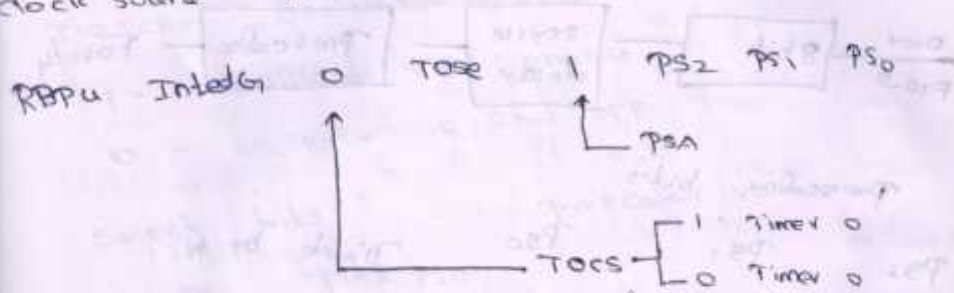


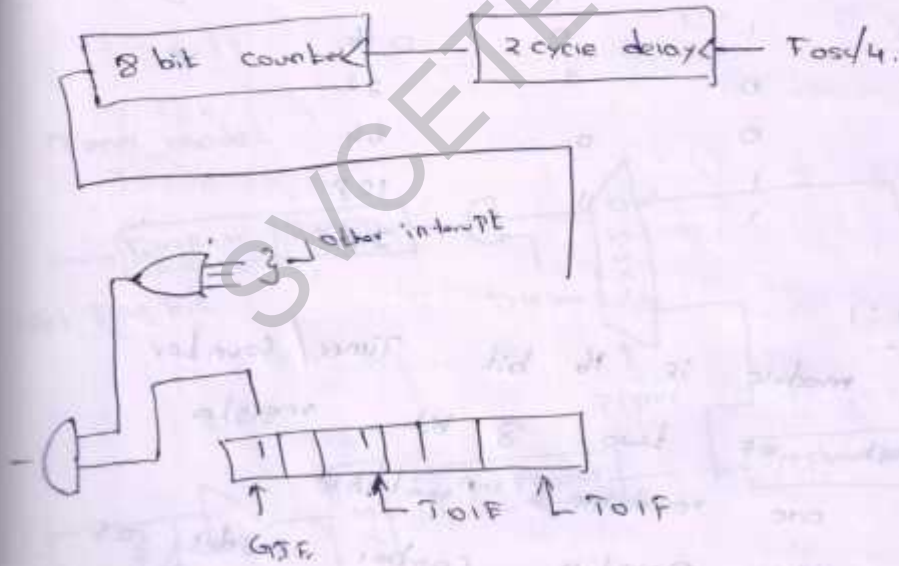
option:- Register Configurations:-

option register Control the
 Prescaler to Timer a clock source. The
 following option register configuration is for
 clock source to no watch dog timer.



Timer 0 use with out pre scaler

Internal clock source $F_{osc}/4$.

