

TECH TALKS



DEPARTMENT OF COMPUTER SCIENCE

Preface:

This magazine speaks about the technology. Magazine was dividing into 7 topics like recent technology, antics, techtuens, business news, student's views, coding and tech games etc. Each topic has specific content; recent technology is about the trending technical issues, Antics talks about the importance of learning from our old generation computers. Tech Tunes are just like Technological cartoons to refresh our mind will enjoy. Business news is all about the agreements between top companies to generate employment. The name itself indicates student views are student's point of view on the ongoing issues.

I am very happy as students writing the coding just like professionals. Tech games will test our technological knowledge. I am very proud of my computer science students. I would like to congratulate all writers of respective Articles, Topics In charges and chief editor for their tremendous effort. Heartly congratulations for the man behinds this successful project Dr. A. Siva Prasad for guiding them in a right way. I pray for more endeavors to come for computer science department.

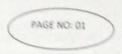
D.r. T.Govindamma M.A, Ph.D

Principal

Chief Editors: D. Rajesh (3rd MPCS)

S. Ashwini (2nd MPCS)

Recent technology:



THE NEW TREND'S IN WHATSAPP:



Introduction:

After demonetization most of the educated people understand the value of online payment mostly students and employees started online payment apps like phone pay and Google pay

More importantly phone pay became the most used online payment app. Phone pay attracted users with exciting cash back offers. After

Watching this situation greatest CEO of all time <u>Mark Zuckerberg</u> wanted to upgrade his apps towards payment options. Among three of his social media platforms WhatsApp looks more private and so he decided to develop Whatsapp payment options on FEB 2020, finally this became true on 7 Nov 2020. Also, since the technology is well developed in the present times everyone is using all the services in online. As most people are already using phone pay and Google pay but some are not fully aware of these. In general people are using Whatsapp for communication. So you can quickly become aware of online payment on WhatsApp itself.

<u>Description:</u> In the whatsapp payment funds can be transferred as easily as sending a message. Money can be easily safely sent into family members. Without the hassles of going to the bank. WhatsApp has revealed in its blog past that you can make payments without having to hand over money to buy any item. However whatsapp says that it has launched payment services in India. With the approval of the National Payment Corporation of India (NPCI). Policies on how to use it are already coming into existence. It states that people can send money using Whatsapp through any app compatible with UPI and does not want to pay any fee.

The main things to develop Whatsapp only:

Specifically why WhatsApp is being developed for online. Payment is that WhatsApp is very secure. This will not cause any inconvenience to people. It has also announced that it win provide the facility to take out health insurance policies through WhatsApp itself. And most people are well aware of this app.

How to enable WhatsApp pay:

Whatsapp pay is currently working with banks in India.ICICI bank, HDFC bank, Axis bank the state bank of India, jio payment Bank. People can send money on WhatsApp to anyone using a UPI

supported app. However even with a 400 million user base in the country. Whatsapp pay will only be rolled out to 20 million WhatsApp Users.

Conditions for using Whatsapp pay:

To send money on WhatsApp in the country. It's important to have a back account and debit card in India. While using Whatsapp for payment one needs to enter a personal UPI PIN for each transaction. In this we have a benefit that whatsapp users can also send money to People who are not on their contact list through QR code.

New updates in the whatsapp:

In this app. However, along with WhatsApp payments, there are other new updates. In the communication way three updates are there. The stickers search animates pack and wall papers. Now you can search Stickers in WhatsApp. You can search for stickers that fit to the situation. The new features will be provided. Under the name "Together at home". It will available in different language. Whatsapp users can now access this features like making voice and video call on desktops.

Conclusion:

With the so many types of updates coming in this way it has also turned out to be a lucrative one. Similarly WhatsApp payments are being developed and new features are also taking place in future days. And also WhatsApp has partnered with SBI general. Insurance for Health insurance to work with HDFC function. Pin solutions for pension Services while already educating the public to make it a full fleged success. The UPI has made it possible for micro entrepreneurs, who are the backbone of the economy, to seize opportunities around the world. The payment service will be available on WhatsApp in ten Indian language.

