growing engineering field. Though many machine learning algorithms were previously in existence, the ability to automatically apply complex mathematical calculations to big data – over and over, faster and faster – is a recent development. It is widely used everywhere from self-driving Google car to suggesting friends and videos on Facebook and YouTube respectively.

cost divison

|  |  |  |  |
| --- | --- | --- | --- |
| SN | Component | IC | Price(Nrs) |
| 1 | Raspberry Pi 3 |  | 6,000 |
| 2 | Motor Driver | L293D | 200-300 |
| 3 | Car Chasis |  | 1,000 |
| 4 | USB Microphone |  | 1,000 |
| 5 | Adapter(5v,2A),cable |  | 1,500 |
| 6 | LCD Display(16\*2) |  | 800 |
| 7 | Miscellaneous |  | 2,000 |
|  | Total |  | 11,800 |