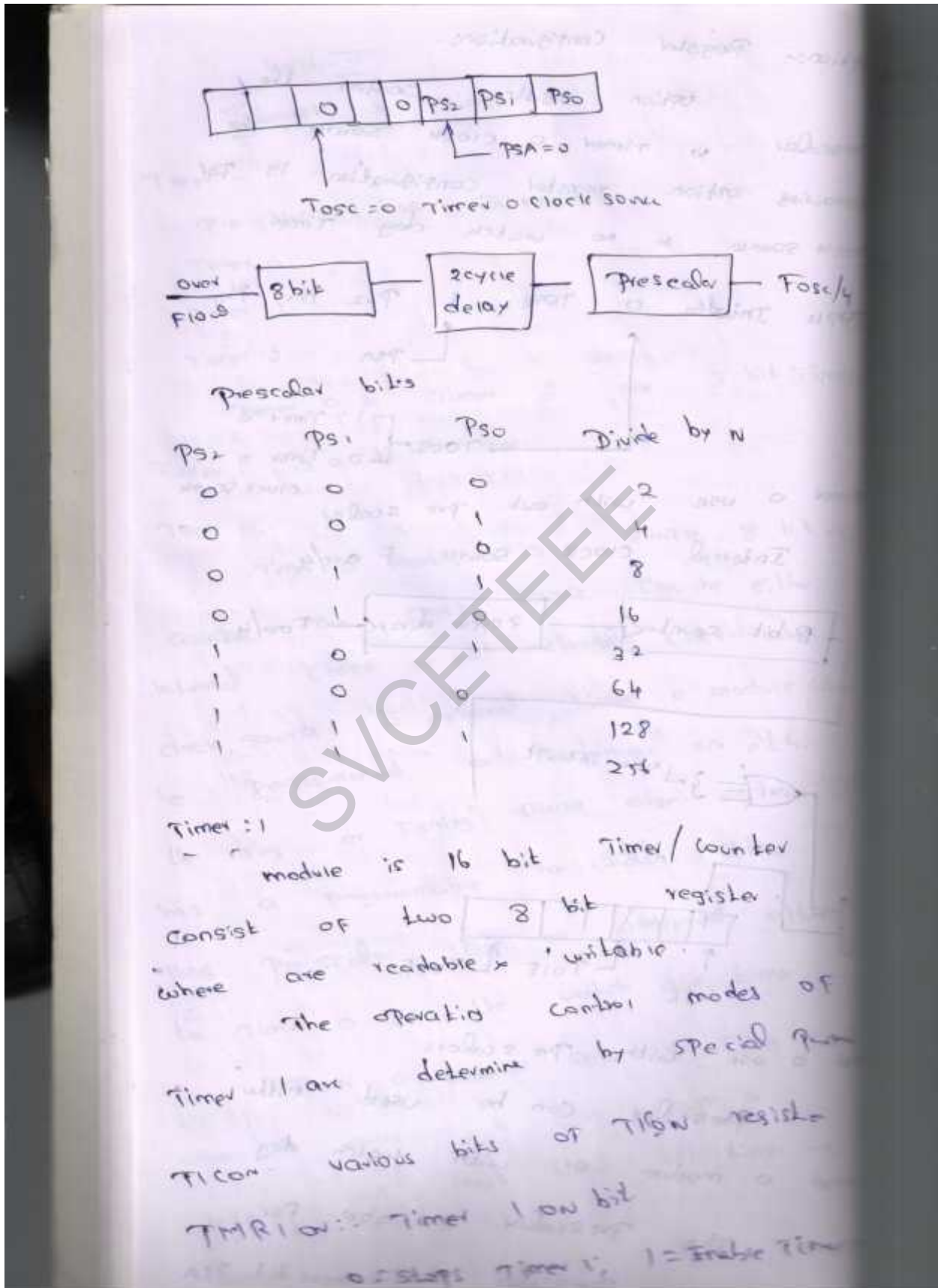


Timer 0 use with pre scaler:-

prescaler can be used either

Timer 0 module or with watch dog

Time The prescaler available for



-	-	TICKPS1	TICKPS0	TIOSEN	TISYNC
---	---	---------	---------	--------	--------

1 = Do not synchronize
 0 = Synchronize

TIOSEN :- Oscillator enable control ckt.
 1 - oscillator is enable.
 0 - oscillator is shut off.

Select bits Prescaler value

TICK PS1	TICK PS0	Prescaler value
1	1	1:8
1	0	1:4
0	1	1:2
0	0	1:1

Timer mode:

Set flag bit

THIR1, THIR0

XCO

TISYNC

Synchronize

RC1/TIOSEN/CCP2

Enable oscillator

Prescaler

Synchronize

Timer mode:-
 As a timer mode timer 1 increment

Counter Mode:

As a counter in counter mode, external clock i/p from pin TCLK 1 is select

Reading & writing Timer 1:-

Reading TMR1H & TMR1L from Timer 1, when it is running from external clock source have to be done with care.