> BY: N. Sulomani 2ndyear (MPC)

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The modern technology of Robotics:

our modern technology robots plays a major role in this World. Robots are the largest growing echnological device In the world. They perform many functions ranging from Space exploration to ntertainment. The word robot it has a different meaning to many people. According to the Robot stitute of America, 1979, a robot is reprogrammable, multi functional manipulator designed to nove material, parts, tools, or specialized devices through various programmed motion for the erformance of a variety of tasks. The use of robots continue to change numerous aspects of our veryday life, they are health care, education and job satisfaction. Robots are going to be a major lart of world economy, they help ways to make our daily life easier and assist in producing of more products.

Robotic technology is increasing at a fast rate, providing us with a new technology that can assist with home cores, automobile assembly and many other tasks. Robotic technology has changed the world around us and is continuing to impact the way we do things. Robotic technology transformation from the past to present surrounds almost everyone in today's society and it affects both our work and leisure activities.

Robotics is branch of mechanical engineering, electrical engineering, and computer science that deals with the design, construction, operation, and application of robots, as well as computer system for their control and processing. This technological deal with automated machine that can take the place of a human in various kinds of work, activities, environment and processes. They can perform much function like research purposes, whether domestic, commercial or military. Many robots even do jobs that are hazardous to people such defusing of bombs, mining and exploring. It also helps saving money as well as time. The robots can provide high quality components and finished products, and also industry segment which are making use of Robotics to improve their production capabilities.

Much of the research in robotics focuses not on specific industrial tasks, but on investigation into two types of robots, alternative or design robots, and new way to manufacture them. Recently, Apollo Hospital group installed the world's most advanced cyber knife robotic radio Surgery system at the cancer specialty centre in Chennai, India. Apollo decided to go ahead with the project due to the new found enthusiasm for robotics in India. From the chandrayaan 1 project for sending robots to moon, to biomedical engineering and the auto industry, India has been using robotics on a wide scale. In an increasing technology driven country, robotics had fast assumed significance not only for industrial application, but also in various day by day human activities. In medical field, the importance of has been growing. Robotics can be used in a variety of clinical and surgical setting for increasing surgical accuracy and operating time. Another major area where the use of robots is extensive of packages section. The packaging done using real robots is of very high quality as there are almost no chances of any human error. These are mainly in the mass production with full accuracy and reliability.

With the usage of Bill Gates said that "Robots will be the next world changing technology" Robotics has spread like an infection to an extent that so many movies and serial also based on theme. Some popular movies include star war, Robocop, Ra one, Transformation etc. With such acclaimed popularity India to has come with Robotics society of India (RSI). It is an academic society founded in 10th July 2011, which only aims at promoting Indian Robotics and automation activity. The biggest barriers of robots have been high cost of its hardware such as sensor, Motors etc. With new advancement taking place each passing day, new product introduction is a problem for the existing users. Robots cut down labour, thereby also reducing the opportunities of employment for many people. In many developed countries, scientist is making robotic military that can prove dangerous to others. Finally it would not be wrong to say that in near future will be a time when robots will become smarter than the human race...

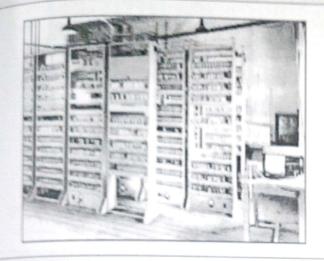
BY: S.ASWINI

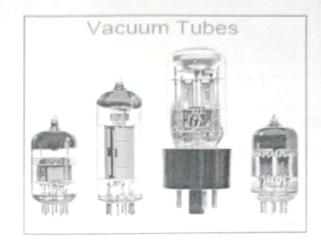
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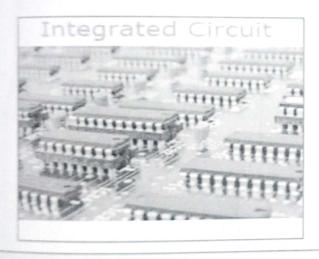
Generations of computers:

1st Generation of computer (1940-5 6)





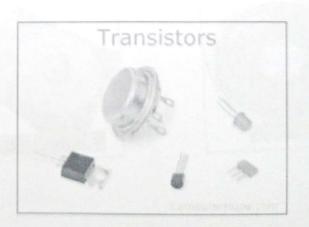
2nd generation of computer (1956-63):



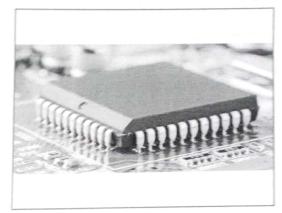


3rd generation of computer (1964-71):









5th generation of computer (2010-till):





Artificial intelligence

Types of memories















5TH generation computers are also called as personal computers.







