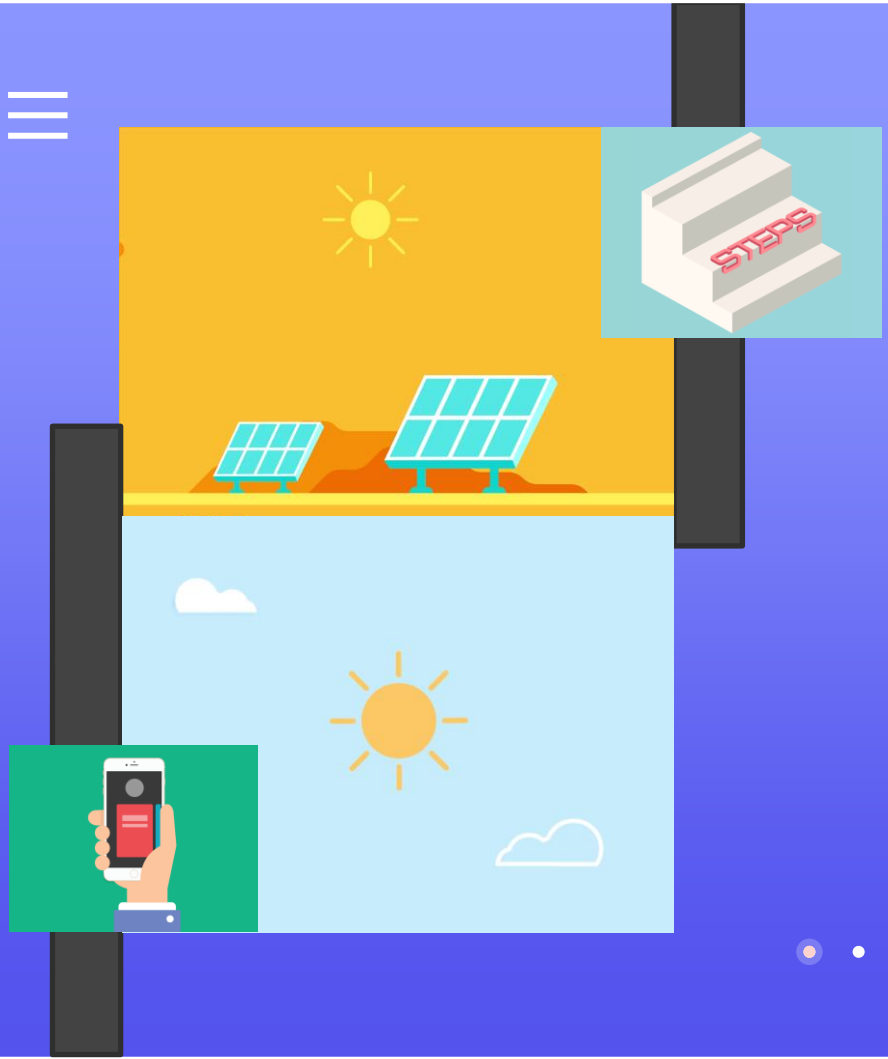
Philosopher's Stone.



PRESENTATION OF RENEWABLE ENERGY CIRCUIT +IOT

Circuit consist of Solar, Piezo and IoT elements.