Reading TMR1H or TMR1L for independent problem.

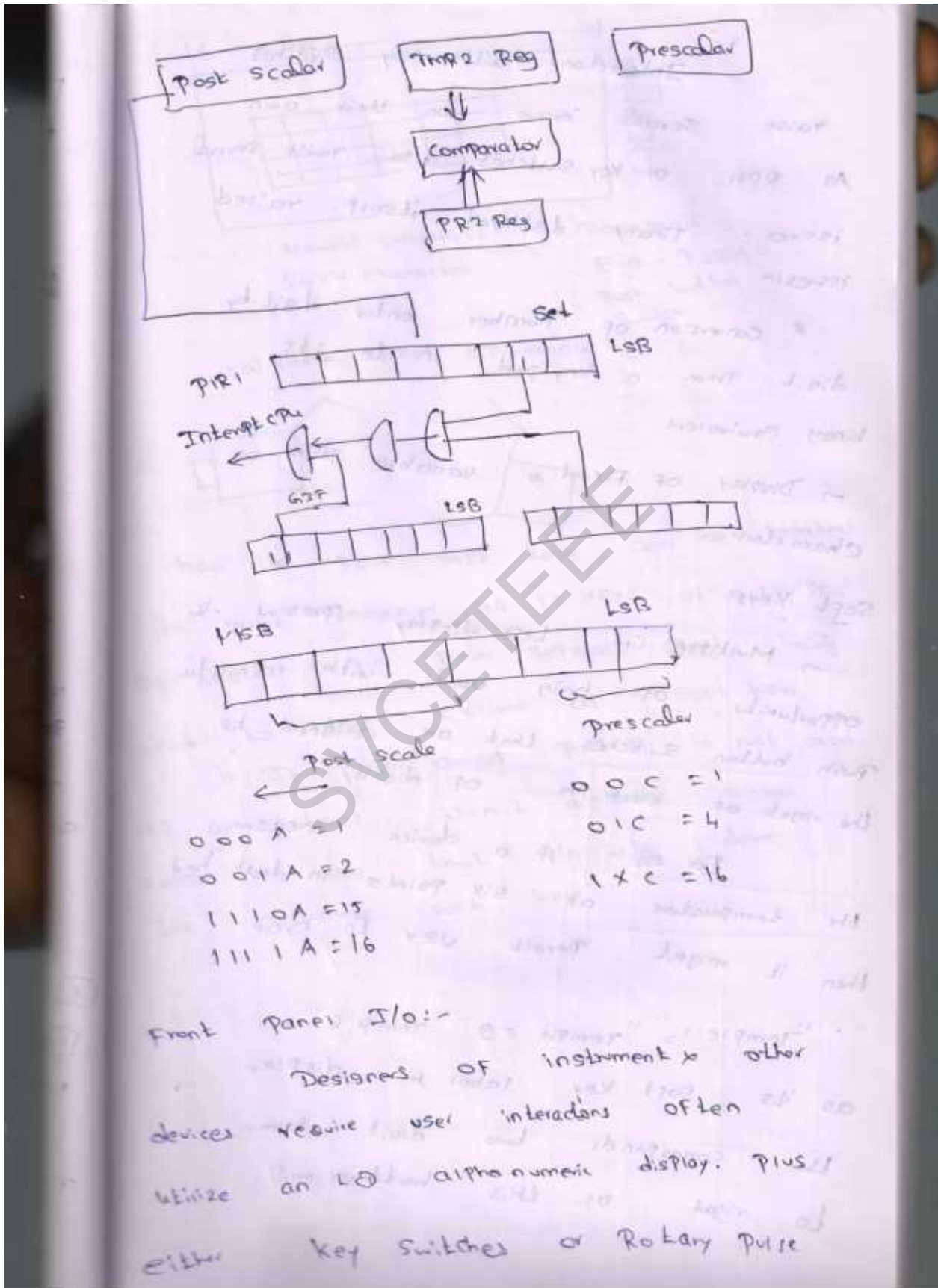
8 bit value does not any when 16 bit value of timer.

