

Requirements:

* 6 Buttons, 18 Pins, - 8 MTC, LPTD, LPTT

- ↳ Increment ? - 2 : one to increment seconds, one to increment minutes
- ↳ Decrement ? - 2 : one to decrement seconds, one to decrement minutes
- ↳ Set - 1 SBT-MODE RUN-MODE
- ↳ Reset-Run - 1

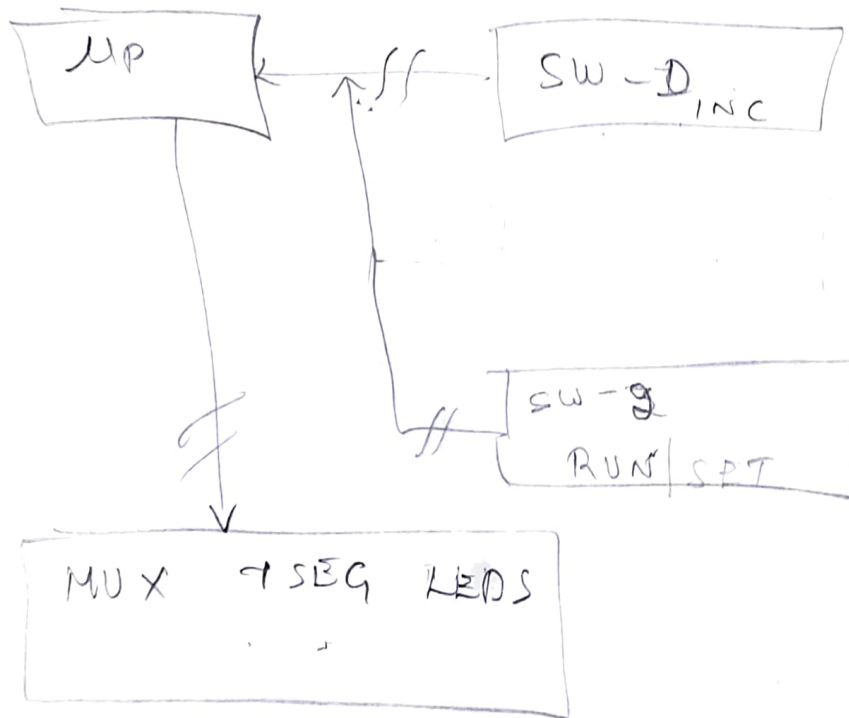
* MUX, 4-7 Segment LED's

* Code word 00000000 1012 EN

② Digital Clock

- * if incremented it should move to minutes.
- * if set is pressed then we can incre