By: B. satyannarayana

3rd MPCS

Supercomputers:

The future of mankind since it invention in 1948, electronic computers have changed the way world works. It is undoubtedly one of the ten greatest Inventions of mankind. Today, we cannot even think to live without computers. Originally designed for defence purposes during the World War 2, the machine called computer has become an indispensable part of our daily lives, and its uses are almost beyond comprehension itself. Present days computer are used to work, to play, to have fun, to stop, to study, to talk, to date and to generally do anything one can think about.

Since its inception, the old computer technology has improved manifolds. We no longer talk about simple Computers that are able to perform a few tasks at a given time, but we have developed supercomputer Computer so fast that they can carry out millions of Calculation in a matter of second . A supercomputer is defined as a mainframe computer that is one of the fastest and most powerful computer. Supercomputer have grown and changed throughout their technological History. Their speed is unparalleled, their future is exciting, and their uses are nearly limitless.

In 1943, the first supercomputer named Colossus was made in England. It was only able to handle five thousand characters per second. Also in England in 1950, the Manchester mark was produced and was able to handle 500 instructions per Second. In 1975, the Father of supercomputing, Seymour Cray earned his nickname for creating the first completely transistorized supercomputer.

Even though the world got introduced to the computer technology in last forties. India bought its first computer in 1956 for princely sum of 10 lakh. It was called HEC-2M and was installed at Calcutta Indian statistical institute. It was nothing than a number crunching machine and was huge in size. The dimensions of monster 10ft in length, 7ft. In breadth and 6ft in height. It played an important role in Formulation's annual and five year plan by the planning Commission, and in top secret project of Indian nuclear program. Moreover, it went on to turn out India's first generation of Computer professional. It was at least ten thousand times slower in solving even simple problem than today machine. But it set the stage for the development of computer in India. The super first computer era began when our former Prime Minister VP Singh dedicated to the nation on 25th March, 1989. The main application of supercomputer is in medium range whether forecasting to agro metrology program to agriculture Operation to whether resources management.

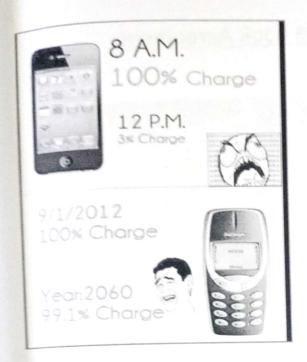
The uses computer in old days. They are used many field like every time you can check whether, mathematical calculation, nuclear energy, seismic activity, submarine tracking, pattern matching, cryptology (to study the code. In which the key is unknown), data collection, and researching anything on the internet. Scientist are already figured out. What future of new technology of computer is much more better than old technology like building airplane, creating chemical substance. They have been making our lives easier and will continue to do So. Our future depends on how we use their capabilities for the greater good.

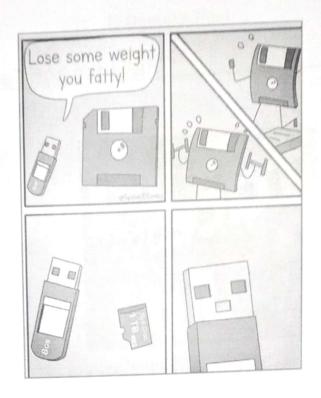
BY: S.ASHWINI

2ND MPCS

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Tech tunes:









BUSINESS VIEWS:

Reliance and Face book Agreement:





Face book purchases of a nearly 9.99% stake in Reliance industries digital business unit. JIO platforms brings one of the world's largest internet companies on the table with India's largest telecom player .The \$5.7-billion deal, which values Reliance's digital operations at around \$66billion pushes the Indian conglomerate ahead in its plans of de-leveraging its balance sheet while accelerating the launch of its new commerce business.

