CITY UNIVERSITY
FACULTY OF ENGINEERING
INFORMATION TECHNOLOGY
MARITIME STUDIES

Smart Plug System

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Spring 2024

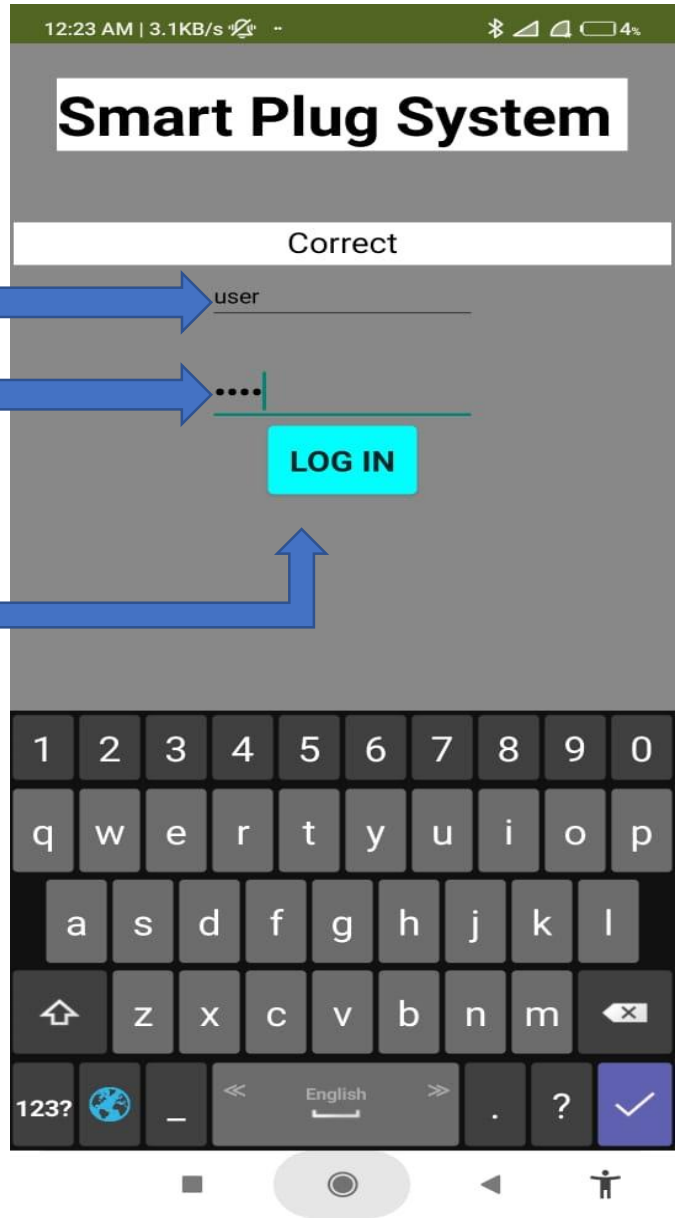
Iteme Number 101

LOG IN SCreen

Insert user in Username label

Insert user in Password label

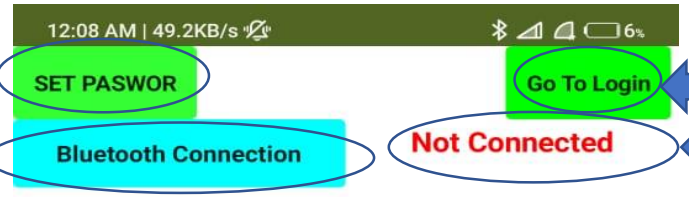
Press LOG IN
At first time open the app



Second Screen

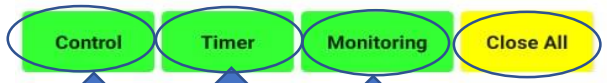
Go To Set Password Screen

Select Bluetooth Connection “ESP32_BT_M.H.
And activate Bluetooth on you're phone



