

Survey Report

Climate Friendly Information Technology: Green ICT

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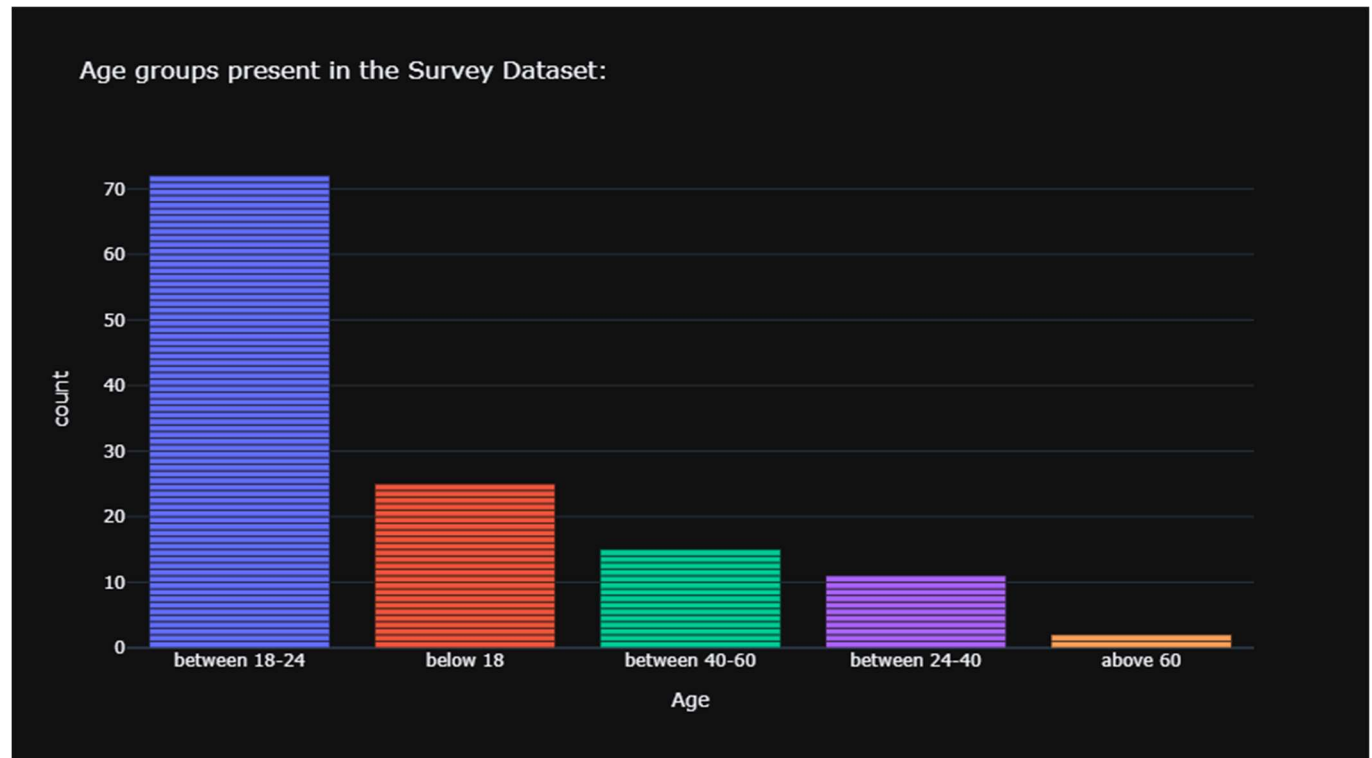
List of Objectives:

- To find the insights from the survey dataset.
- To answer some questions and create a concrete conclusion by doing analysis.
- To understand the thoughts of the respondents on green ICT
- To know what policy we could make to control the impact of ICT on climate.
- To spread the awareness about how the ICT affects the climate and why green ICT is the only solution.

Objectives Achieved:

- We got to know about the thoughts of the respondent on the green ICT and about there understanding related to the green ICT.
- Through or survey form we tried to show how destructive ICT could be to the environment and how green ICT is the solution.
- By breaking the survey response into the bins of ages and tried to find the correlation then we got to know that mostly the same age group respondent have choosen same option.
- We have created a concrete conclusion by finding the questions and correlating it with the bins of age group using the exploratory data analysis.