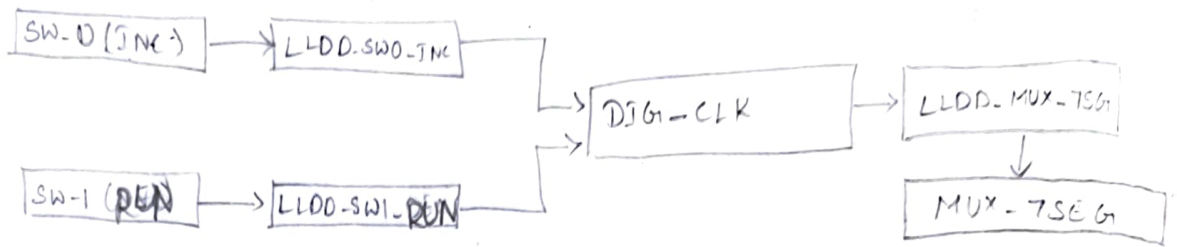
BLOCK DIAGRAM - H/W



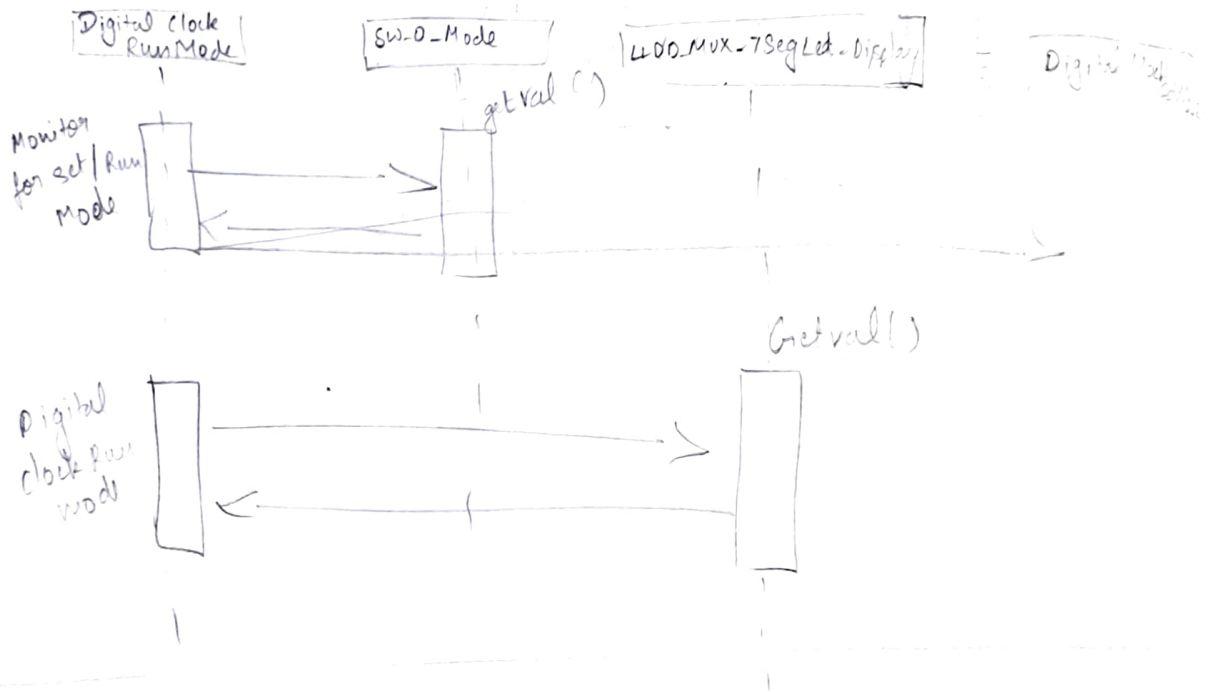
BLOCK - DIA - SW

Digital clock

BLOCK-DIG-S/W



Sequence - 1 Run Mode



Run Mode

Action



SW-D (RUN/SET)



Digital clock



LDP-mux-7SEG-LED

VC-2 SET-MODE

Action



SW-1 (RUN/SET)



SW-D INC



Digital Clock



LDP-mux-7SEG-LED

Sequence 2 set mode

Digital Clock
set Mode

Sw. O. Mode

Sw. 1 - JAC

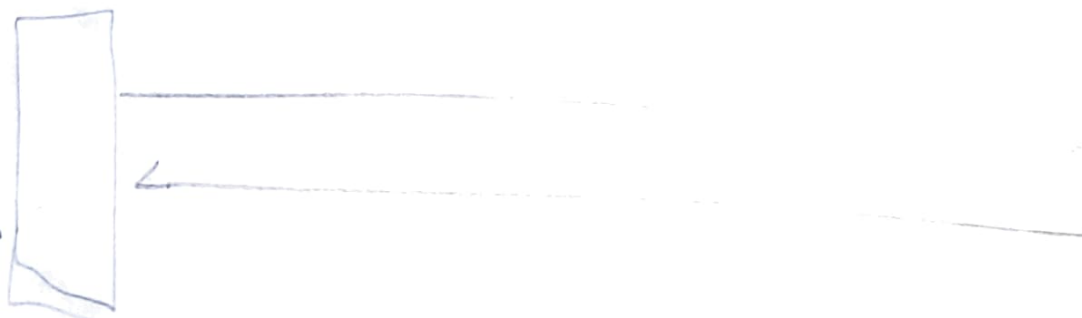
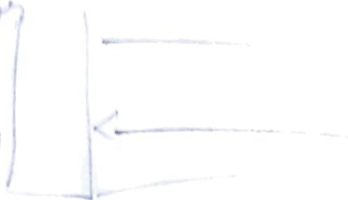
LIOD. Mode 70