Go To Log In Screen

Indicate if the device Connected to Plug or Not



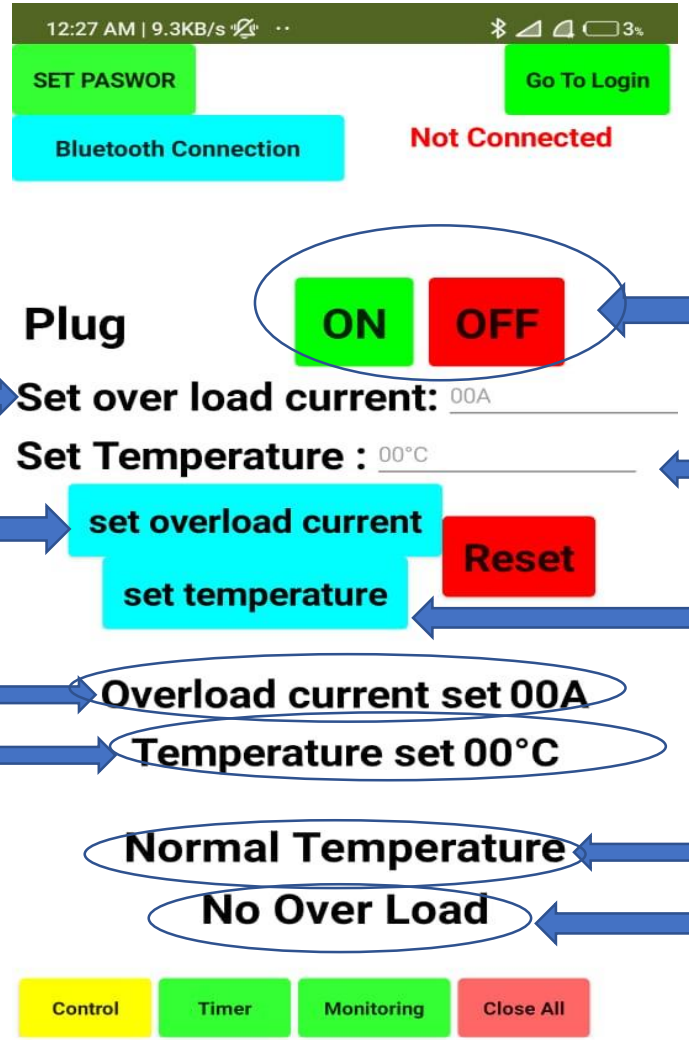
Close All Screens

Go to Control Screen

Go to Timer Screen

Go to Monitoring Screen Screen

Contro Screen



Press on Button To turn Plug ON Press OFF Button To turn Plug OFF

Set the overload between 0 and 4.5 Then Press Set Overload current

Set the TemperatureThen Press set Temperature

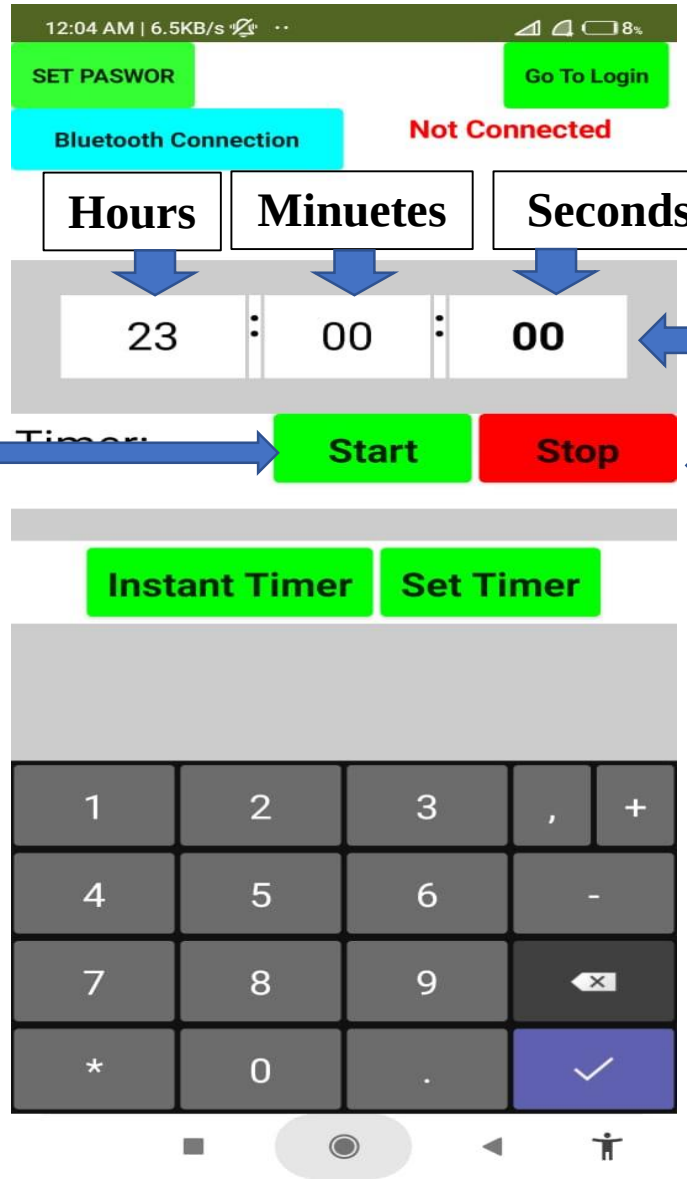
Indicate the overload that the user Set

Indicate the overload that the user Set

