

**TRINITY COLLEGE FOR
WOMEN
(ARTS & SCIENCE)**

(Permanently Affiliated to Periyar University, Salem, 2(f) & 12(b) Status Granted by UGC – New Delhi
and Accredited by NAAC – A+ Grade)

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ZIPBYTE

**PG & Research Department of Computer Science
Trinity College for Women
Namakkal – 637 002.
TAMILNADU STATE**

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Mrs.P.NAVAJOTHI - Programmer

LAPTOP

HAI GUYS LET WE SEE ABOUT.....?I'AM A PROTABLE I CARRY A LAPTOP
AND A LITTLE RECORDING STUDIO ON MY BACK



IT IS A NEW VERSION LAPTOP



IT IS A OLD VERSION LAPTOP

- **INTRODUCTION:** In this modern world laptop is a vital part of professional work and personal use . It makes the education smarter as well as complete the task quickly. Because of its, probability people ,more and more, rely on this device.
- **PURPOSE:** There are several purpose to use laptop. The first and foremost, the laptop can be moved easily from one location to another location thanks to its light weight, small size and built- in battery. Secondly, it is either directly or indirectly helps to reduce deforestation .The consumption of paper is comparatively lower. Thirdly It collects unlimited data for people reference, and also have strong index capacity to locate exact time and date of the documents. Finally, It helps connect people virtually. For instance, nowadays, most people attend online meeting for their business purpose and for education too.
- **HISTORY :**The history of laptop describes the efforts, began in the 1970's to built small ,portable personal computer that combine the components ,inputs, outputs and capabilities of a desktop computer in small chassis.
- **DEMERITS:** Although it has such facilities, it also have a few dips and downs .The flip side of this device is a lack of physical activities. It keeps the people more sendentary which affect physical health. Mostly, it keeps people away from the world.

DON'T WISH IT EASIER WISH YOU WERE A BETTER

V.SINDHUMATHI
I B.Sc(CS) - B

MOTHERBOARD



HISTORY OF THE MOTHERBOARD

A motherboard is complex printed circuit board (PCB) which is the main part of almost all electronic systems. PCB is being manufactured in India.

WHO INVENTED THE MOTHERBOARD

In 1981, IBM planar breadboard was the first motherboard used in a PC. The inventor behind this technology was IBM engineer Patty MCHug.

MOTHERBOARD SPECIFICATION:

The key features of this computer were inclusive of a 4.77MHz Intel microprocessor, 16K bytes of memory, 8 bits connector and ports for keyboard and tape.

WHAT ARE THE DIFFERENT COMPONENTS OF THE MOTHERBOARD?

- | | | | |
|----------------|---------------------|--------------|---------|
| 1. CPU sockets | 2. expansion slot | 3. RAM slots | 4. CMOS |
| 5. BIOS | 6. power connectors | | |

TYPES OF MOTHERBOARD

- XT motherboards
- AT motherboards
- ATX motherboards
- Micro motherboards
- E-ATX motherboards

G.NISHANTHI
III B.Sc (CS) – B

FACTS OF COMPUTER

- Only 10% of world's currency is physical money, the rest exists on computers.
- The HP, Microsoft and Apple have one very interesting thing in common: they were all started in a garage.
- The average human eye blinks 20 times a minute but when using a computer blinks only 7 times.
- The first popular web browser was called Mosaic and released in the year 1993.
- The first 1GB hard disk drive was announced in 1980 which weighed about 550 pounds and the price was \$40,000.
- Before we had Windows, it was supposed to be named Interface Manager.
- The first ever microprocessor, 4004, was designed for a calculator.
- It is said that in 1938 Russians developed a computer that works on water.
- Fugaku supercomputer is the world's fastest computer.
- A single computer program detects half of Wikipedia vandalism with than 90% precision.

