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ROLL NO.-25_FYIT

1. Explain Green Computing with its advantages.

ANS:- Green Computing refers to durable computing of the environment. This reduces the use of electricity as well as power and reduces environmental waste when we are using a computer. It Computing has the same goal with green chemistry, which is now the life of the product and makes the product more energy efficient, the abandoned product and factory waste are more easily recycled and to be biodegradable, less Dangerous Use Content.

Advantages of Green Computing:

Here different benefits of green computing are:

Lessened vitality utilization by green registering advances converts into low carbon dioxide emanations, which emerge because of the absence of petroleum derivatives utilized as a part of intensity plants and transportation.

Conservation of resources means less energy is required to produce, use and dispose of products.

Saving energy and resources saves money.

Green processing includes changing government arrangement to empower reusing by people and organizations and to lessen vitality utilization.

Reduce existing exposure in laptops such as chemical, cancer, nerve damage, and is known due to immune responses in humans.

2. What is E-waste? What can be done to reduce the impact of E-waste.

ANS:- E-waste is electronic products that are unwanted, not working, and nearing or at the end of their “useful life.” Computers, televisions, VCRs, stereos, copiers, and fax machines are everyday electronic products.

The ongoing challenge of how best to dispose of used and unwanted electronics isn’t a new one and dates back at least to the 1970s. But a lot has changed since then, particularly the number of electronics being discarded today.

We also have something else today: a term for this issue. After several terms got suggested, including “Digital rubbish,” a consensus formed around the simple word “e-waste.”

E-waste is any electrical or electronic equipment that’s been discarded. This includes working and broken items that are thrown in the garbage or donated to a charity reseller like Goodwill.

Often, if the item goes unsold in the store, it will be thrown away. E-waste is particularly dangerous due to toxic chemicals that naturally leach from the metals inside when buried.

What can be done to reduce the impact of E-waste.

1. Be a good consumer. Do some research when you're ready to buy a new product. Make sure it's one that won't break easily or become damaged shortly after you purchase it. In other words, look for products likely to have a much longer lifespan so you won't need to replace it within a few years, or even months. It's known that this is a common practice in the electronics industry; to make products with shorter life spans so more money can be earned in the long run when they break or malfunction.
2. Reuse as often as possible. If you have parts and equipment that are still working, try repairing the electronic device before getting a new one. And if the device is beyond the point of being repaired, then recycle it.
3. Educate yourself on what gets put into your electronics. Knowledge is power. Doing some research about the raw materials being used to manufacture your mobile phone or laptop helps you understand how harmful those materials and toxins can be if they're tossed into a landfill. The more you educate yourself the more you can purchase items that won't be harmful to the environment.
4. Look for an environmentally friendly label. For example, see if the products you buy are labeled Energy Star, or have been certified by the Electronic Product Environmental Assessment Tool.
5. Consider limiting the number of electronics you own. If you don't really need an extra gadget, look for devices that have multiple functions.

3. What are the benefits of going paperless.

1. PRODUCTIVITY

This is the most compelling benefit of going paperless in the workplace. Electronic documents are instantly and simultaneously available to everyone who needs them. That means fewer handoffs, less time lost in transit, reduced waiting times and less risk of loss or damage. Going electronic also offers the potential of rethinking workflows to save even more time and it improves teamwork because multiple people can work on documents at the same time.

2. COST SAVINGS

Those 10,000 sheets of paper each office worker uses cost more than $500. Multiply that by all the people in your workplace and add in the cost of printers, copiers, toner, fax machines and other devices that can be all but eliminated. The numbers get a little frightening. Then add on the cost of filing cabinets and people to maintain them. The Paperless Project estimates that every 12 filing cabinets require one full-time employee to maintain them. Now consider that the information in those 12 cabinets can today be stored in a device that fits in the palm of your hand. That's one reason AIIM says the ROI of going paperless is usually counted in months.

3. ACCESSIBILITY

Employees in paper-intensive businesses spend up to 40% of their time looking for documents, and 7% of documents are lost or misfiled. Multiply that by your payroll and compare it to the cost of that document imaging system you passed on last year because it was so expensive. And lost work time doesn't account for the many related soft costs, such as processing delays, customer frustration and postage. Compare the ease of a Google search to the chore of visiting a library to find information. That's the difference electronic processing makes. Digital access is also cheaper.

4. SECURITY

This might seem an odd benefit to mention considering the frequency of recent cyberattacks, but electronic documents are more secure than printed ones. For one thing, digital records can be rendered unreadable through encryption. They can also be secured against printing, copying and sharing. Access controls can specify viewing privileges to a fine level of granularity. Audit trails reveal who accessed what documents and when. In contrast, printed documents are only as secure as their proximity to a copy machine.

5. CUSTOMER SATISFACTION

Imagine how much happier your time-pressed customers will be when you can satisfy their requests in seconds instead of hours, or when you can send copies of the documents they request instantly via email instead of by express courier.

3. What is Github? Give advantages of using Github.

Github is a hosting platform wherein developers can store their computer code in the github server in files and folders called repository and track them continuously. It is an open-source version control and collaboration platform for program developers.

It helps all the programmers to collaborate with each other who are working on a similar project and also share their code easily as and when required. The collection of these files will shows the source code of a program which is spread across the files to make it easier to manage what can be many thousands of lines of code and still be able to find the parts you need to find.

Advantages of using Github.

1. It makes it easy to contribute to your open source projects

To be honest, nearly every open-source project uses GitHub to manage their project. Using GitHub is free if your project is open source and includes a wiki and issue tracker that makes it easy to include more in-depth documentation and get feedback about your project. If you want to contribute, you just fork a project, make your changes and then send them a pull request using GitHub web interface.

2. Documentation

By using GitHub, you make it easier to get excellent documentation. Their help section and guides have articles for nearly any topic related to git that you can think of.

3. Showcase your work

Are you a developer and wishes to attract recruiters? GitHub is the best tool you can rely on for this. Today, when searching for new recruits for their project, most companies look into the GitHub profiles. If your profile is available, you will have a higher chance of being recruited even if you are not from a great university or college.

4. Markdown

Markdown allows you to use a simple text editor to write formatted documents. GitHub has revolutionized writing by channeling everything through Markdown: from the issue tracker, user comments, everything. With so many other programming languages to learn for setting up projects, it's really a big benefit to have your content inputted in a format without having to learn yet another system.

5. GitHub is a repository

This was already mentioned before, but it's important to note, GitHub is a repository.

What this means that it allows your work to get out there in front of the public. Moreover, GitHub is one of the largest coding communities around right now, so it's wide exposure for your project.

5. Write a program using PEP8 rules.

```
>>> # Not recommended
>>> x = 'Ujjval Pranav'
>>> y, z = x.split()
>>> print(z, y, sep=', ')
'Pranav, Ujjval'
```