Sample Size: 125

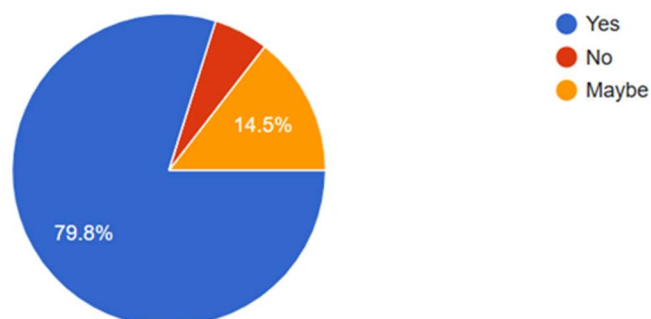


Response Rate in the sample: $125/350 = 35.71\%$

Statistical Analysis:

Technology build using the renewable natural resources is helpful for the environment?

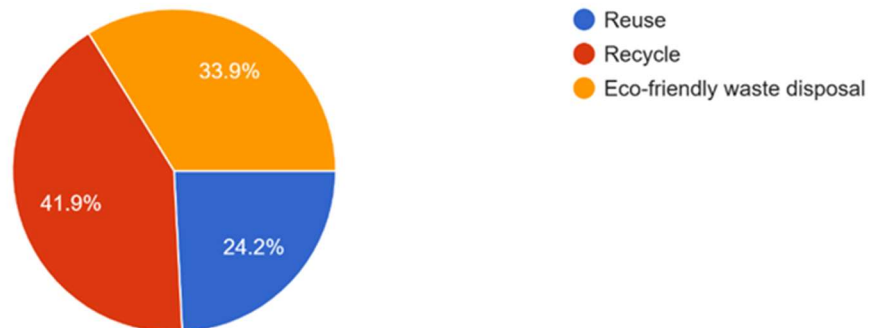
124 responses



People across all the age group believe that technology built using renewable natural resource is good for environment with nearly 80% saying yes.

How do you manage the electronic waste?

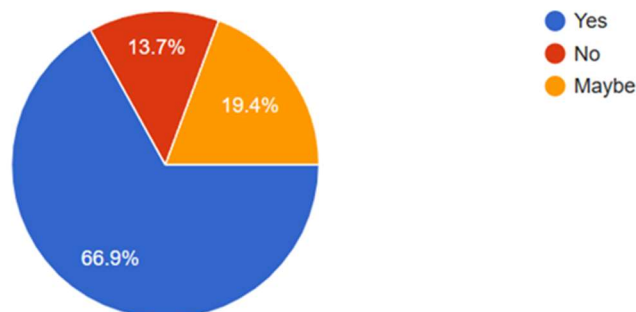
124 responses



Most of the people recycle their electronic waste nearly 42% followed by eco friendly waste disposal & reuse respectively.

Do you think the technology is responsible for climate change?

124 responses



Only 13.7% of people think that technology is not responsible for climate change, means most of the people believe that technology is harming our environment.

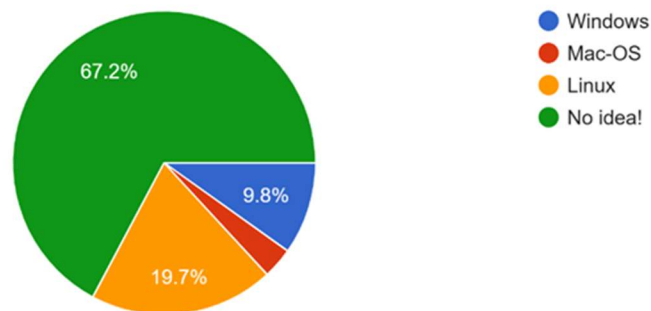
What government can do to put forward the Green ICT?

122 responses



Which operating system is greenest?

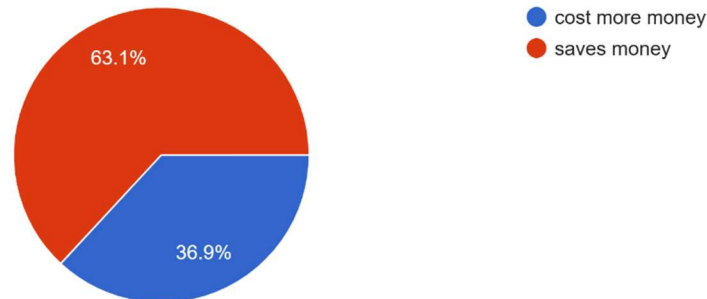
122 responses



Only 20% of people were able to guess right answer most of the people have no idea about it. This also shows that people don't care about Green ICT when choosing a IT product or software.