R. HARINI
I-B.Sc.(CS) - A

How Many Words Can you Find? Words Search

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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| T | V | R | T | M | R | O | X | P | S | U | E | D | O | C | O | D | E | X | E | Y | N | R | G |
| R | U | B | Y | P | O | I | S | P | Y | T | H | O | N | G | F | X | E | A | S | G | X | I | A |
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| N | A | C | A | M | X | S | W | T | A | T | S | L | H | R | M | V | Q | R | C | T | S | P | O |
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| L | U | A | A | N | P | U | F | E | G | R | A | O | T | L | A | N | G | V | U | G | H | V | R |
| X | K | L | T | B | F | T | B | F | I | K | R | P | E | B | A | A | E | X | O | S | O | J | T |
| Y | O | U | A | V | P | M | U | S | O | I | J | I | L | E | A | R | J | L | Y | W | Q | M | S |
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| P | Y | B | O | S | T | T | M | S | L | Z | O | E | L | I | F | T | A | L | F | R | A | T | C |
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| X | S | S | C | D | Z | T | H | E | C | N | E | C | C | S | R | E | T | U | P | M | O | C | A |
| P | S | E | L | L | E | C | T | I | O | N | B | B | P | J | D | E | W | X | T | P | B | R | D |

- Term Megabytes Commands Key Relational Flatfile
- Field lossy Computerised Database Or Gates
- Logic Paperbased String Text Boolean Real
- Define Arrays Constant Types Data Breadthfirst
- Search Integer Value Sort Linear Print
- Loop Depthfirst Selection Sequencing Coding Syntax
- Proramming Iteration Else Output Input Psuedocode
- Flowcharts If Numbers Variables Ruby CSS
- HTML Python Algorithm Binary Hexadecimal Terrorbyte
- ComputerScience

P. KIRUTHIKKA
I B.Sc(CS)-A

INTERNET

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- The internet is a very important thing in this **model life**.
- We cant think of a single day without internet connection.
- Its is connected via **satellite,telephone line and optical fibre cables**.
- Internet is a global electronic community where millions of computer are connected with eachother.
- It helps to collect **information** from the storage space of the servers which are called **websites**.
- Via internet we can do all banking and financial transactions can send and receive money online and do online payments.
- We cant ignore the fact that internet is one of the biggest tool present in our daily life.

R.VISHALAKSHI,
I M.Sc(CS)

Web 3.0 TECHNOLOGY

- Web3 is the third generation of the internet
- It is powered by technologies such as AI, Machine Learning, and the IOT , relies on a decentralized and secure blockchain infrastructure
- Web3 protocols offer a range of service including computation, bandwidth, hosting, storage and identification.
- Web 3.0, or Web3, is a set of values and technical applications that define a new era of the World Wide Web.
- Prime Web 3.0 examples include ubiquity, decentralization, artificial intelligence, blockchain, and connectivity.

G.SATHYA,
I- MSc (CS)

C - PROGRAMMING HEADER FILES

A header file is a file with extension **.h** which contains C function declarations and macro definitions to be shared between several source files.

There are two types of header files: the files that the programmer writes and the files that comes with your compiler.

We request to use a header file in your program by including it with the C preprocessing directive **#include**, like you have seen inclusion of **stdio.h** header file, which comes along with your compiler.

Including a header file is equal to copying the content of the header file but we do not do it because it will be error-prone and it is not a good idea to copy the content of a header file in the source files, especially if we have multiple source files in a program.

A simple practice in C or C++ programs is that we keep all the constants, macros, system wide global variables, and function prototypes in the header files and include that header file wherever it is required.

M. SOWMIYA,
I – B.Sc(CS) - B

INTERESTING FACTS OF COMPUTER

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- ❖ Over 6,000 computer viruses are released each month.
- ❖ Computer are always a risk of getting a computer virus that makes them shut down or run slow. thats why its important to have anti-virus software on it.
- ❖ Averagely,a human blinks 20 times per minute,but computer reduces it to 7.
- ❖ The fire fox logo isn't a fox.Its a actually a red panda.
- ❖ There are approx. 3.5 billion google searches per day.

S.KAVIYA
III B.Sc(CS) – A

BENEFITS OF STUDING COMPUTER SCIENCE



- Easier to find the job
- It gives you the opportunity to change the word
- Acquire powerful and extremely useful skills
- High Income

Computer science is a good career - Computer science is a profitable professional with a wide range of applications .In general ,if an aspirant enjoys working with computers, sophisticated mathematics ,and problem –solving , a career in computer science is an excellent fit for all.

