0m Shree 2006077

IOT Assignment Chapter - 07

Ansi) Micho-controller:-

A compact integrated circuit designed to govern a specific operation in an embedded system.

micro-phacesor:

A type of miniature chet posicions the arithmetic, hogic I constrol is with necessary to perform the functions of a digital computer's CPU.

range of different duries that are completely connected to one another. It's the tech that is slowly beginning to govern to world. Sevius include a mide prange of duries such as energy modules, power management modules, power management modules, of modules and sensing modules.

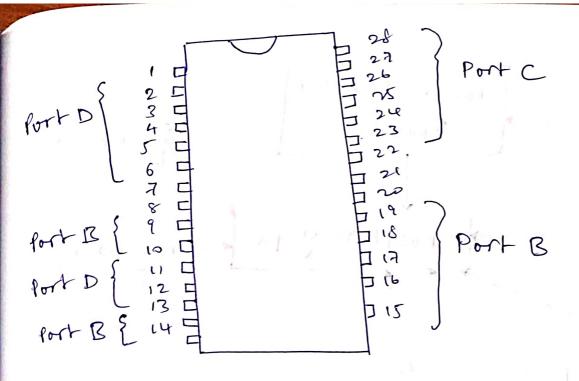
Ans 2) Andwind is an open souther hordward be softward company, project be user community that durigns be manufactured single-board michocontrollers be michocontroller michocontrollers be michocontroller there kits for building digital duries. There have for building digital duries. There are many types of Admino boards incured the market that incured the market that incured Admino UNO, Red board. Litypad Admino. Admino UNO, Red board. Litypad Admino.

Advantages:

- ONOT much knomledge hequined to get stanted.
- 2 fairly tone cost. depending on shield you ned.
- 3 Lors of sketches & shields available
- 4 No external program on bonner supply meded.

Diladvantages :-

- 1 Lack of multitasking
- 2) Not optimised for performance
- (3) lack of communications
- (4) Limited support for programming language
- (5) Less memory storage capacity.



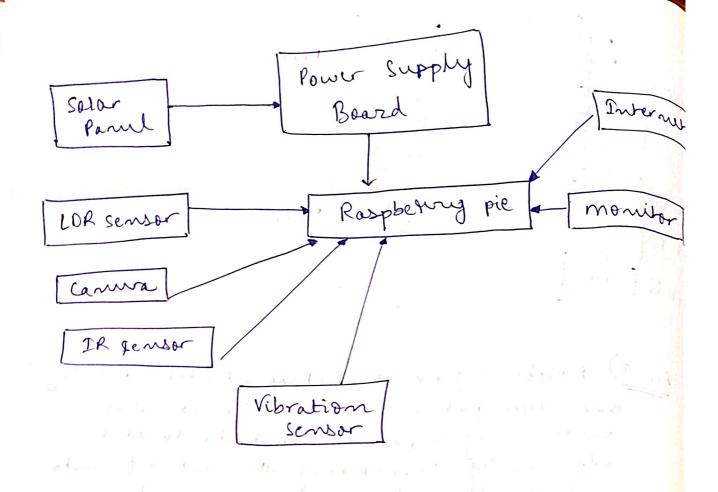
Ans3) Raspberry pie is a cheap chedit card sized minicomputer that is intersperable with any input & output bordware effectively connecting the ser-up into a full-fulged 1c of a low cost.

Advantagel:

- 1 Low cost
- 2) Huge pusassing power in a compact board.
- 3 many interfaces
- mantyl, xunis troppuz @

Disadvantages:

- @ Not able to sun windows 05.
- 2 Impractical as a disktop computer.
- 3 Graphics prousing missing
- (4) Missing emme internel storage.



Ane4) Beagle bou black:

Beeghe bone is a single board computer which can be used as a stand-alone computer on it can be embedded into a system. This low cost, Open source, linea based computer board is ideal for electronics engineers & hobbyists.

pc Duino:

Is a mini oc phatform that mens a pe like Os such as Luburta V Android 40 ICS. It outputs video through the HAMI post. morows, it has a hardware header interface Compatible meth Admins.

Anst) Examples of Beagle bone board:

- (a) Running a turnote disktop using tight
- (6) Edit 6 hun a python program.
- Pythonis pwm command.

Exemples of Pc duind:

- (a) Data Løgger based Pl duins
- (b) Physical computing, involving interactione systems that can since b susponse.
- (c) PC duins car also mosk as a thermostal in the minter.