Do you believe by 'going green' in the IT sector cost more money or saves money?

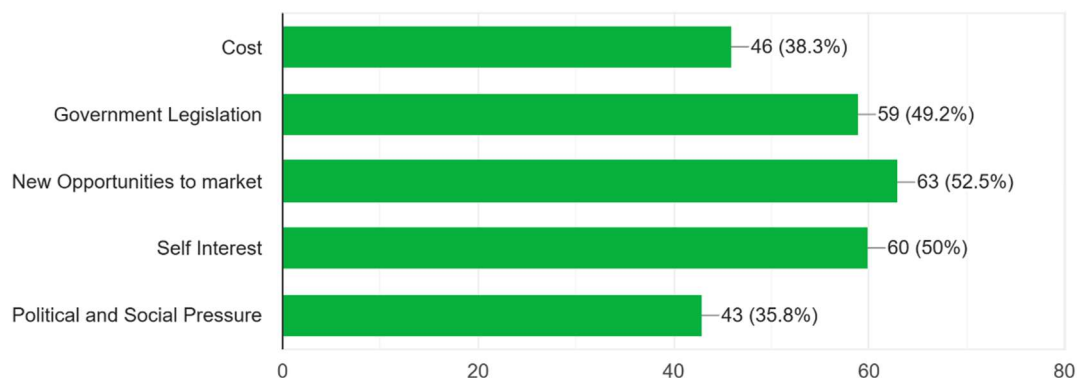
122 responses



Most of the people think that going green in IT sector saves money which is that people knows the advantages of going for sustainable technology and also it is a good sign if we want to promote Green ICT.

Some basic drivers of the Green ICT is prepared by the researcher. Check the driver option which you feel drives the Green ICT.

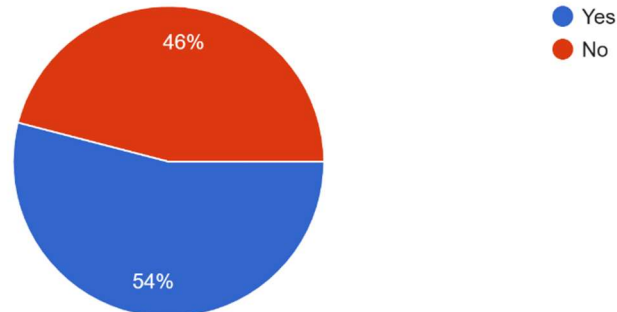
120 responses



Drivers that drive the Green ICT according to the nearly or more than 50% are Government Legislation, Self-interest & New Opportunities to market. People also thinks that Political and Social pressure drives Green ICT the least.

You were aware about the Green ICT before?

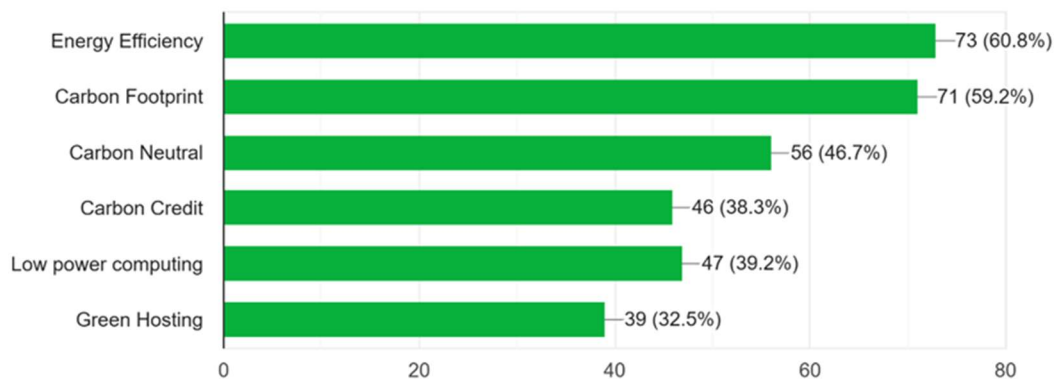
124 responses



More than half of the people were aware of green ICT but 46% of people were not aware which shows us that awareness of green ICT is less and there is a need to promote it.

