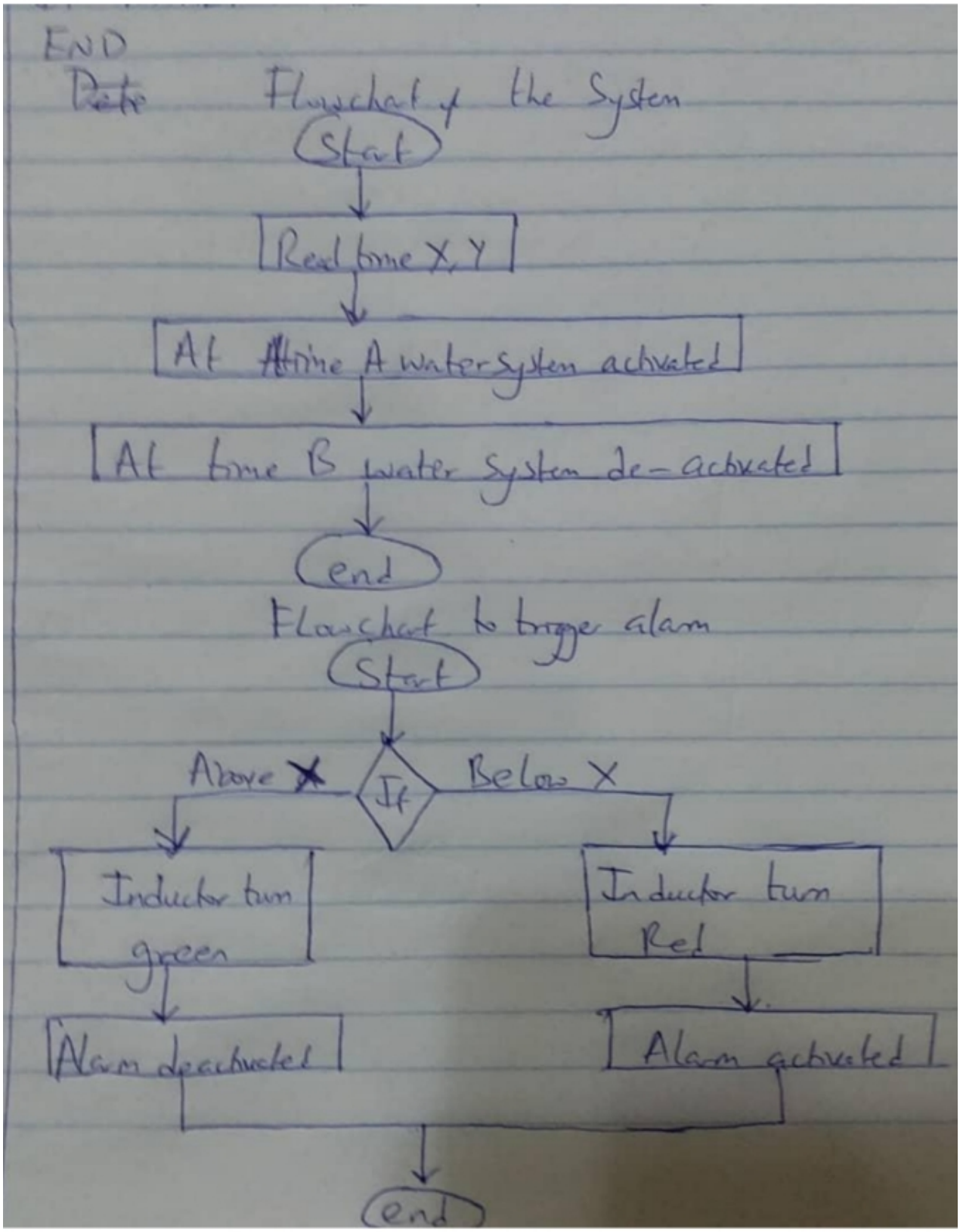
END

Date

Flowchart of the System



Flowchart to trigge alarm

Determine Time Interval for The Syste

START

READ TIME X, Y

TIME = Y ACTIVATE SYSTEM

TIME = Y DE-ACTIVATE SYSTEM

END

Alarm for low water in Soil

START

READ X LITRES

IF WATER IS ABOVE Y LITRES

INDICATOR TURNS GREEN

IF WATER IS BELOW X LITRES

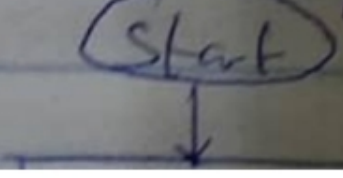