Indicate if Over Heat occurred

Indicate if Overload occurred

Timer Screen => Instant Timer Screen



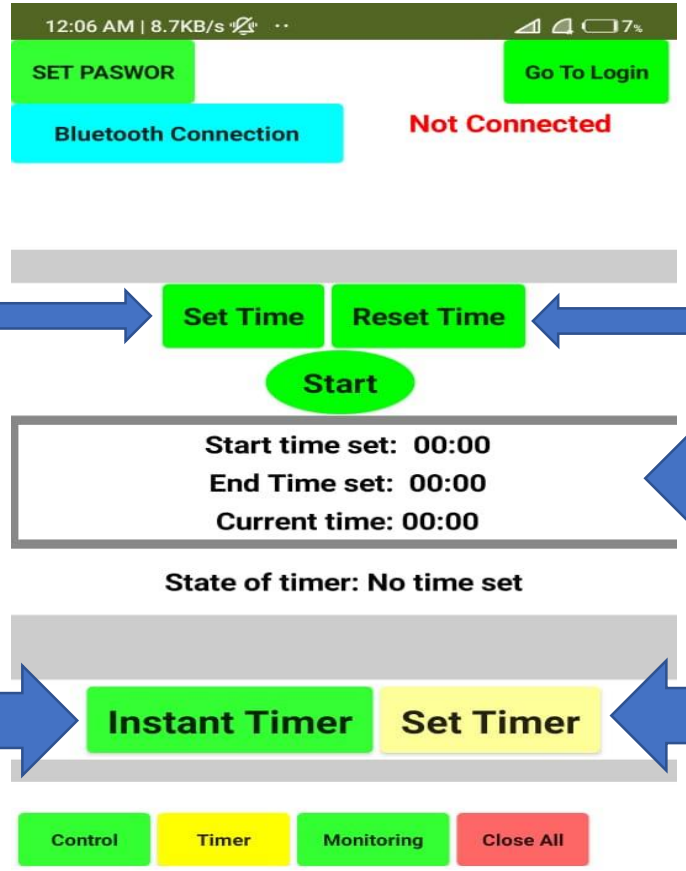
Set Hours, Minutes or Seconds

Start, the timer Start count down to Zero After the time you Set

Stop to Reset Hours, minuets and second to zero

Timer Screen => Set Timer Screen

Press Set Time to Set Start time and The end.The Plug will turn On in between the time that you set and turn OFF atomaticly when the time it become outside the time interval



