using waterfall-model for AirBage

1. Requirements:

for the car who are truelling in the car when the any accident 18 occurs.

TO Protect the human body torm

the collision that occur on the car

The can be completed with in fraction of second so the output of the bay

can be completed within the seconds.

2 Analy 818 and Design.

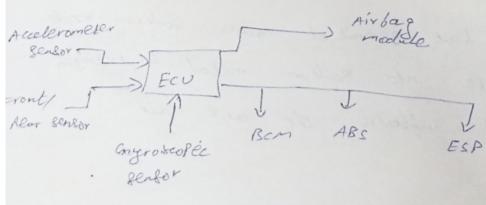
1) Acceleromoter Sensor

2) Front 1Rear Collision Sensor

3) Ecu

4) Airbag Cushion

5) Cogroscopei Sensor



Ben-Body Control module.

1 Acceleranceer 8cn8or8.

Freed It the deacceleration is high enough, in
the acceleranceters trigged the air by Gircum

2 Front/year Sensors:

The collision is occur in trontland that sensor will detect the collision and triggers to Ecu

sit can control the airbay function who the some lighals from the sensor. It can react to the airbay.

2. Airbay rushion module:

at the airborg cushion module the chemical is called sodium azicle, or nanz.

The airborg cushion module the chemical reaction of the air borg reaction or nanz.

that send an elletric signal to the Equitor.

to observe into sociem metal & mitrogen

gos which influtes the car's air

boys.

3. Development:

=> Develop the cooling that oletermine to trigger the sensors & the gas can tilled to the bag with in traction of secord:

4. Test:

=) The telling is done with the. above program that we can clamped in 80 of Hardware in the LOOP. (H12).

5. Deployment.

=> This can be deployed to the car and then it will work Ewhen the accident or collision is occur.

b. Maintanance:

=> TO maintain it with some of. the things the gas is ignite after 80ml years & the sensors are working.