Timer 2

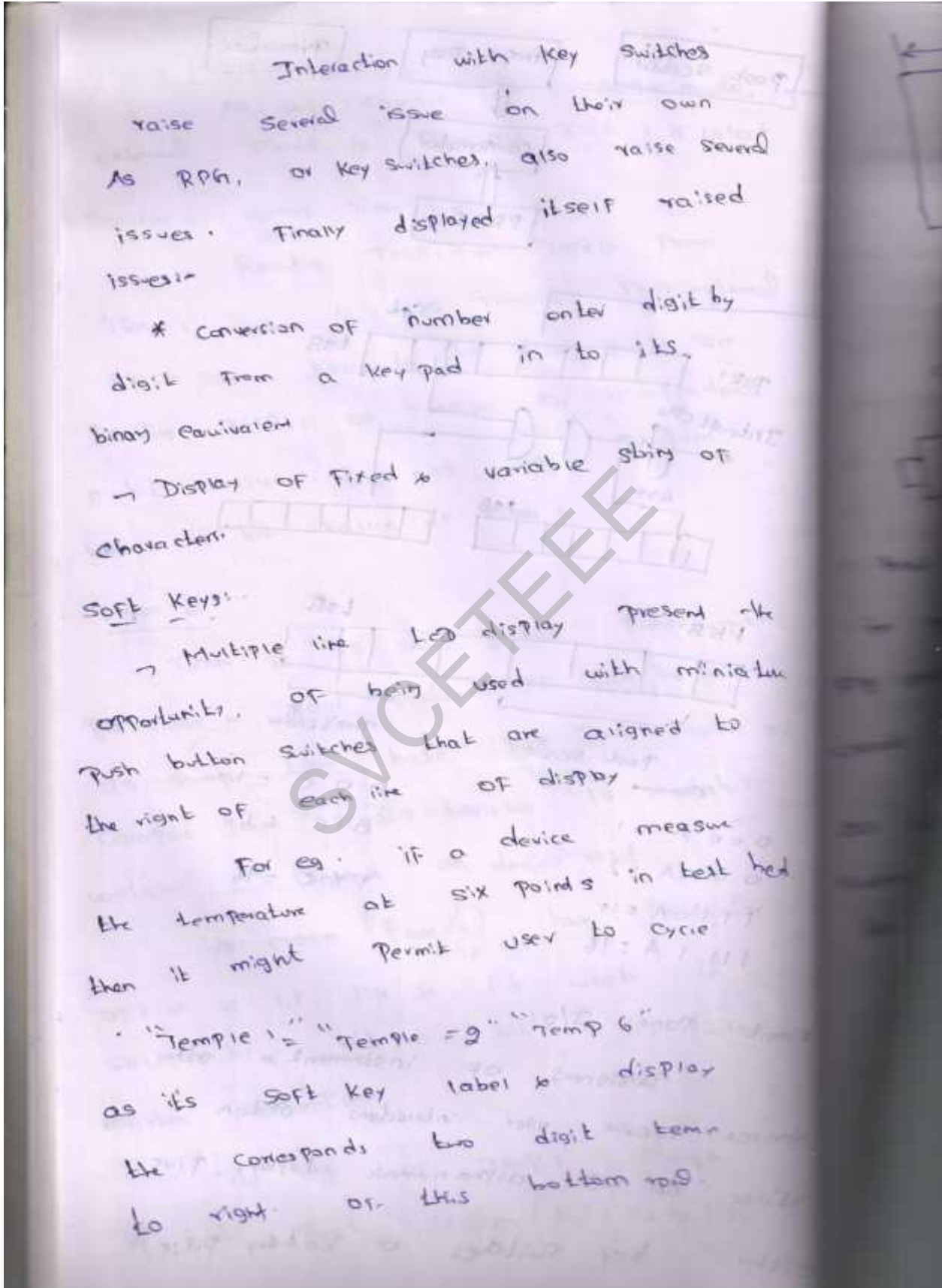
Timer 2 is an 8 bit timer with pre scalar & post scalar. It can be used as PWM time base for PWM mode of CompX PWM. TMR2 register is readable & writable & cleared on device reset.