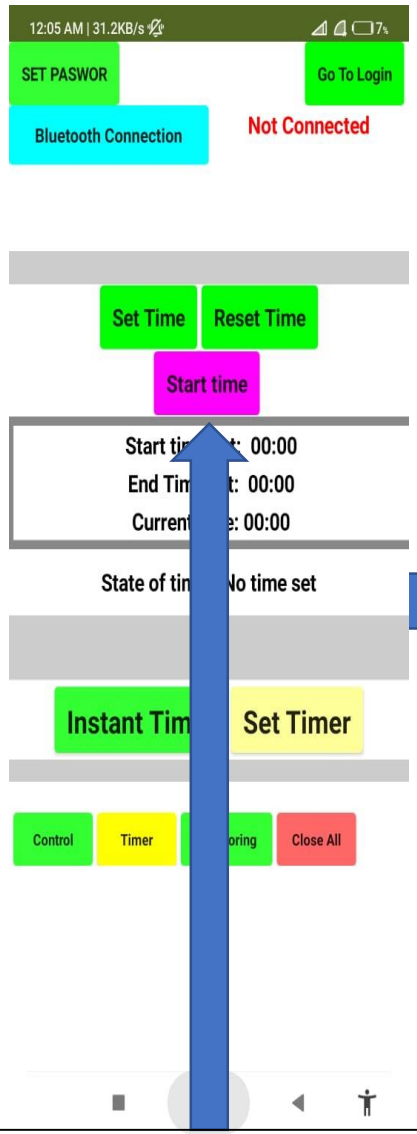
Reset Time so you can reset time to zero and turn OFF this Interval, the Plug will not turn on again until a new Interval being set

Show the start time you Set, End time and the current time on youre phone

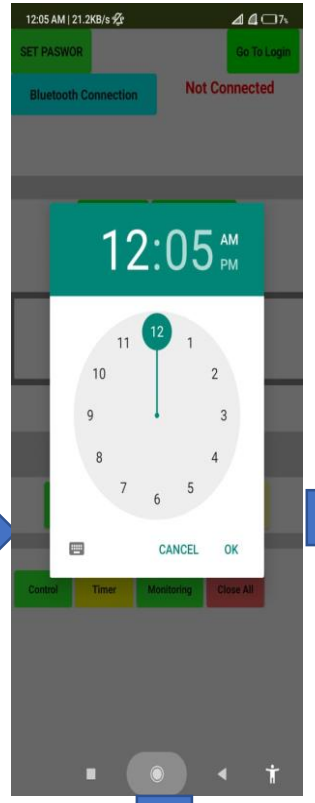
To open the Instant Timer Screen

To open the Set time Screen

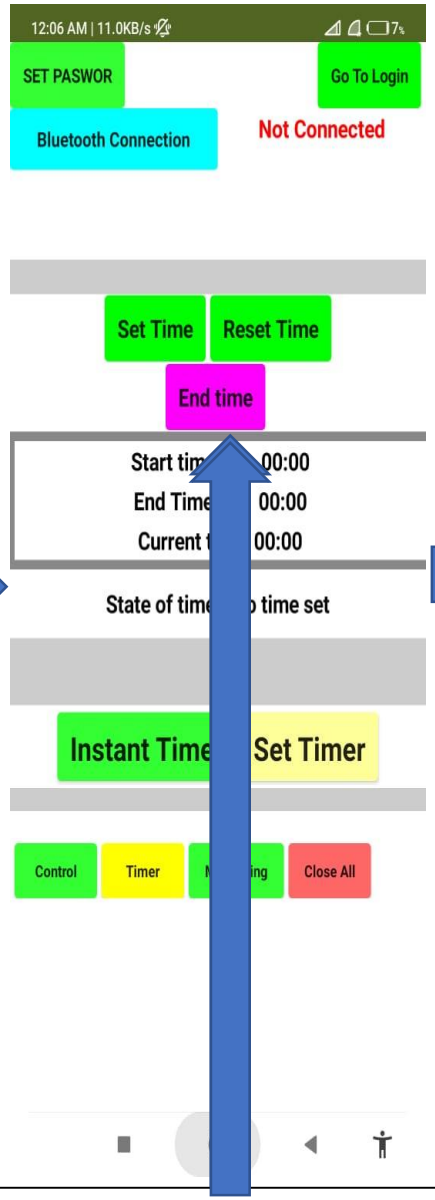
Timer Screen => Set Timer Screen: Set Time