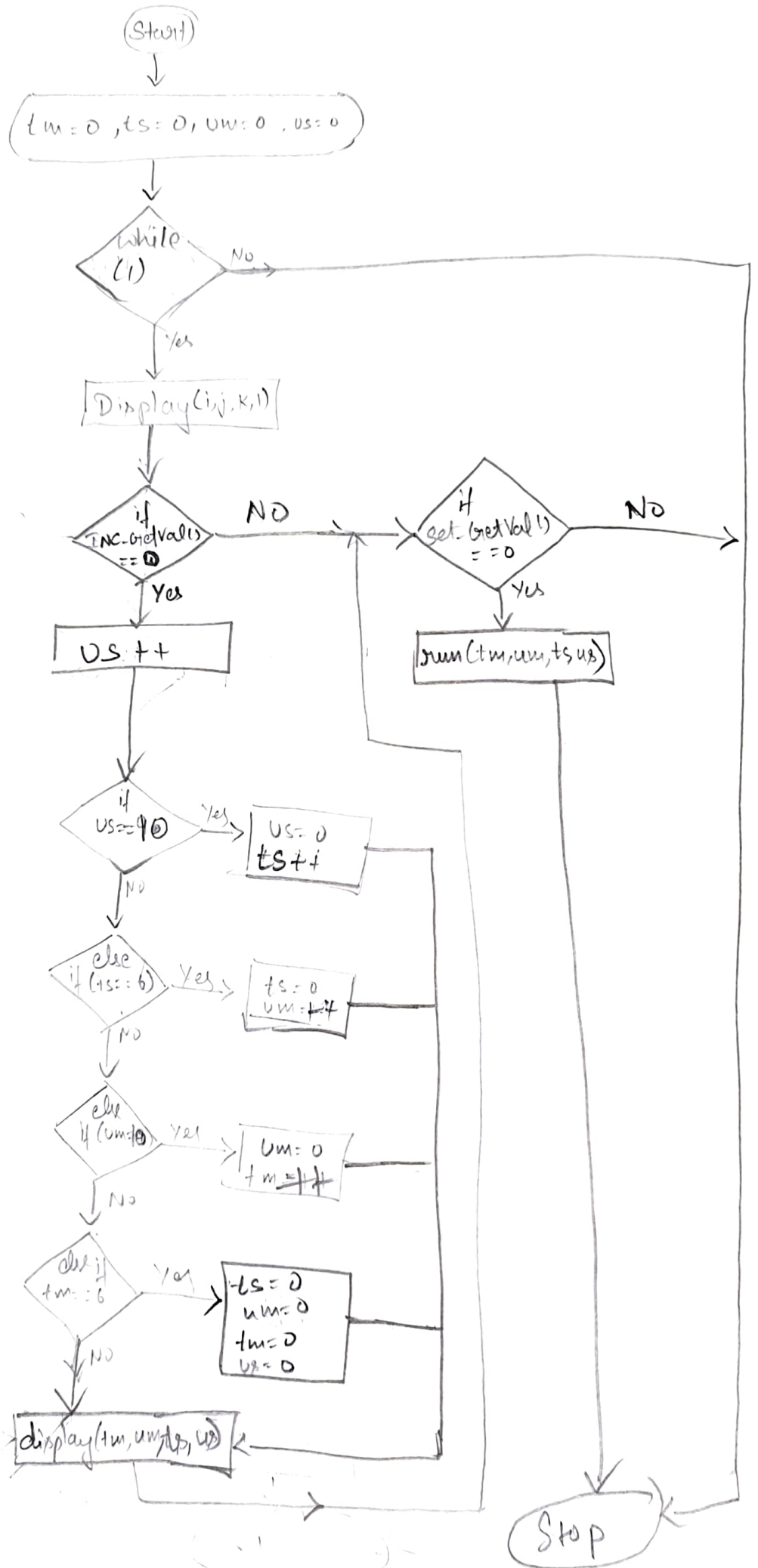
Get val

Monitor
for
set / run
mode

Monitor
for
Swc
Switch

Digital
Clock
Run Mode





Flow chart for Set/son mode :

