REPORT

EMBEDDED SYSTEM:- air conditioner

- By switching on the system it works according to the previous temperature given to the system by the help of the remote.

- Once we change the temperature using the remote, the analog input which is given by the button is converted into digital output and sent through the IR sensor to the AC indoor unit.

- The AC indoor unit has a receiving sensor which catches the signal and increases temperature accordingly.

- Once the temperature increases using the remote controller it sends the signal to MICROCONTROLLER that monitors the mechanical system.
- Microcontroller sends the signal to the compressor to run according to the temperature given.

- Microcontroller monitors the mechanical system until the required temperature reaches by getting feedback from a sensor to check the room temperature.

- Once the temperature reaches it turns off the mechanical system and checks the temperature continuously.

Project for next week:-

For the embedded system you chose in last excercise, imagine, research and draw a software block diagram/software component diagram 2. In the diagram, choose one block and write code for one of the logic function/algorithm 3. Code should fit in one page. You should be able to explain the function of the code and how it fits into overall system