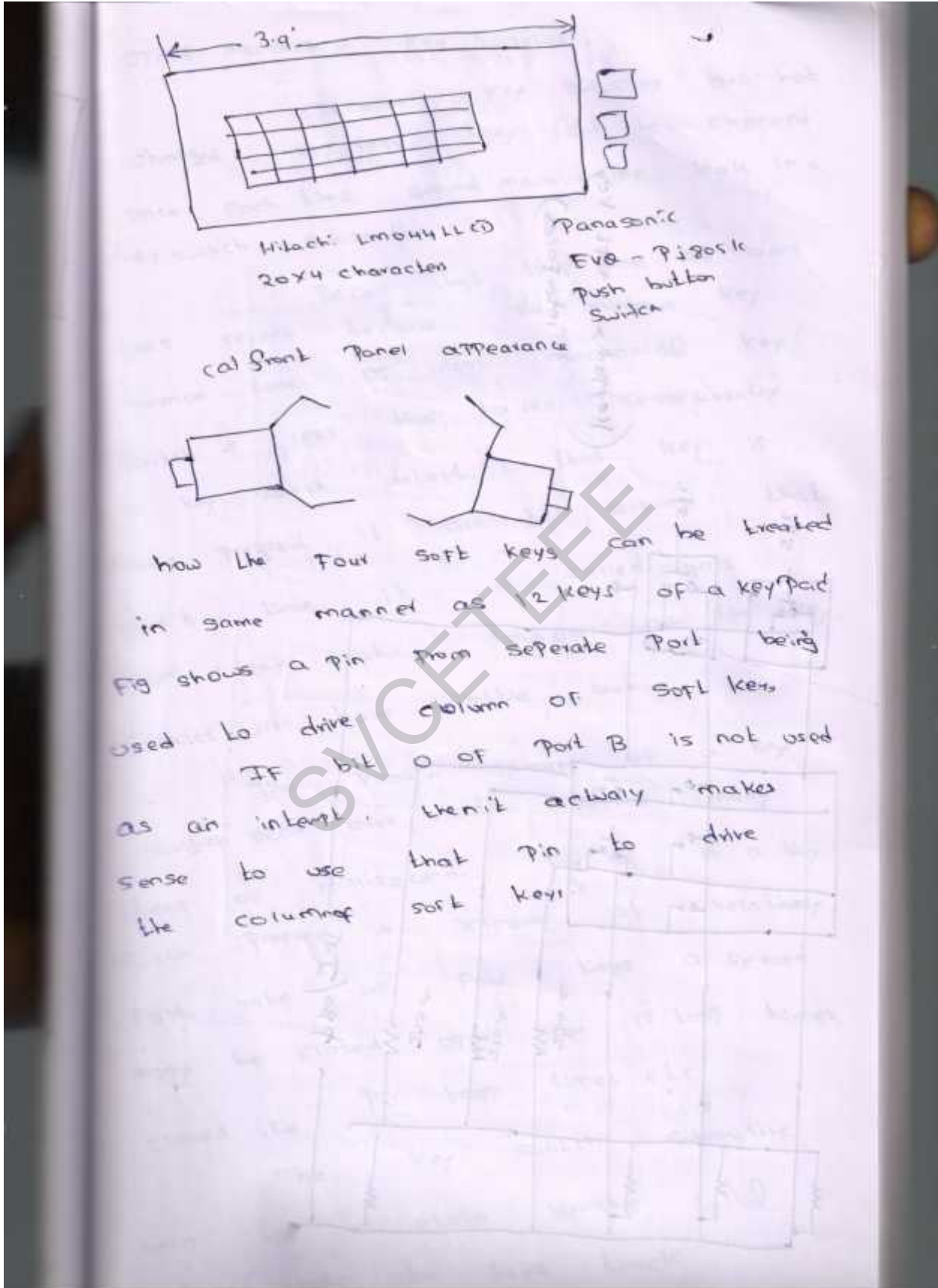
i/p clock ($F_{osc}/4$) has pre scalar option of 1:1, 1:4 & 1:6 which is select by bit 0, bit 1, of T2 control register respectively.