Choose the terminology you know about from the given list? (Choose one or more than one)

120 responses

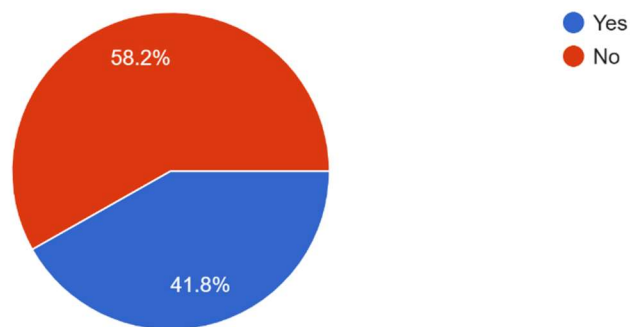




People are familiar with terms like Energy Efficiency & Carbon related term but they are less familiar with Green ICT terms like Green hosting & Low Power Computing.

Do you know about the e-waste recycler in your area?

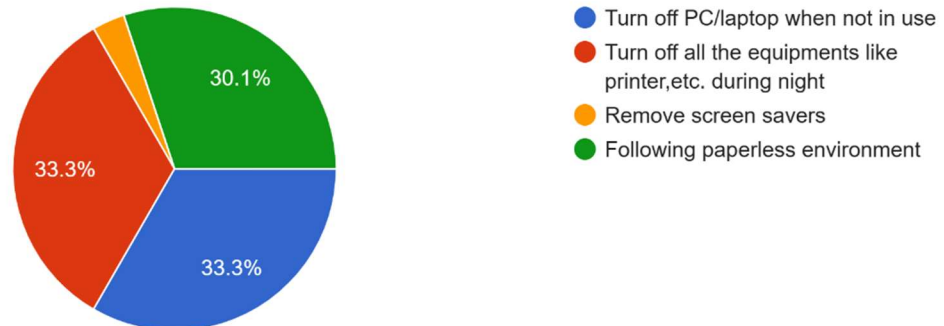
122 responses



More than half of the people not know about e-waste recycler in their area which is not good as e-waste are very harmful to environment and metals used in them are difficult to mine.

At an individual level, what you do to support Green ICT?

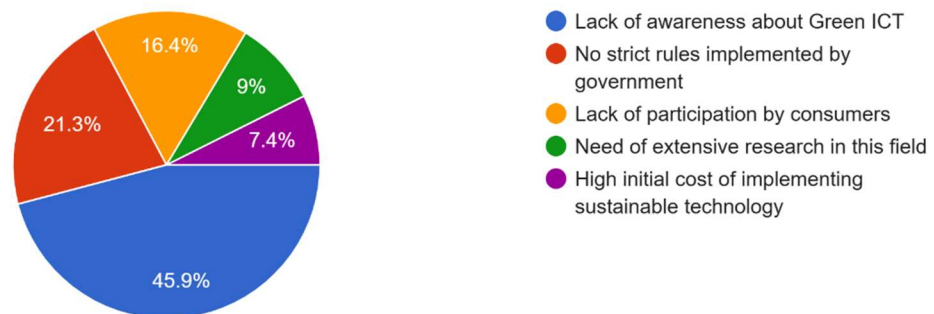
123 responses



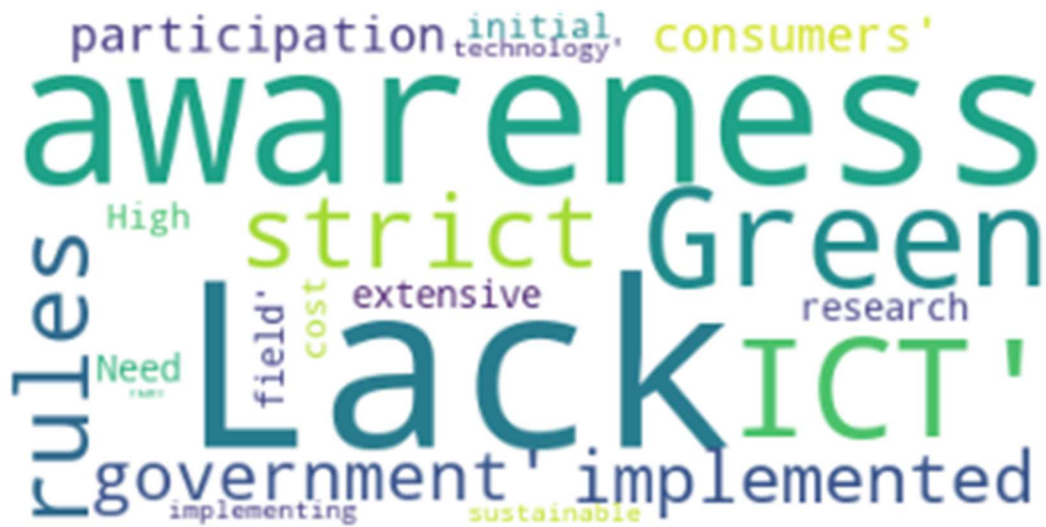
People were equally divided between three options most of them turn off their devices when not in use and also follow paperless environment ICT has helped them to cut their dependency on paper.