Computer science good for future - Earning your computer science degree either your bachelors in computer science or masters in computer science –open up numerous career opportunities. While computer science tends to be thought of as a hard major, it's also considered a good major because of the job opportunities.

K.SRINITHI,
I B.Sc CS- B

Wi-Fi

Wi-Fi is short for wireless fidelity.

It is freedom to access the internet from anywhere within the signal range and move you devices around without losing the connection. Connect any mobile device, laptop, tab, etc... with no extra work required .

Wi-Fi technology Is depending on the router and the connection, it has a range of around 100 meters. The connection is possible Through infrared and radio frequency waves. In this way the information can be transmitted. Currently radio frequencies of 2.4 gigahertz and 5 gigahertz are Used.

Wi-Fi 6 also known as 802.11ax is the latest generation. GOOGLE FIBER is the fastest internet provider followed by Xfinity and Verizon.

NITHISRI NK
III BCA

TRY TO LEARN THE EASY RIDDLES THROUGH OUR COMPUTER
BRAIN

I am your waiter for Information, What am I?



• I am a SERVER

I can write without pen,without the number 10 , What am I?

• I am aKEYBOARD

I have a tail and two flat ears.I with no feet , What am

• I am a..... MOUSE

Am I 25 years old,but only turned 8, What am I?

• I am aWINDOWS

As a developer,I am your eyes ,showing the result of your code in your language What am I ?

• I am a.....PRINT STATEMENT

The more your code ,the more of me there is,What

• I am aBUG

K.SRINITHI

I Bsc CS - B

COMPUTER SHORTCUT KEYS

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Alt + F File menu options in current program

Alt + E Edit options in current program

F1 Universal help (for all programs)

Ctrl + A Select all text

Ctrl + X Cut selected item

Shift + Del Cut selected item

Ctrl + C Copy selected item

Ctrl + Ins Copy selected item

Ctrl + V Paste

Shift + Ins Paste Home Go to beginning of current line

Ctrl + Home Go to beginning of document

End Go to end of current line

Ctrl + End Go to end of document

Shift + Home Highlight from current position to beginning of line

Shift + End Highlight from current position to end of line

Ctrl + f Move one word to the left at a time

Ctrl + g Move one word to the right at a time

Alt + Tab Switch between open applications

Alt + Shift + Tab Switch backwards between open applications

Alt + Print Screen Create screen shot for current program

Ctrl + Alt + Del Reboot/Windows® task manager

Ctrl + Esc Bring up start menu

Alt + Esc Switch between applications on taskbar

F2 Rename selected icon

F3 Start find from desktop

F4 Open the drive selection when browsing

F5 Refresh contents

Ctrl + A Select all contents of the page

Ctrl + B Bold highlighted selection

Ctrl + C Copy selected text

Ctrl + X Cut selected text

Ctrl + N Open new/blank document

Ctrl + O Open options

Ctrl + P Open the print window

Ctrl + F Open find box

Ctrl + I Italicize highlighted selection

Ctrl + K Insert link

Ctrl + U Underline highlighted selection

Ctrl + V Paste

Ctrl + Y Redo the last action performed

Ctrl + Z Undo last action

Ctrl + G Find and replace options

Ctrl + H Find and replace options

Ctrl + J Justify paragraph alignment

Ctrl + L Align selected text or line to the left

Ctrl + Q Align selected paragraph to the left

Ctrl + E Align selected text or line to the center

Ctrl + R Align selected text or line to the right

Ctrl + M Indent the paragraph

Ctrl + T Hanging indent

Ctrl + D Font options

Ctrl + Shift + F Change the font

Ctrl + Shift + > Increase selected font +1

Ctrl +] Increase selected font +1

Ctrl + Shift + < Decrease selected font -1

Ctrl + [Decrease selected font -1

Ctrl + Shift + * View or hide non printing characters

Ctrl + f Move one word to the left

Ctrl + g Move one word to the right

Ctrl + h Move to beginning of the line or paragraph

Ctrl + i Move to the end of the paragraph

Ctrl + Del Delete word to right of cursor

Ctrl + Backspace Delete word to left of cursor

Ctrl + End Move cursor to end of document

Ctrl + Home Move cursor to beginning of document

Ctrl + Space Reset highlighted text to default font

Ctrl + 1 Single-space lines

Ctrl + 2 Double-space lines

B.BAVYASRI
II B.Sc CS

CHATGPT THE CHATBOT

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ChatGPT (Chat Generative Pretrained Transformer) language model. It uses deep learning techniques to generate human-like responses to text inputs in a conversational manner."