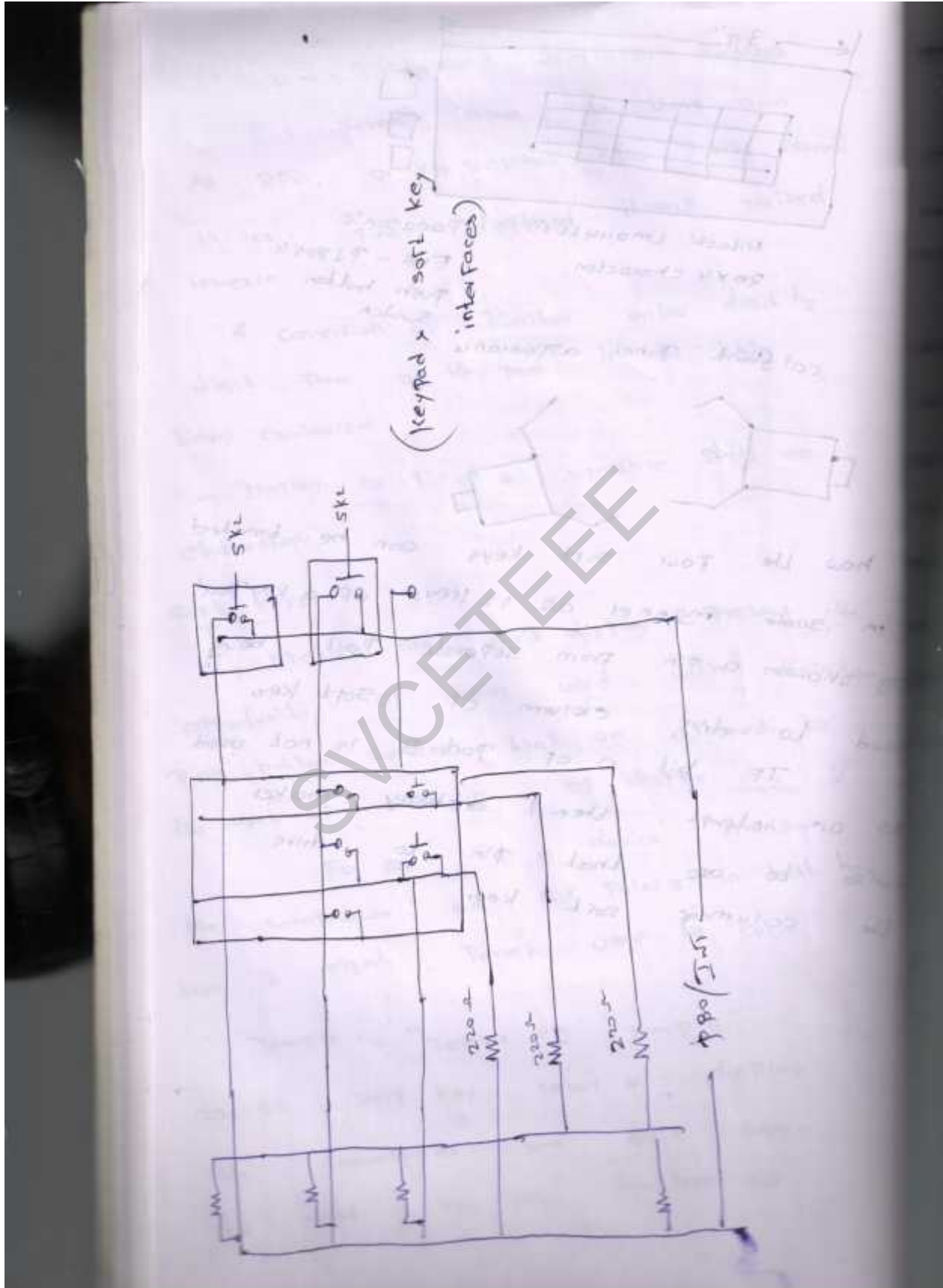
The o/p of TMR2 through a bit post scalar (1:1, 1:2 to 1:16)