INDICATOR TURNS RED

ALARM IS ACTIVATED

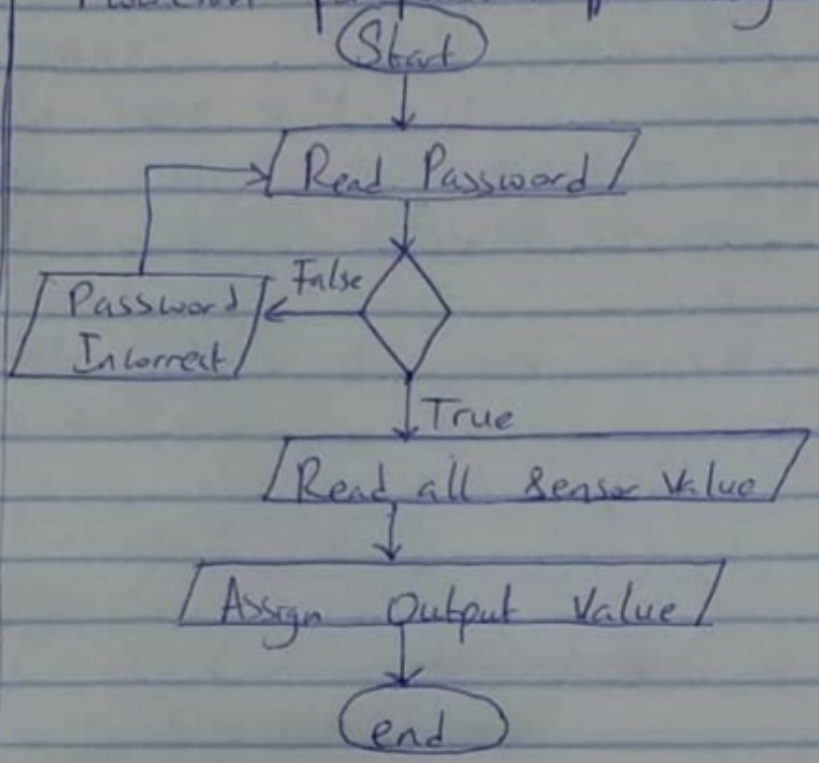
IF WATER IS ABOVE X LITRES

END

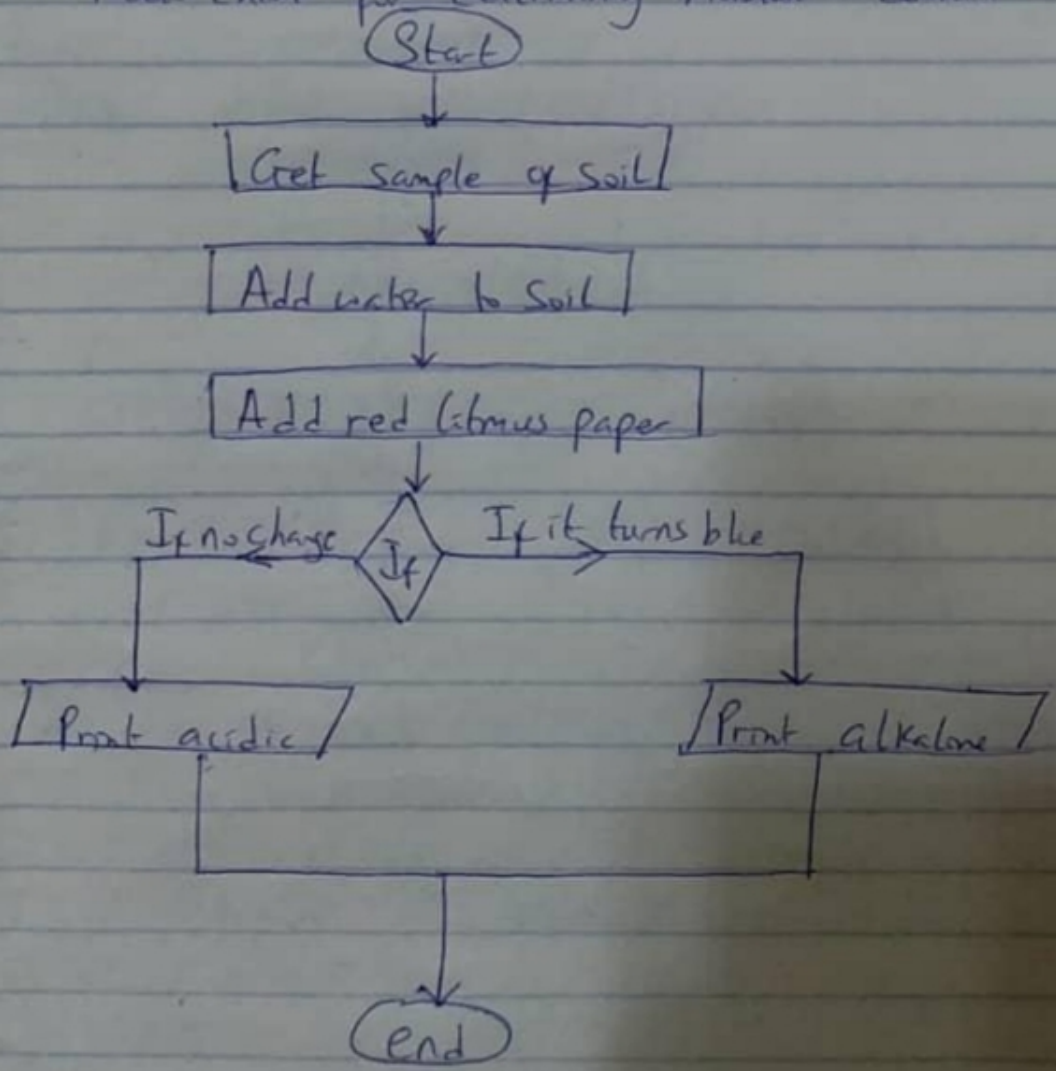
Data Flowchart of the System



Flowchart for password for the system

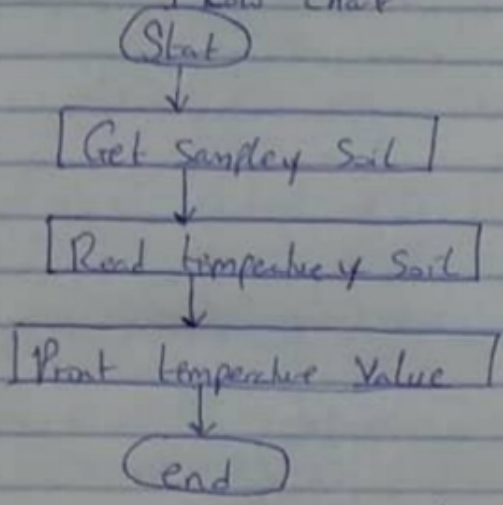


Flow chart for determing moisture Content



Determine the temperature of the soil
START
GET SAMPLE OF SOIL
READ TEMPERATURE OF SOIL
PRINT TEMPERATURE VALUE
END

Flow chat



Determine moisture content of the soil
START
GET SAMPLE OF SOIL
ADD WATER TO SOIL
ADD RED LITMUS PAPER TO MIXTURE
IF RED LITMUS PAPER TURNS BLUE
PRINT ALKALINE
IF IT DOES NOT CHANGE
PRINT ACIDIC
END

Determine password for the system.
START
READ PASSWORD
IF INCORRECT
PRINT ACCESS DENIED
IF CORRECT
PRINT ACCESS GRANTED
READ ALL SENSOR VALUE
ASSIGN OUTPUT