In August 2019, while addressing the company's shareholders at the annual general meeting, Reliance Industries chairman Mukesh Ambani had said the group had prepared a roadmap for becoming a zero net -Debt Company within 18 months. The Face book deal significantly contributes to that plan by paying about Rs43, 574 crore from its outstanding debt as of September 2019 of Rs2.92 lakh crore. The other primary contributors to the debt reduction plan will be a potential petrochemicals business and Rs7, 000 crores from a 49% sale in its fuel retail. However, experts believe the Aramco deal to be under threat on account of the oil prices crash caused by the covid-significant for another reason: online platforms selling essential goods have suddenly witnessed on upsurge in demand. Ex: Before the outbreak, just 1% of the Rs80, 000 crore grocery market in India 50% of the grocery demand in the country by some estimates before it corrected. Where one of the few industries that has got more than enough business but not enough resources, said Hari Menon, CEO of India's largest online grocery big basket.

Experts have said the arrangement among Reliance Retail, JIO platforms and Face book Owned Whatapp to offer consumers the ability to access the nearest kiranas or Grocery stores , which can



provide products and services to their homes by transacting with JIOMART using whatapp, has come at a very opportune time. Whatapp boasts 400 million users in India. Further, using Whatapp's base also allows Reliance Retail to promote its services to users of JIO's Rival telecom players.

BY: N.Deepika Rani

2ND MPCS

The future of Hyderabad - The data storing companies:



The data sectors have grown up very fastly in IT sectors. The positivity of attracting data centres on a large scale appears. In addition to the many advantages already available here. Other companies in the segment are also looking to Hyderabad. Because Amazon web service comes forward to Setup a cluster with an investment of 1.5 billion.

Government IT industry sources here have made it clear that this job will lead to large scale Jobs in the near future. The existing data centers in Hyderabad have a capacity of about 32megawatts which will increase exponentially in the near future. It is known fact that the central government has specially introduced the data localization policy. In addition the central government will prepare the IT ministry data center policy 2020. This policy put the draft paper under discussion.

The Policy is likely to take legal form soon. On the other hand data requirement are also increasing day by day. With the advance of new technologies such as edge computing, data storage requirements are also likely to increase but not decrease.

Locally the Telangana state government is also pursuing pro government policies with this other companies operating in the data canters segments are also expected to set up their data centers here in the future. In this situation the capacity of the data centers in Hyderabad is likely to increase by 10 megawatts in the coming year. According to the analysis of the relevant groups. This is expected to create new jobs in the management sector of data mining and data centres.

Recently many companies are turning to cloud computing services as a part of their cost cutting measures. This is also a major reason for the growing demands for data centres, IDC a market research service company, expect to reach out to our country. This makes it clear that data centres will be in high demand in the near future and there will be a large number of job opportunities in this segment.

It is important for any organization to store its information in two or three locations not just one. Why because all the technical difficulties or as a result of natural disasters but any problem can be stored in a lost situation. Its damage is also great that it is very difficult to gather information again.

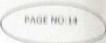
Over the years some companies have set up their own data centres in Hyderabad in as a positive place to store information. The Bombay stock exchange is a best example. This is the result of the fact that setting up a data centres in Hyderabad, which is less prone to natural disasters with less fear of wars in the central part of the country, has made it safer to store information there.



In expansion phase: the Considering a few global companies it seems that AWS is expanding its data centres in our country. It is known fact that the many companies are already AWS users. Hungnam, hot star, olla, pay tm, various companies are using AWS services. It is also likely that oya; axis bank will be using AWS Services.

BY: P KHAGESWAR RAO

3RD MPCS



Student views:

Upper-Level and Entry-Level Undergraduate Perspectives:

Abstract:

Student Views of the Online Learning Process during the COVID-19 Pandemic: A Comparison of with the onset of the COVID-19 pandemic in spring 2020, chemistry faculty across the globe quick converted courses to an online format. Resources rapidly became available that reflected the view of faculty and administration concerning online learning, but it is only after having been throug the experience that student perspectives can now be analyzed. Student perspectives are discusse here in terms of benefits and drawbacks of online learning in navigating time and distractions student motivation for self regulated learning, and resource availability. Adaptability, organizations skills, and self-awareness are some of the personal characteristics that make a student a successful online learner. Many students in upper-level chemistry courses have been able to more fully cultivate these skills and also have a more fully developed passion for the subjects they are learning, and therefore, they may be more successful with taking classes online, even with increasing difficulty of the subject matter. With a lack of face-to-face meetings, faculty in both upper- and lower-level courses should strive to become more aware of their students' needs and passions and determine ways to help their students become motivated to succeed.