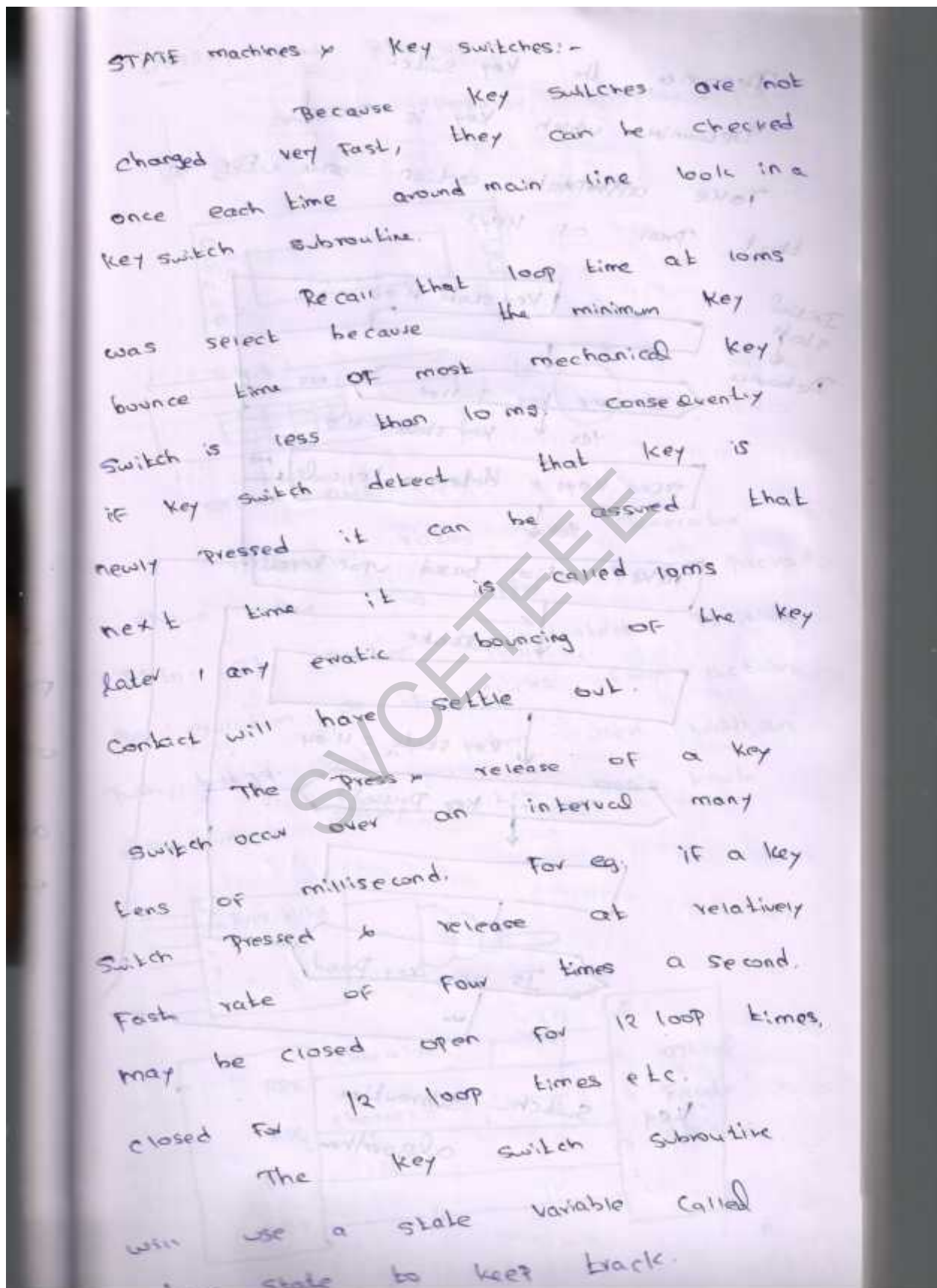


Front Panel I/O:-
 Designers of instrument & other devices require user interactions often utilize an LED alpha numeric display. Plus either key switches or Rotary Pulse

