Experiment no: 08

Name of the experiment, control a high voltage lood using mechanical relogions

1. To learn how to interpose oc loof through nely with pic microcontroller

2. To design and openede the cinemit of rely intensacing.

Theory: An electronic swictch men is relay, using low power cincuits. Pelay isolated low power cincuits from high power cincuits. It is activated by emerging cost wounded on a soft from cone. A relay. Should not be directly connected to a micro controller.

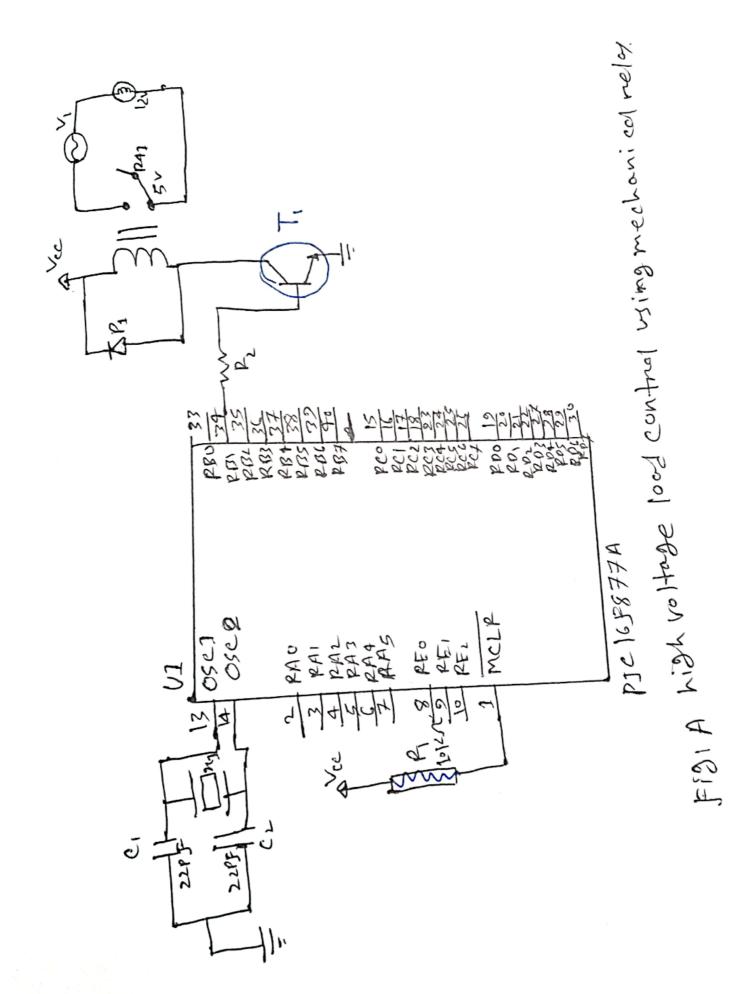
Because-

1. A microcontroller is not able to supply. Connent required for the working of rely.

Maximum current that a pie microcontroller hamste 15 28 mA while a rely needs about so - loomA current.

2. A relay is activated by energing its. coil. Microcontroller may stop working by the relative to Hoges produced in the relative to its best exact.

Apparatus required 1 PIC/6F877A, Crystol, copacitors
resiston, transiston, diode, translor, ac voltage.



source code) Void main() TRJSB = OXOO, PORTB = 0X00. While(1) PORTB. \$ 21 dely_ms (2000); PORTD, 5 20; deloy_mg(2009)