INDIAN EDUCATION SYSTEM:

If you see any school in our country. You will find loads of books in bags and bulky answers in the notebooks. Will students studying in this manner become our future leaders? Certainly no. The education sector in India divided into primary, higher secondary, Senior, and vocational education section. Schools are regulated by NCERT: The national council of educational research and training Is the body part for curriculum related matters for school education in India. It provides support and technical assistance to a number of schools in India. According to recent survey, it was found that a majority of teaching posts are lying vacant in government schools. In private schools, though both the infrastructure and teaching recruitment are good, Vidyalaya, Jawaharlal Navodaya, and an independent school, the higher Education system encompasses 875 industrial Training Is conducted by private Industrial training centres (itc) and government universities. Vocational Training Is conducted by private Industrial training centres (itc) and government 14 years, under the Right to education, but many children in rural and remote areas still don't have access to some areas, the quality of good provided was found to be substandard.

As are other subjects, like science, we lay more stress on mugging up facts, rather than understanding the concepts. We want our students to score higher marks, without trying to find out where there talent is lie.

Also student are being dealt with, harsher brutally.

Our Indian Government school education system is:

- 1. The state government schools.
- 2. The central Board of secondary Education (CBSE). CBSE conduct two examination like
- All Indian secondary school examination, AISSE and the All India senior certificate Examination, AISSE.
- 3. The National institute of open schooling (NIOS).
- 4. The council for the Indian School certificate Examination (CISCE).

In higher education sector also, a number of faculty position are unoccupied, because of less job security. Also the fellowship awarded for research is the reason for Students not pursuing doctoral and post graduation studies. However present state of Indian education is not improved, we would lose the top honours in the world, in various fields. For that, firstly student must be encouraged to ask, 'why?' and 'How?' a subject can become interesting if applied practically. There should not be any involvement of root learning. Second one student must be all-rounder by laying equal emphasis on sports. Thirdly, as PM Modi told in his independent day speech, girl's toilets and other basic facilities must be ensured in all schools and colleges. Fourth one sec Education inclusion is need of the yours. Fifthly, action must be taken against man handling of students. Sixthly, efforts must be directed towards female literacy rate. Last but not least tolerance to impart. As Nelson Mandela Said:

Education is the most powerful weapon which you can use to change the world

S .Ashwini 2ND MPCS

Drawbacks of Internet on Youth

INTRODUCTION:

Internet this word is started used in 1985 but within 40 years it become mandatory in every situation and every place. In the starting days people used it very rarely, but now people are addicted to internet. Just like fish is trapped in the net, the human beings are trapped in internet. I don't believe that internet has disadvantages, because it up to the users. If the people used it then it will be a "Kalpataruvu" which gives all things to develop their future. If they will use it in a wrong way it will become like "Padma vyuham "which means there is only entry but no exit. Unfortunately, in present times most of the youth are like 'Abhimanyu' and they are trapped in 'padmavyuham' called internet. Internet became the biggest reason behind the failure of youth. They are wasting their time, health, money and sometimes turning violent because of internet. They are even losing their lives.

TIME: Time is the most important factor to win or lose anything. Youth is wasting lots of time especially on social media. Social media is the best platform to show their talent. But youth are using the social media just to pass the time. By playing games in mobile, they are not only wasting their time and but also losing control on their mind.

HEALTH: As youth is spending most of the time in internet without any physical exercise. This is impacting their health and immunity. Youth has stopped playing games in ground and are addicted to mobile games. In this way their fitness is decreasing. Watching movies, web series in late nights is leading to sleep disorders, eye related problems and many more.

MONEY: By playing online games like Rummy they are wasting lots of money and some of them are turning into criminals. They are addicted to earn money and this leading to online cheatings and bank robbery.

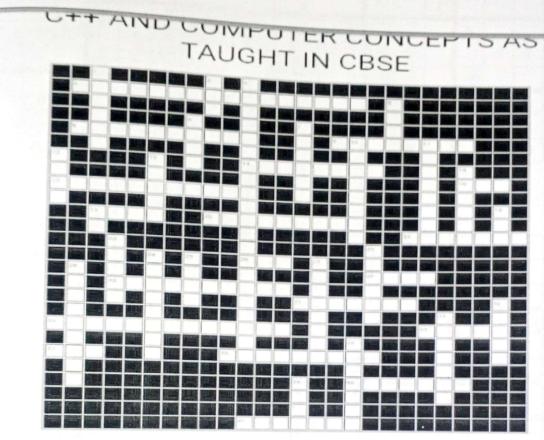
VIOLENT: Most of the youth love to watch violent movies and porn videos. Watching these types of videos lead to indiscipline in the youth. They stopped respecting others especially elders, teachers and even their parents.

