1RV23CY045 - SAHANA MARKANDE
1RV23EC112 - R.CHITHRA
1RV23CS115 - KRUTHIKA N
1RV23EC085 - NAREN KARTHIK K

SONIC ENERGY REAP

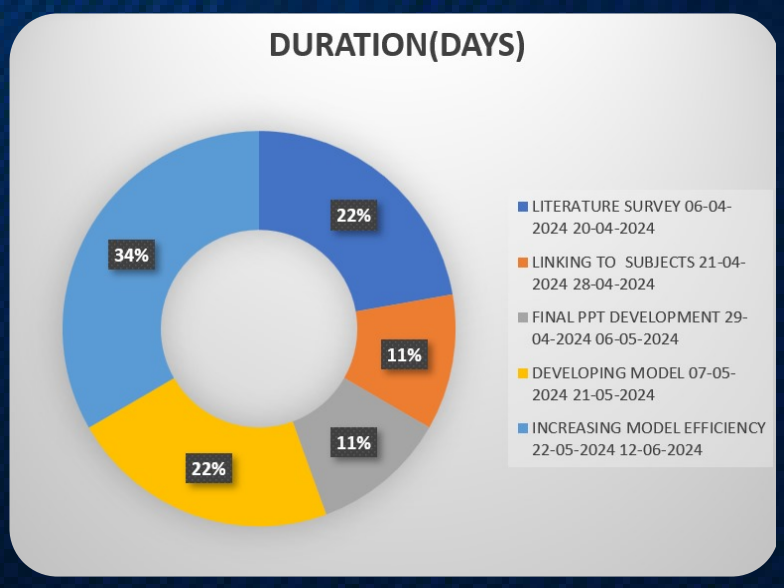
PROBLEM STATEMENT:

"DEPLETION OF NON-RENEWABLE SOURCES OF ENERGY DUE TO INCREASE IN ENERGY CONSUMPTION HAS INCREASED THE DEMAND TO FIND ALTERNATIVE SOURCES OF RENEWABLE ENERGY."

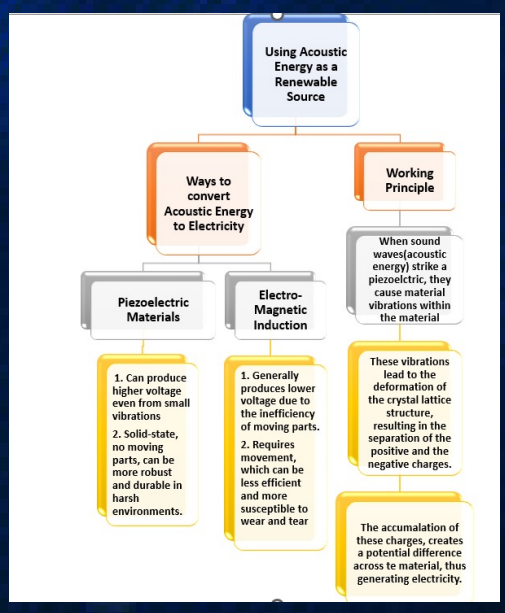
OBJECTIVES:

1) To investigate various innovative methods to generate electrical energy from acoustic sources.
2) To implement and generate electricity from acoustic sources of energy.
3) To increase the efficiency of generating electricity from acoustic sources.

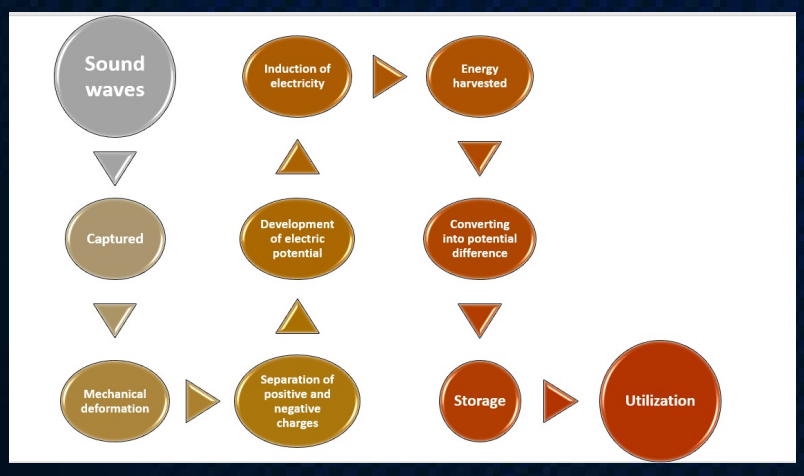
GANTT CHART



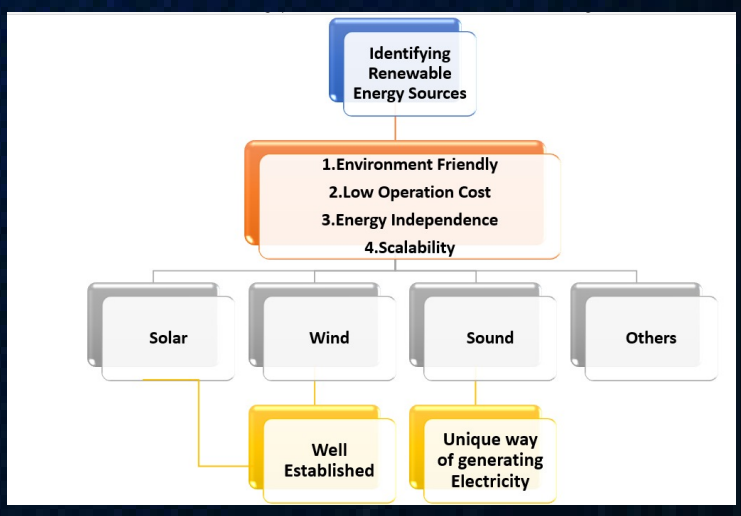
METHODOLOGY



WORKING PRINCIPLE



FLOWCHART



REFERENCES

1) INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGY AND ADVANCED ENGINEERING

2) RECENT DEVELOPMENTS OF ACOUSTIC ENERGY HARVESTING

3) INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

TOOLS

1) TINKERCAD
2) MATLAB
3) IDLE PYTHON
4) ARDUINO IDE
5) SOLID WORKS

OUTCOMES

1) PROTOTYPE GENERATING ELECTRICITY FROM SOUND
2) INCREASED EFFICIENCY OF PROTOTYPE