What do you think, what is the major barrier of Green ICT?

122 responses

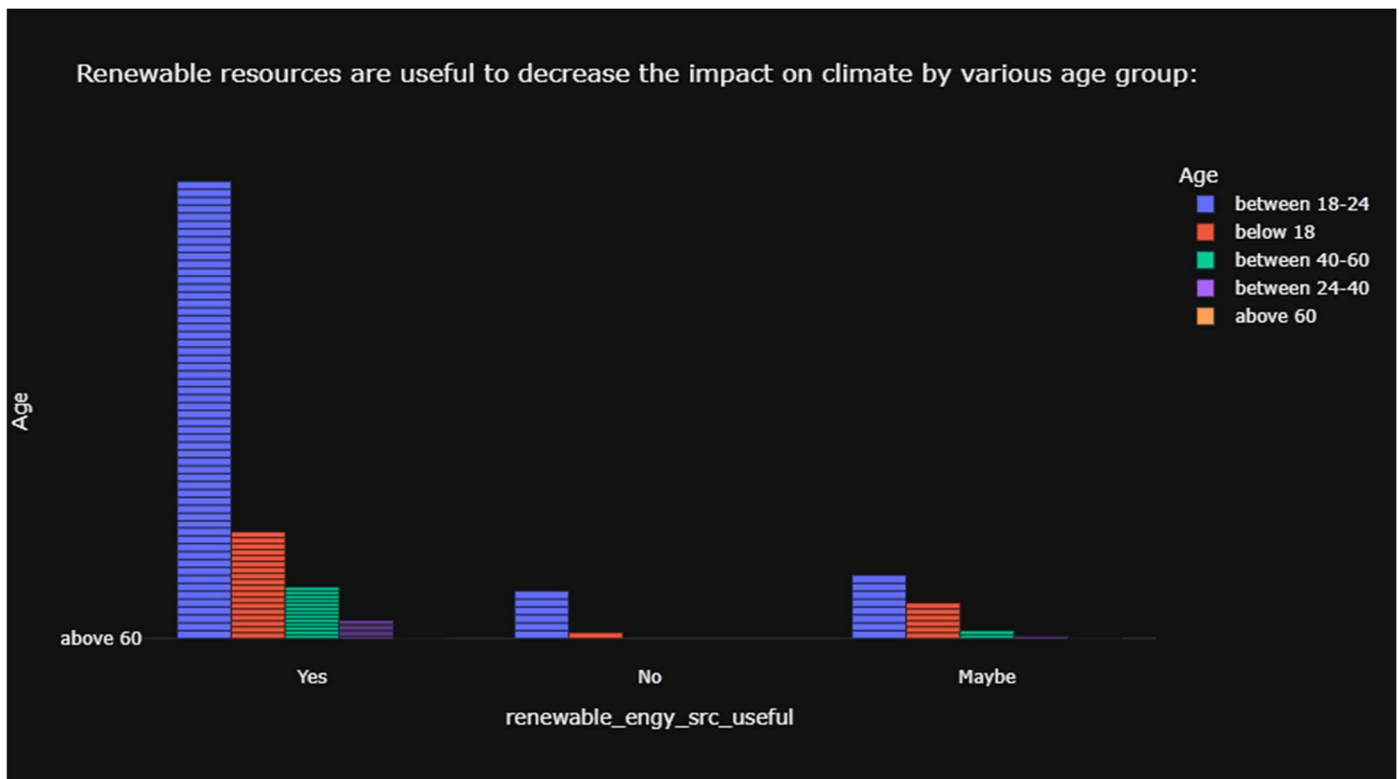


46% of the people think that 'lack of awareness' about green ICT is major barrier of green ICT followed about 'No strict rules implement by government'. Only 16.4% thinks that 'Lack of participation by consumer' is a barrier means most of people are willing to buy Green ICT Products.