LOSING THEIR LIVES: Some games like Blue Whale challenge is taking away the lives of young generation of world. Blue Whale Challenge is the best example for what will happen if they use internet in a wrong way.

CONCLUSION: Most of the talented actors like Navveen Polishetty, Viva Harsha, Suhas and directors like Sujith, Prasanthvarma and SundeepRaj all have became popular by using internet properly.

A girl named M.S.Swapna Pallisutar who is preparing for UPSC is walking daily 2km to find a cell phone network in order to prepare for competitive exams. This incident came into limelight after recent savoir Sonu Sood arranged Wi-Fi network for in her village and he arranged smart phones for three children for their education. Even though we have good mobile network and costly mobile phones we are wasting them and spending much time for entertainment purposes which gives us no benefit. Let the internet be the "kalpataruvu" for us and let us not fall into the 'padmavyuha' of internet. BY — P KHAGESWAR RAO

3RD MPCS



- 4. an os that can effectively work simultaneously on many programs
- 8. the symbol used for ending any statement
- 9. reserved words of c++
- 14. statement used to skip one step iterative loop
- 16. volatile memory
- 17. second generation main component
- 19, the no. of times a loop body is executed even if the condition is false in a do-while loop
- 20, a graphical representation of flow of process in a program
- 21. If else operators
- 26 integer type of data
- 29 the instructions that are executed when a computer starts L(p)
- 30. = operator
- 31 the process of starting up of a computer
- 34 manual to any software
- 35 the header for closer()
- 37, a function that is used to calculate a to the power of b.
- 38, the technique of removing errors in a program
- 40, the II operator
- 41, errors that occur during the execution of the program

Down

- temporary memory locations
- read only memory
- # symbol in c++
- function to set width
- driver function of a program.
- errors that occur when the rules of a language are not followed
- 10. == operator
- 11 the os used in ATM machines
- 12 unconditional jump statement
- 13, entry control loop
- 15, a method of checking for errors without actually running it
- 18. counter controlled loop
- 19. software which acts as resource manager
- 22. used to come out of a loop / choice
- 23. a combination of digital and analog systems
- 24, the header file that deals with input and output streams
- 25. errors in a program
- 27 a technique used to use peripheral devices. at the same time
- 28. the company which made the first disk operatable on
- 32. used to contain decimal numbers
- 33. the top down programming methodology
- 36. the reserved word used for adding a header

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NOTE:

IF ANY ONE GET ANSWERS PLEASE SHOULD BE FORWARDS TO THE MAIL:

techtalks.gdctkl@gmail.com

GIFTS ALSO OFFERED WHO SHOULD BE ANSWERED FIRST

coding:



Today we are surrounded by electronic devices each one running uncountable number of software that run on <u>code</u> of some kind. Our modern world is also reliant on internet with workforces being required to be more and more computer literate with each passing year. <u>Computer coding</u> is the use of computer programming language to give computers and machines instructions on what action to perform. Coding is the way humans communicate with machine and it allows us to create software programs, operating systems, mobile apps.