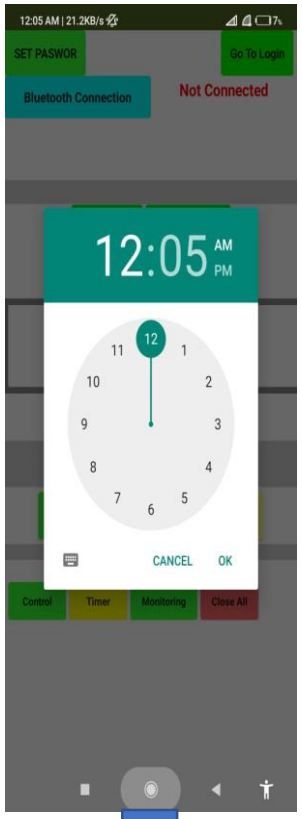
Press Start to Set Start time



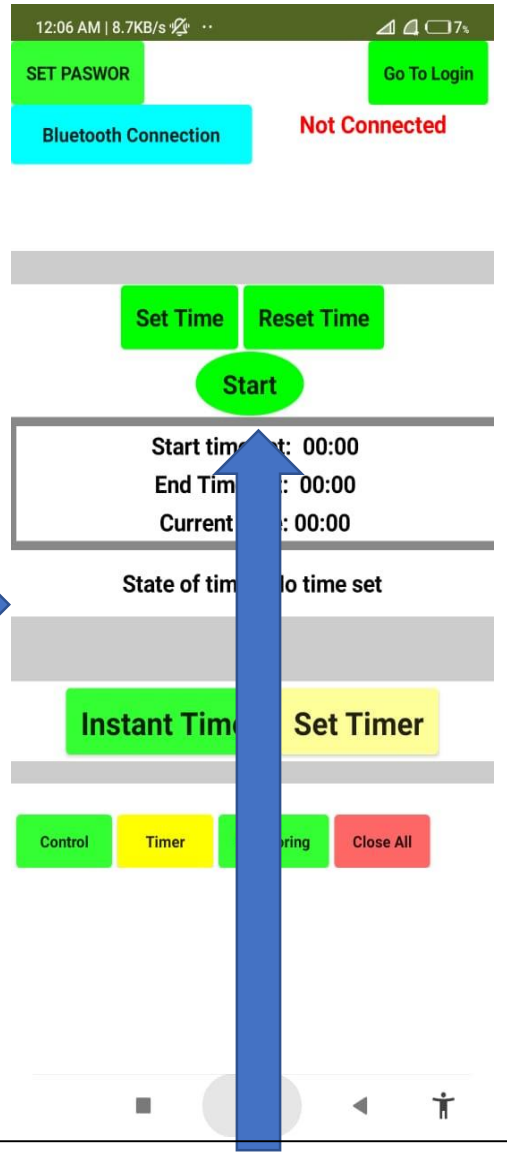
Set start time for Example 8:30 Am



Press End to Set End time

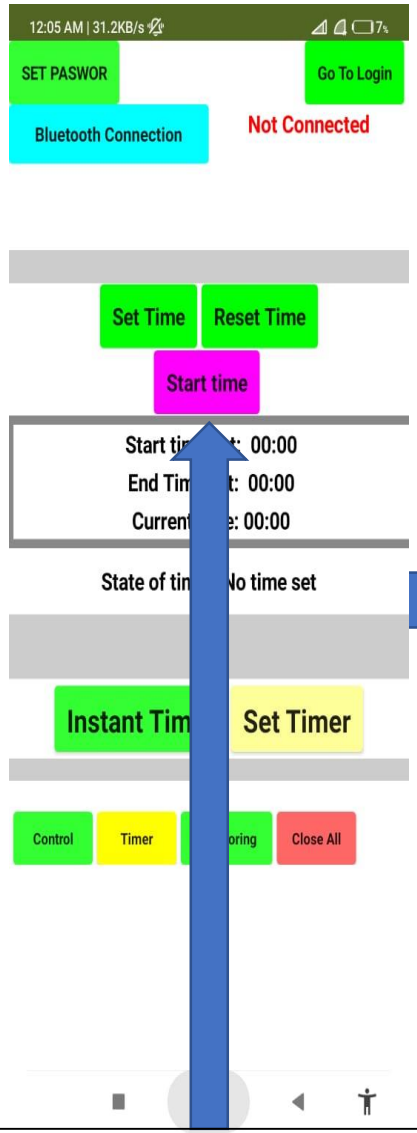