More than half of the people think that government should take all of the above given measures but in that measure, people think that New policy for reduction of e-waste is more important.

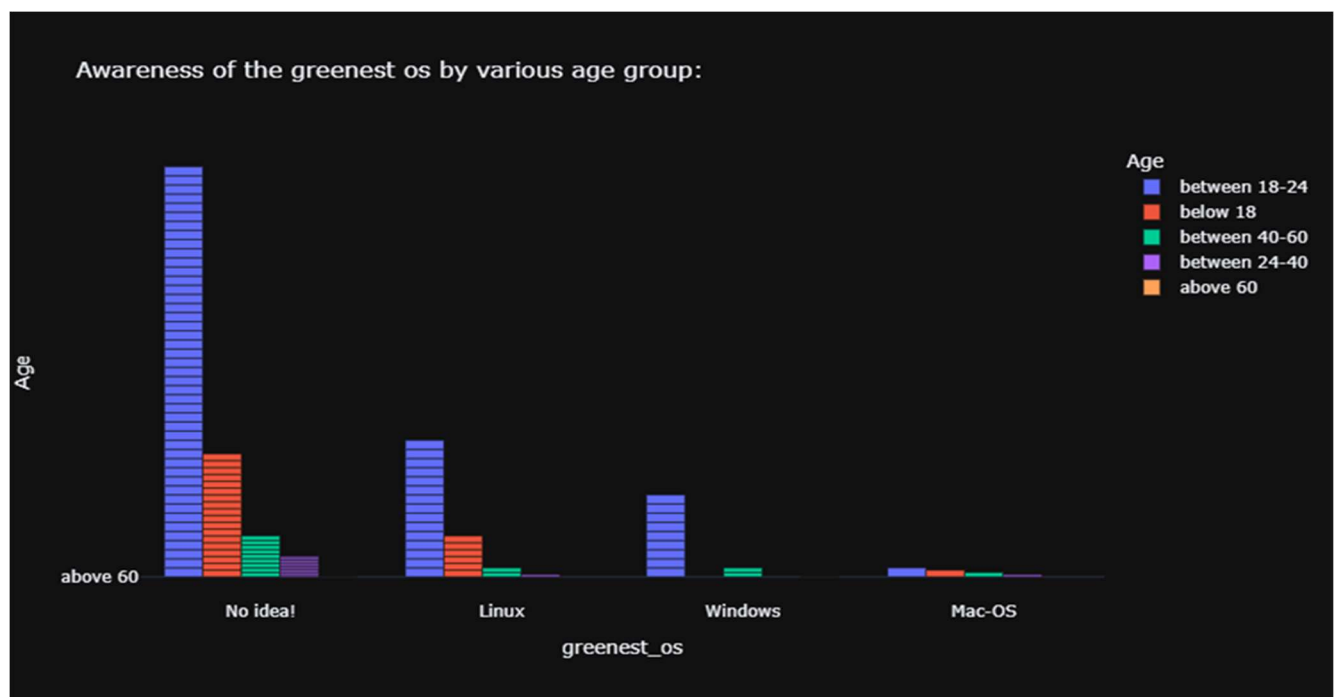
Exploratory Data Analysis:



People across all the age group believe that technology built using renewable natural resource is good for environment with nearly 80% saying yes



Most of the people recycle their electronic waste nearly 42% followed by eco friendly waste disposal & reuse respectively. If you look at it by age group, Most of 18-24 group people prefer Eco friendly waste disposal but remaining age group prefer Recycle.



Only 20% of people were able to guess right answer most of the people have no idea about it. This also shows that people don't care about Green ICT when choosing a IT product or software.

CONCLUSION: -

Through this survey we get to know that people think technology is harmful to environment and people are also not much aware of Green ICT and think that the major barrier for green ICT is lack of awareness. Most of 18-24 group people prefer Eco friendly waste disposal but remaining age group prefer Recycle, also more than half percent of people don't know about e-waste recycler in their area. Surveyers thinks that going green in IT saves money. People also think that New policy for reduction of e-waste is more important to put forward Green ICT.

There is a need to create the awareness about the green ICT and also about the advantages associated with it and also the new policy should be made on using the sustainable technology.