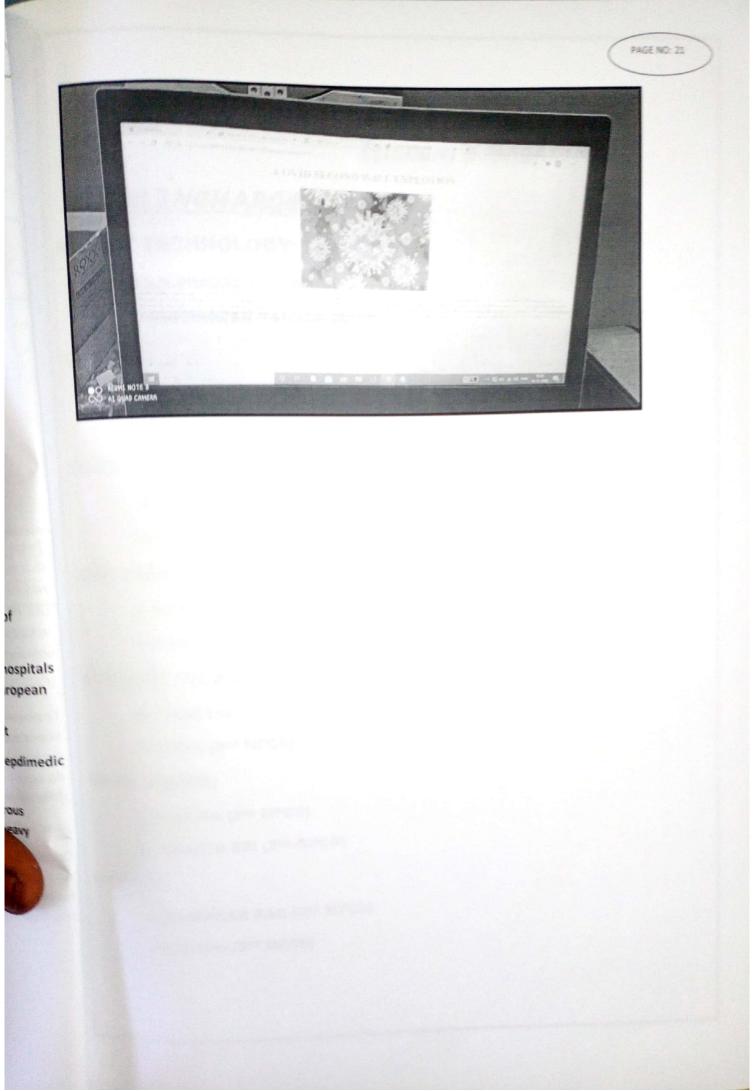
If you want to work in a high paying field like software

Engineering and web development and data science understanding and using coding is very important. Coding is the key here not just to understand code, but to understand what tools your designer is using and what other tools are out there. There is an array of helping apps that let you do quickly anything building sites and creating buttons and other functionality. Coding can be used different programming languages like HTMI, python, Java script, C and C++, kotlin

, and Swift and some other high programming languages.

Computer coding is using in mostly in business purpose, like artificial intelligence, government and social services, and enterprises software. Coding is the musty learn children at Young age. In the future coding is developing some more software apps that our India has became most advancing country in world.

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PROGRAM:
   <!doctype html>
  <html>
  <head>
  <Style>
  h1{
    text-align:center;
     Color:tomoto;}
  <|Style>
  <title> COVID SECOND WAVE< | title><head>
  <body>
 <h1>COVID SECOND WAVES EXPLOTION< | h1>
 <P align=center>< img src= "covid.jpeg"
 Width="400"height="300"><|p>
  As the northern hemisphere moves into winter. Coronavirus rates are rising in parts of
 Europe and the United States.
 Experts are warning of a long winter ahead as covid19 and influenze put the squeeze on hospitals
 and other healthcare facilities. In response to the threat represented by second wave. European
 countries and many us states have instituted population lockdown that involve varying
 restriction on movement meeting people, work, schooling, hospitality, and entertainment
 We have seen first wave that, when instigated at scale, these measures can shrink that epdimedic
but at tremendous cost to society and economic life. When applied for a long time
Australia lockdown for 4 months. The number of cases can be reduced to close to rigorous
wearing of mask, night time curfews, closed schools, strict traveling restrictions, and heavy
< |body>
<html>
Output:
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TECH TALKS

(STUDENT E-MAGAZINE)

TOPJC JNCHARGES:

RECENT TECHNOLOGY:

M.L.V.PRASAD (3RD MPCS)

P.KHGESHWAR RAO (3RD MPCS)

ANTICS:

D.RAJESH (3RD MPCS)

N.DEEPIKA RANI (2ND MPCS)

TECH TUNES:

B.HEMALATHA (3RD MPCS)

P.PRAVEEN KUMAR (2ND MPCS)

BUSINESS VIEWS:

P. KHAGESWAR RAO (3RD MPCS)

S. ASHWINI (2ND MPCS)

STUDENT VIEWS:

M.SUNEETHA (3RD MPCS)

K. DIVYA (3RD MPCS)

TECH GAMES:

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