Set End time for Example 9:45 Am

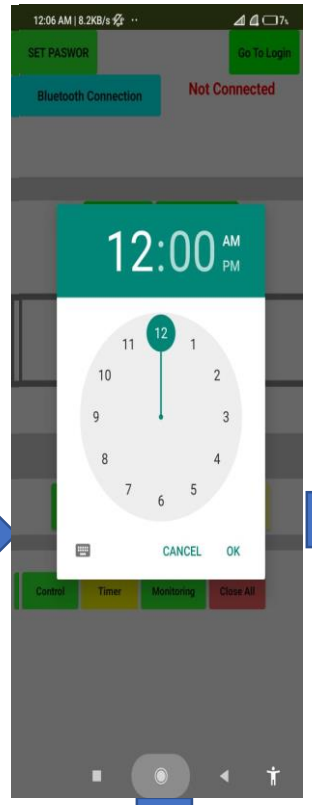


Press Start to Set Start time and turn ON The Plug between these two Interval

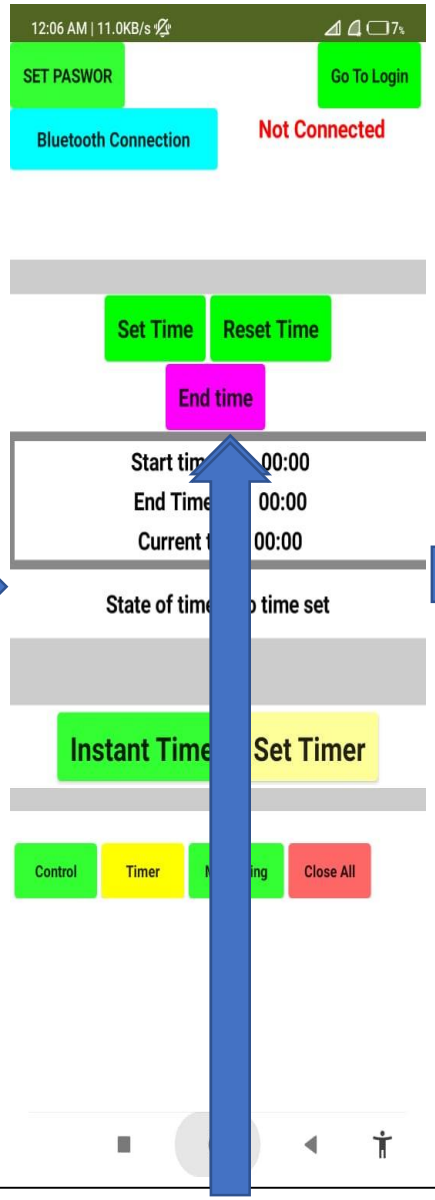
Timer Screen => Set Timer Screen: Reset Time