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GENERAL FLOWCHART

General flowchart of solar circuit workaround

CIRCUIT SIMULATIONS

Proteus & TinkerCAD overview

IOT ELEMENTS

Results of the circuit output

CONCLUSIONS

Achievement have been made on the project

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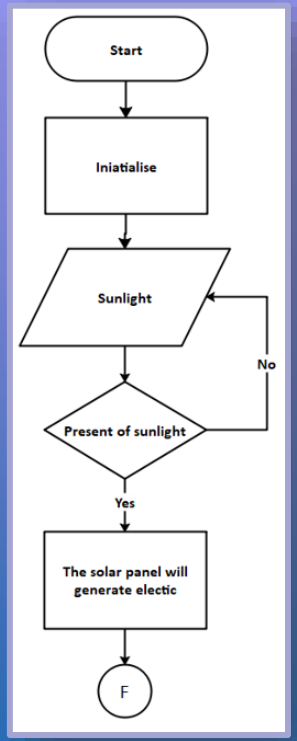
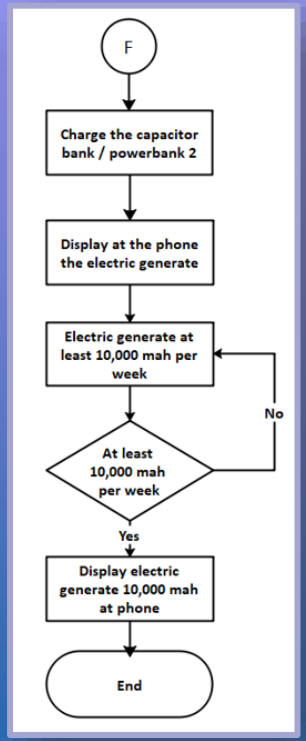
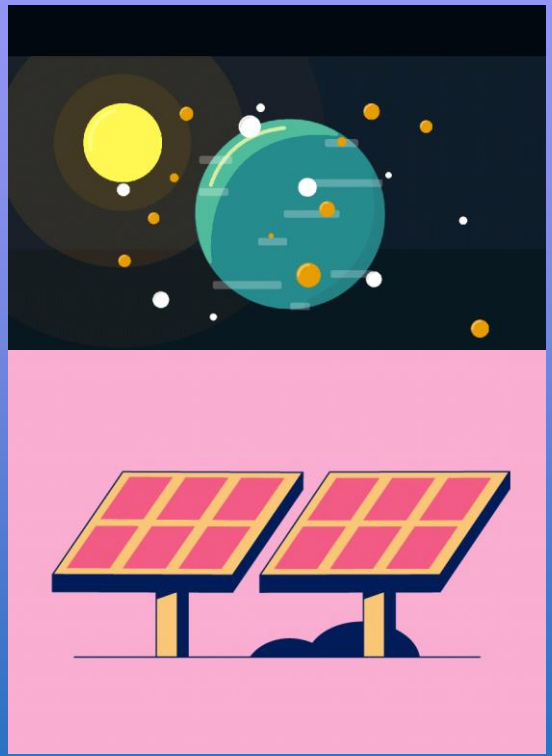
GENERAL FLOWCHART FOR SOLAR CIRCUIT (RE)







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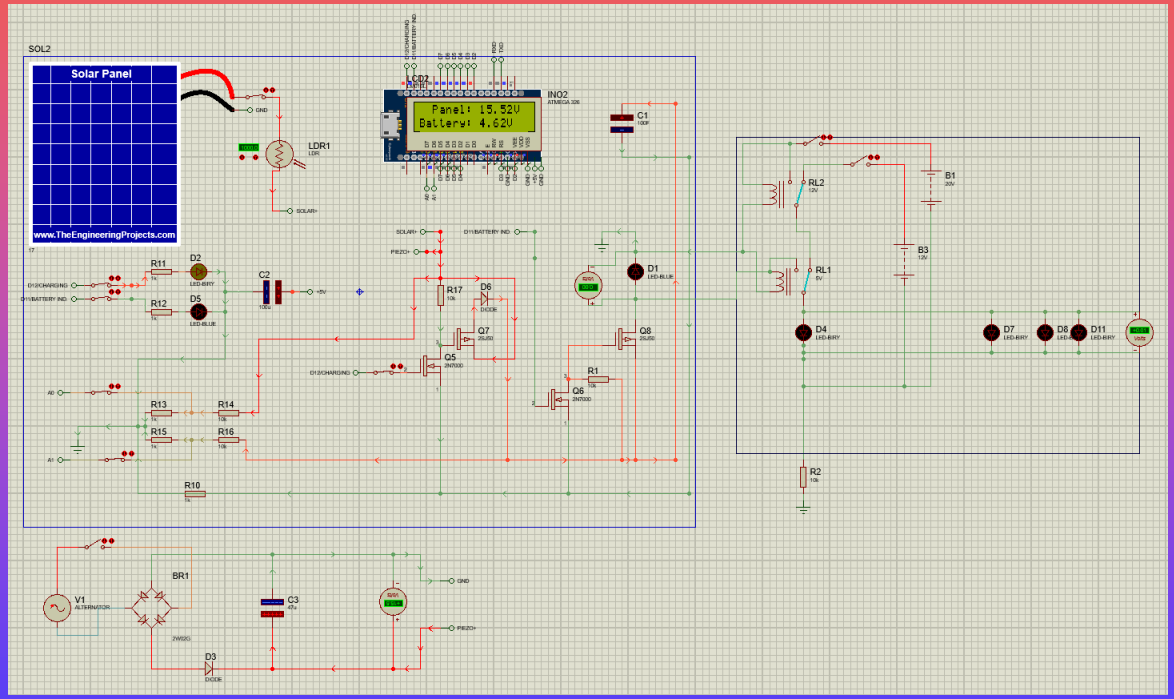
INITIAL CIRCUIT BUILD UP IN PROTEUS



