

Title Of The Paper With Each Word Capitalized As Required

Author1 first name surname¹, Author2¹, Author3¹, Author4¹, Author five²

¹*Undergraduate student, Dept. of EEE, GayatriVidyaParishad College of Engg(A),
Madhurawada , Visakhapatnam-530048*

²*Assistant Professor, Dept. of EEE, GayatriVidyaParishad College of Engg(A),
Madhurawada , Visakhapatnam-530048*

Corresponding Author: author@gypce.ac.in

Abstract:

The work presented in this paper is to be written in about 200 words as an abstract within a paragraph indicating the work focus, highlighting the results and depicting the outputs if any through figures, tables.

Keywords: Paper, Power, Energy

Introduction:

The introduction may be elaborated in 4-5 paragraphs without any figures and mostly with the literature survey done. For example srikanth et al [1] measured temperature, humidity and light intensity from 34 sensors for the two offices with/without 3 M Neutral 20 (3MN20) window films are compared to others .kumar et al [2] work is based on energy usage scheduling and management under electric utility and renewable energy sources i.e., solar energy (SE),. kavirayani [3] discusses having integrated various renewable energy systems (RESS) and a battery storage system (BSS), and proposed an optimization-based demand-side management (DSM) scheduler and energy management controller (SEMC) for a smart home. Sri [4] elaborates on separating the HVAC energy use from the total residential load and how it can be used to improve energy usage monitoring and to enhance the house energy management systems (HEMS) for existing houses that do not have dedicated HVAC circuits which is another dimension of studies. kanth et al[5] discusses about smart home concepts with usage of solar energy. From this work, results on the urge to use solar power, the current utilization of solar renewable sources, the factors on which the usage in common households depend are brought out along with providing awareness on the same particularly within the subcontinent.

Methodology:

The step by step procedure adopted to capture the data which analyzed awareness among various sectors is as follows:

Step 1: Identify the research area

Step 2: Recognize the important results

Step 3: The awareness about results is to be added

Step 4: Respondents were asked about awareness about review papers.

Step 5: Respondents were asked about how they came to know about different journals.

Step 6: Respondents were asked about an installed or in use softwares

Step 7: Respondents were asked to furnish information about the product used.

Step 8: Respondents were asked about cost involved, preferences in usage of solar energy

Results: Fig 1 shows that a majority of 59.6% belong to people with the age group of 10-20. A 31.6% of the responders belong to the age group of 21-30. The remaining percentage includes people of age groups 31-40 and 41 and above. Age groups helped us to analyze different point of views to potentially gain a lot of valuable detail during the research process of their feedback to reveal the results. Since people of same generations typically share similar characteristics and ways of thinking this survey initially collected the data regarding age. Fig 2 shows that 55.6% of the respondent's locality/area comes under urban. 35.1% of the respondent's area comes under rural and the rest comes under small towns. This helped us to discover different community behaviours to analyse their localities depending on the various factors to set up a solar power plant. We were open to different diversities and regions.

1. Which age group do you belong to ? (మీరు ఏ వయస్సు వర్గానికి చెందినవారు?)
171 responses

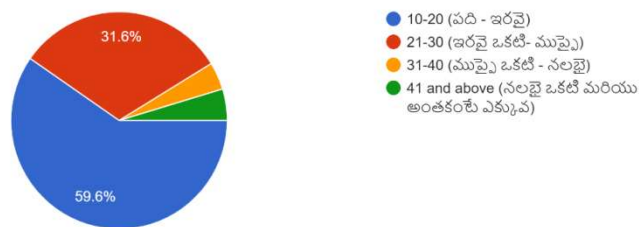


Figure1: Piechart showing different age groups.

A majority of the respondents were from Visakhapatnam. The rest were from different districts like Vizianagaram, West Godavari, East Godavari, Krishna district, Chinagadali, Guntur, Srikakulam, Devarapalli, Kurnool, Hyderabad and Tirupati. Fig 5 shows that 35.1% of the respondents got to know about solar based products through advertisements, social media etc. 12.9% of them heard about different solar appliances through their neighbours in their daily conversations. A majority of 52% mentioned that they got aware by the help of other sources like internet, academics etc.

3. Your locality/area comes under? (మీ ప్రాంతం దేని కిందకు వస్తుంది?)
171 responses

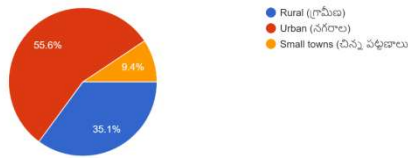


Fig 2 Piechart depicting locality/area

5. Do you know about Solar Renewable Energy Sources? (సోలార్ రెన్యూవబుల్ ఎనర్జీ సోర్స్ గురించి మీకు తెలుసా?)
171 responses

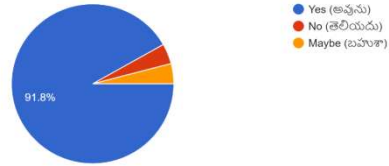


Fig 3 Awareness level in general public

6. Choose a solar based product you know about? (you can select multiple options) (మీకు తెలిసిన సౌర ఆధారిత ఉత్పత్తిని ఎంచుకోండి? (మీరు ఎన్ని ఎంపికలు ఐన ఎంచుకోవచ్చు))
171 responses

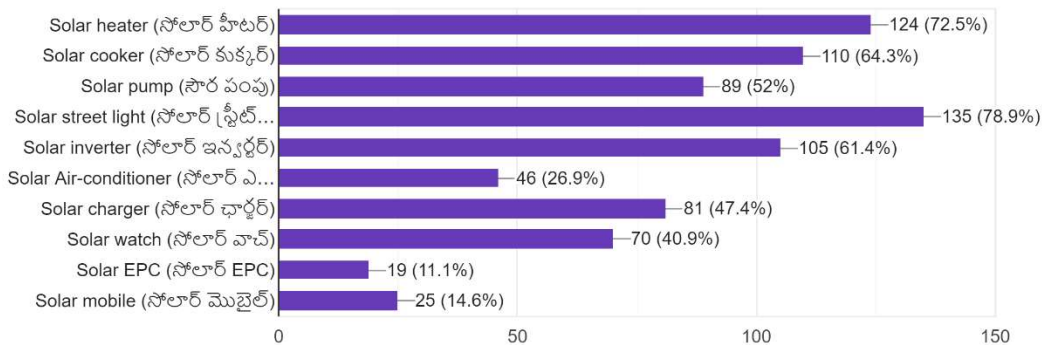


Fig 4 solar based products and people awareness

Conclusions:

The work can be summarized based on the results either as bullet points or as a paragraph or two highlighting the important points and indicating how to extend the work with future scope for research. Summarize the above-mentioned facts, it is known that many people know about renewable resources and how they will help in fighting the future energy crisis. It can be concluded that the objectives of this survey have been successfully met. Awareness must be created among the citizens using different platforms like social media which is a buzz in this century and can play an important role in providing information to rule out the myths of solar energy and the facts that will help save the future. Campaigns must be held showing the live process of the working of solar appliances.

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