

Aim :- Study of Raspberry - Pi, Beagle board, & other micro controllers.

Theory :-

① Study of Raspberry Pi :-

The Raspberry Pi is a series of small single-board computers developed in UK by Raspberry Pi foundation to promote teaching of basic computer science in school & in developing countries.

A Raspberry Pi zero with smaller size & reduced t/lto & general purpose i/o capabilities was released in now is for uses Raspberry Pi-3 model B was released in feb 16 & has on board with bluetooth & USB boot capabilities processor speed ranges from 1000 to 12GHz for Pi3, on board memory ranges from 256 MB to 1GB Ram.

② Raspberry Pi3 model B :-

In 2006, early concepts of Raspberry Pi, were based on Atmel A Imego 844 micro-controller. The computer is inspired by Acorn is hoc micro of 1981. The first ARD prototype version of computer was mount in package some size as USB memory stick.

③ Study of Beagle Board :-

The Beagle Board is low-power open source single board computer produced by Texas



Fig.1. Raspberry Pi3 Kit



Fig.2.Beagle Bone Kit



Arduino Kit Fig.3.

instruments in association with digi. key, & network element 14. The board was developed by a small team of engineers an educational board that could be used in colleges around the world to teach open source hardware, software capabilities. The board was designed using code or CAD for schematics & code. Allegro for PCB manufacturing, no simulation software was used.

④ Study of Arduino :-

The Arduino project started at Interaction Design Institute Italy. The initial Arduino core team consisted of Massimo Banzi, David Cuatrecasas, but Bazzagan was not invited to participate.

In April 2017 wired reported that must has fabricated his academic record on his company's website, personal linked in accounts & even on Italian business doc, must to was until recently listed as holding PhD from Massachusetts Institute.

Around that same time Massimo Banzi announced that Arduino foundation would be a new beginning of Arduino. But a year later foundation still hasn't been established.

Conclusion :-

Thus we have studied history of Raspberry Pi, Beagle bone and Arduino.