For development & testing component to be placed in simulation

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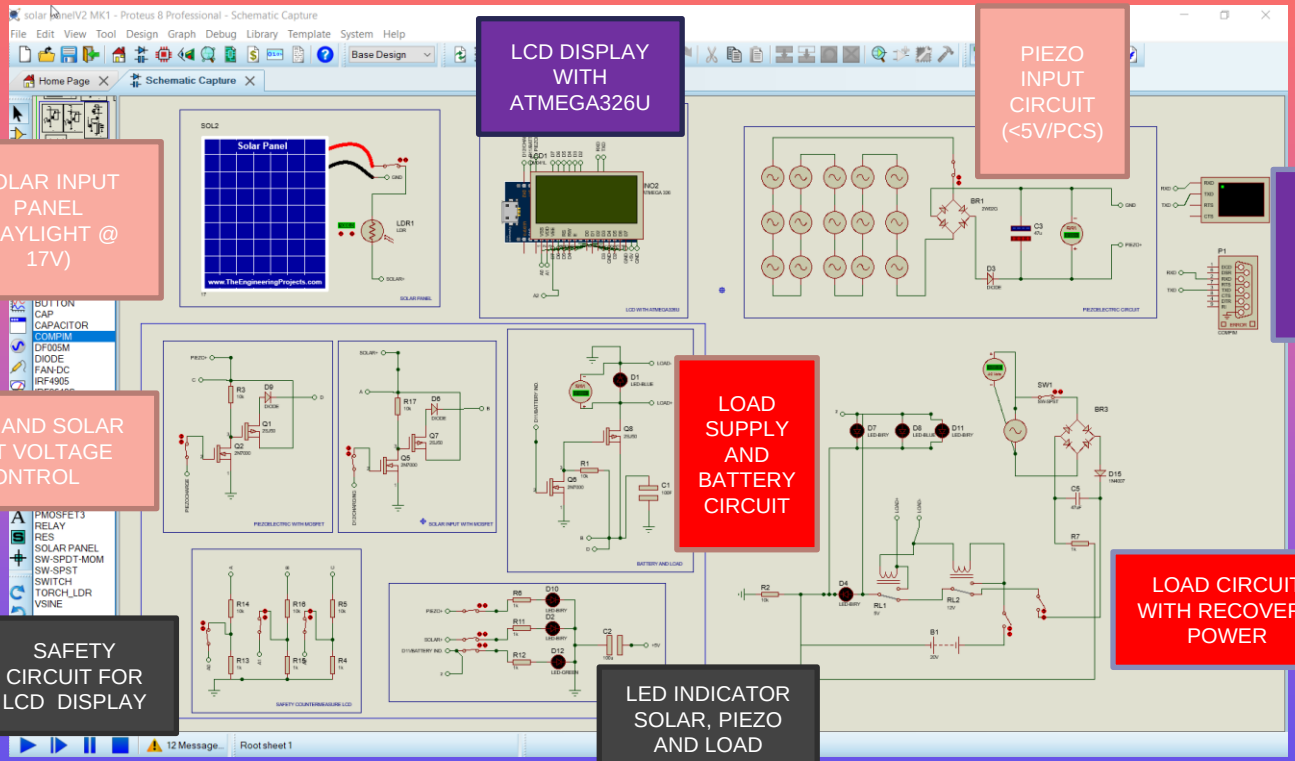
FINAL CIRCUIT BUILD UP IN PROTEUS