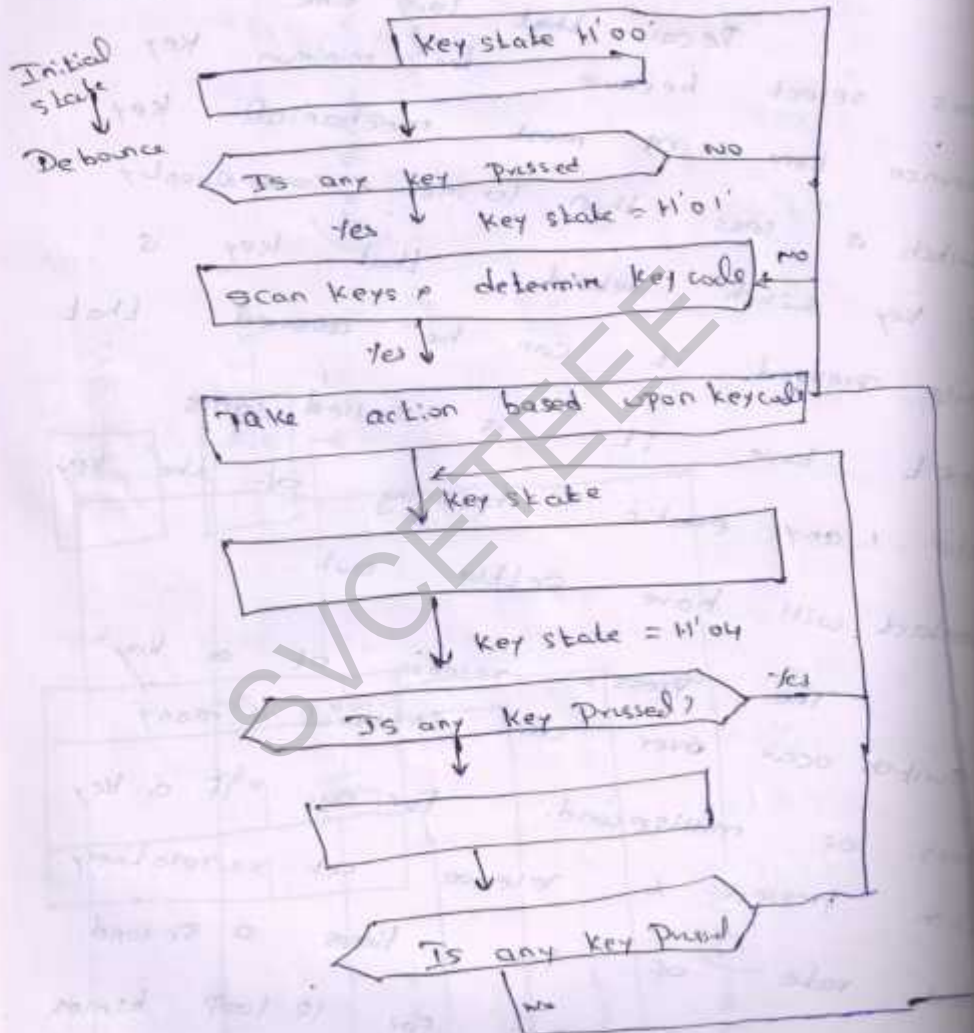








Debounce the key switch
 Determine which key is pressed
 Take appropriate action once for
 that press of key.



Key Switch Subroutine algorithm.