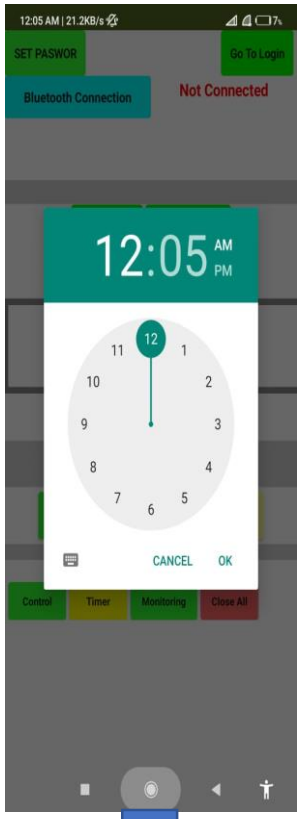
Press Start to Set Start time



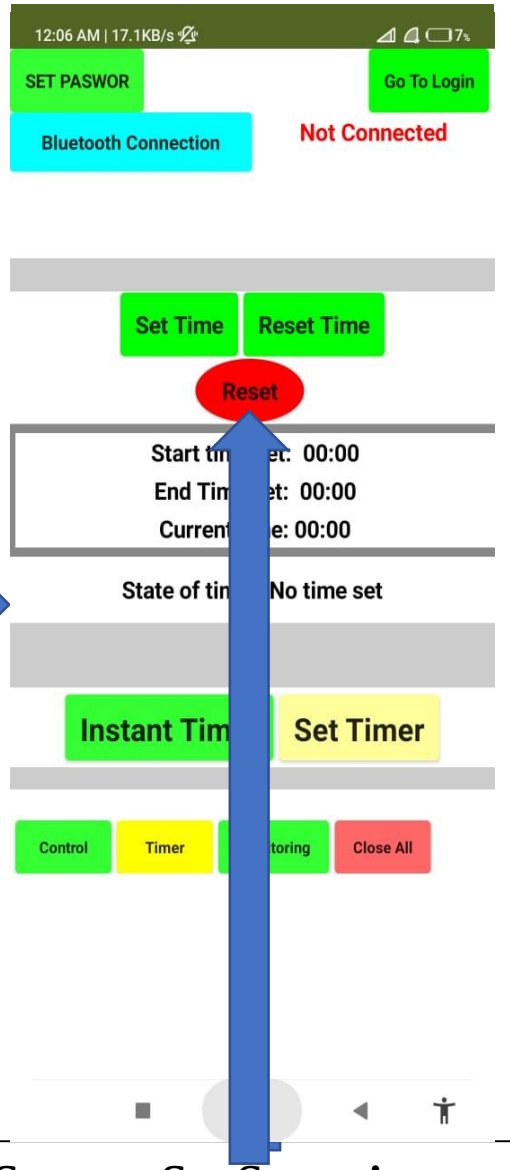
Set start time to 12:00 Am



Press End to Set End time

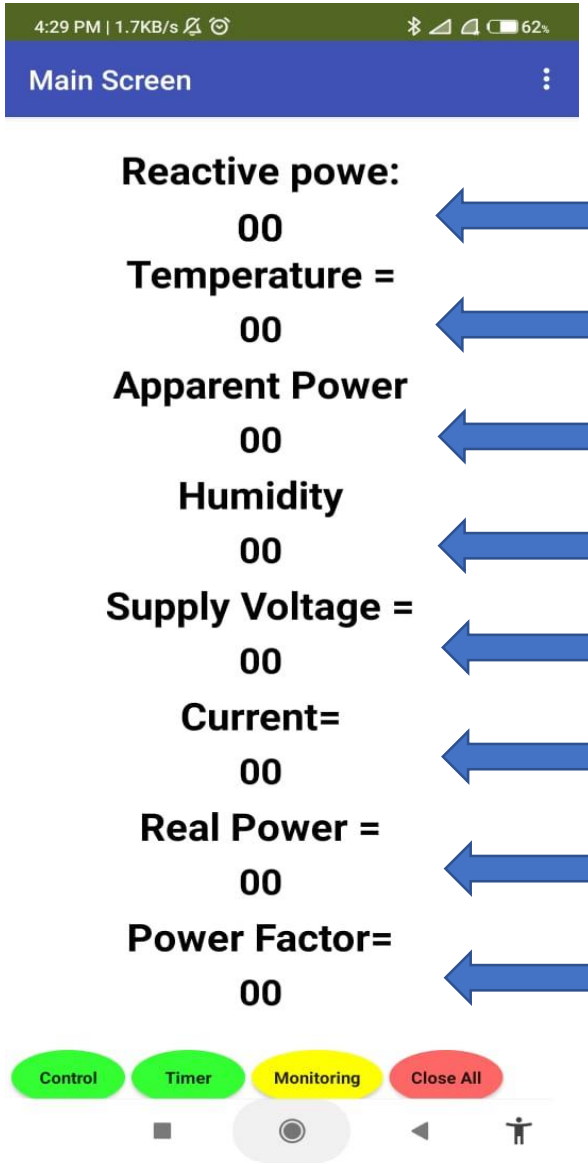


Set End time to 12.00Am



Press Start to Set Start time and turn ON The Plug between these two Interval

Monitoring



Display Reactive Power

Display Temperature

Display Apparent Power

Display Humidity

Display Supply Voltage

Display Current

Display Real Power

Display Power Factor