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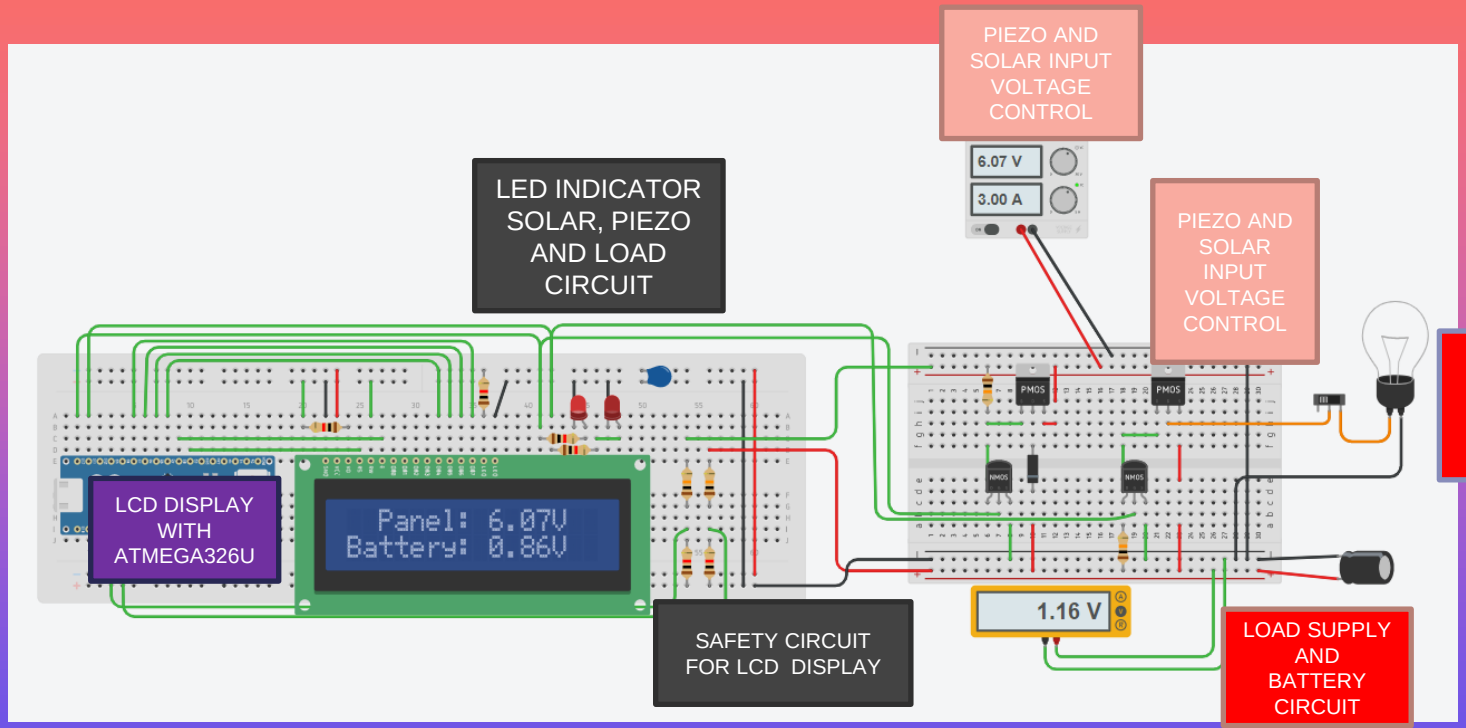
FINAL CIRCUIT (BASIC) BUILD UP IN TINKERCAD



INPUT IOT ELEMENTS OUTPUT INDICATOR /SAFETY

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SIMULATION PROTEUS OVERVIEW & TINKERCAD ON SOLAR CIRCUIT (RE)

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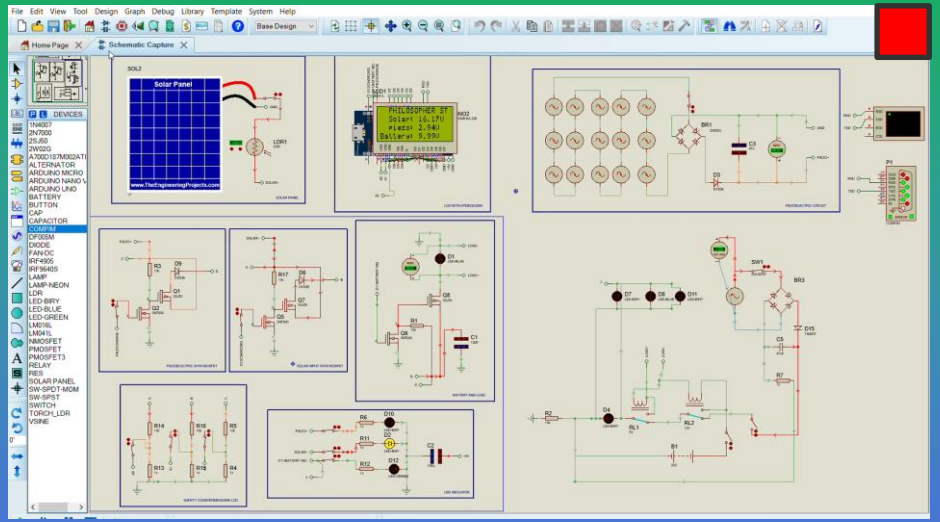
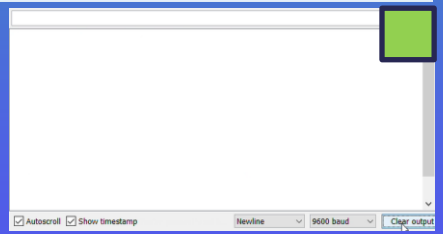
IOT ELEMENT IN PROJECT BUILD UP





- PROTEUS SIMULATION
- SERIAL MONITOR ON ARDUINO IDE
- IOT VIA BLYNK BY ANDROID EMULATOR (NOX PLAYER)

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SHORT CONCLUSION ON SOLAR RE CIRCUIT

MAIN OBJECTIVES REACHED?

- [x] Solar as main RE source used in the project besides than piezoelectric cct.
- [x] Save energy dependency on TNB/ external supply source by using solar source.
- [x] IoT to display energy meter from Proteus to Blynk via Android Emulator

OPTIONAL & ADDITIONAL PROJECT DONE.

- [x] Double recovery if there is any breakdown occur from the load or RE circuit.
- [x] Safety measures and maintenance ease in circuit using LED indicator.