

SATE !

- 7 segment display displays frost no of destination.

observation :-

interfacing lift elevator module with Raspberry-17-3
import RPI. GPTO as GPTO
import time

Floor bytton0 = 37

Floor Bytton 1 = 35

Flourpyttons = 19

Liftbytton0 = 15 Liftbytton1 = 11 LiftBytton2 = 38

Liftbuffons = 36

GPlo setup for LEDS
Floorled 0 = 16
Floorled 1 = 13

Floorled 2 = 7 Floorled 3 = 40

GPTO setup for 7 seg display

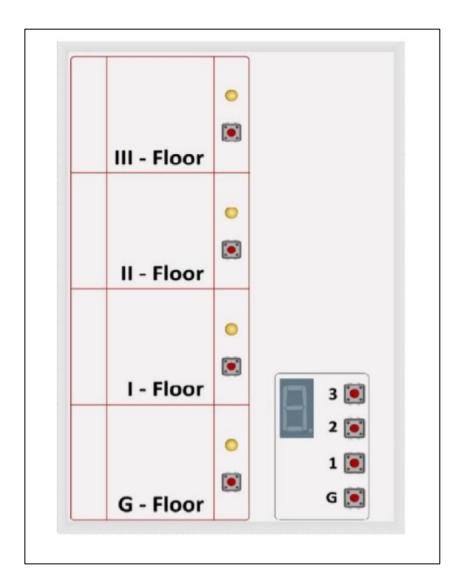
SegAPin = 18 SegBpin = 22

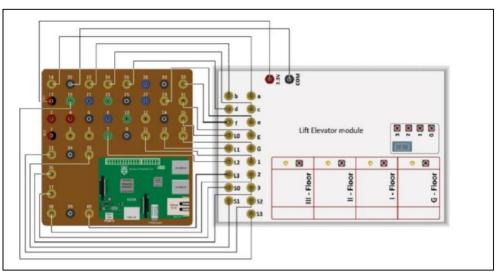
sey (Pi) = 24

Seg Dpin = 26

Sestan = 29

segfpin = 32 segfpin = 31







GPTO-Setmode (GPTO-BOARD) GPTO-Setwarnings (F915e)

GPTO setup (Floor buttono, GPTO. in)
GPTO-setup (Floor button), GPTO. in)

GPTO. setup (liftby Hono, GPTO. in)

GPTO Setup (seg APID, GPTO.OUT)

GPIO. setyp (seg & Pin, GPIO. OUT)

GPIO. setyp (seg & Pin, GPIO. OUT)

GPIO. setyp (seg DPin, GPIO. OUT)

GPIO. setyp (seg EPin, GPIO. OUT)

GPIO. setyp (seg FPin, GPIO. OUT)

GPIO. setyp (seg FPin, GPIO. OUT)

gpin = [18,22,24,26,29,32,315]

def digdisp (digit):

for x in range (0,7):

GPTo. output (gpin (x), digital-EX)

for in range (0,7): GP TO GUTPY+ (gpgin [4], digit [x]) while True: if Capto input (troopy Hono) = True); GPIO. output (Mourled, 0,1) pnof 'o' digdisp (digito) time. sleep (1) GPTO. oytoyt (foorledo, 1) time sleep (3) While True: if (GPZO. input (liftbutton) == True): priof 'floor' ONE: diadisp (diait o) bine. sleep (1) diadisp (digit1) time-slepp(2) break elif (Gp to input (lifebuffon 2) == True): print foor Two' digdisp (digito) time-sucep (1) dig disp (digit 1) tine sleep (1) digdisp (digitz) time-sleep (2) break

CONTR.

elif (GPTo input (Liftbuffons) == True):

print 'froor Three'

digdisp (digito)

bine sleep (1)

digdisp (digit)

bine sleep (1)

digdisp (digit)

digdisp (digits)

bine sleep (1)

digdisp (digits)

bine sleep (2)

break

elif (GPIO-inpyt (floopbytton 1) == True):

GPIO-sutpyt (floopled1,1)

print'11

digdisp (digito)

time-sleep (1)

time-sleep (1)

time-sleep (4)

GPTs. output (from led 1,0)

while True:

if (ap Io inpyt (lift byttono) = = True):

print 'frow ZERO'

digdisp (digit2)

time sleep(1)

digdisp (digit1)

time sleep(1)

digdisp (digito)

time sleep(1)

brak elif (GP 20. input (Iffbuffon) = True): print foot one, digdisp (digita) time-sleep (1) disdisp (disit1) time. sleep (2) bleak elif Capto input (liftbutton 2) = True): print 'frog Two' digdisp (digita) time sleep (2) break PISE: time sleep (3) digdisp (digito) apto. output (foorled 1,0) GP To. 04 tout (floor led 20) apto-output (from led 3,0) GP Tr. outout (froor bed o, o) Conclusion :-Hence, successfully implemented control operation of lift elevator module by using Raspberry Pi.