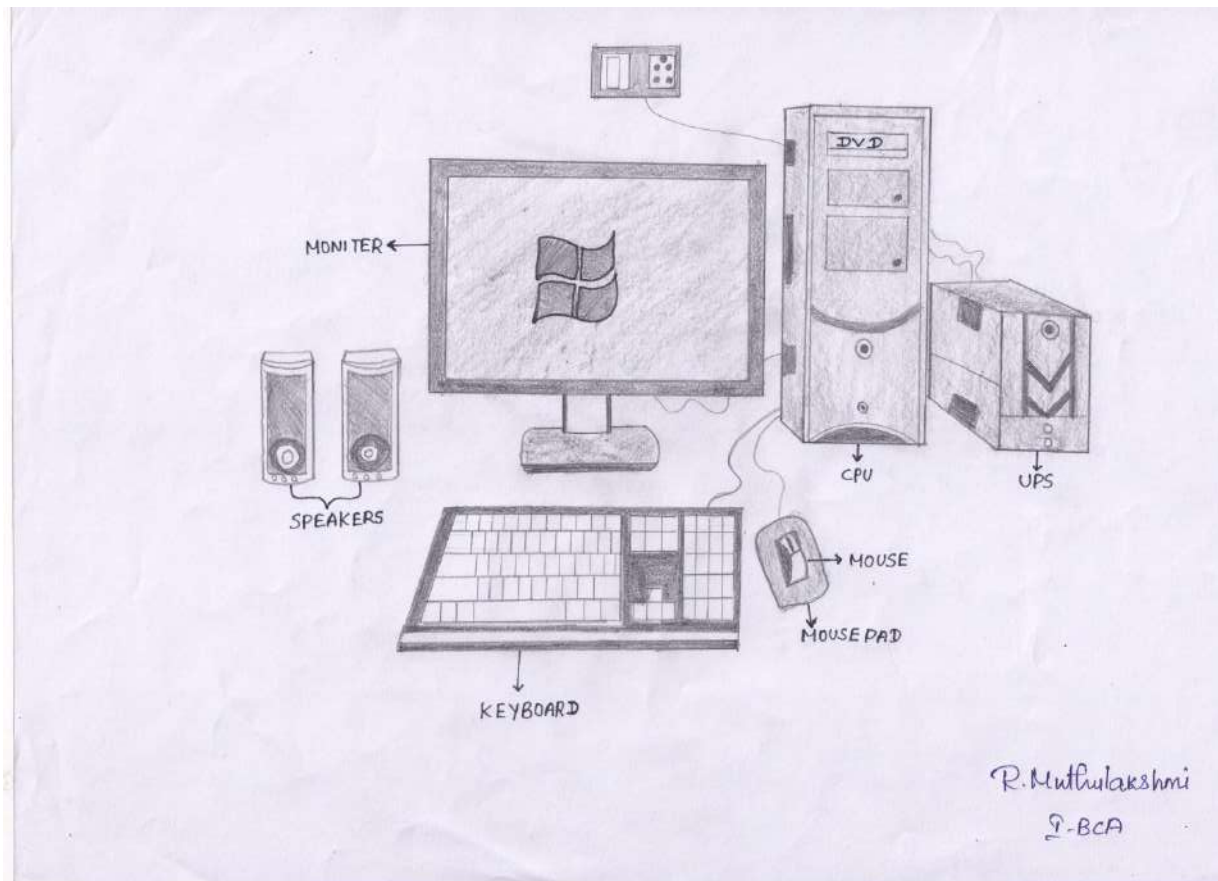
ChatGPT is an AI chatbot developed by San Francisco-based startup OpenAI. OpenAI was co-founded in 2015 by Elon Musk and Sam Altman.

ChatGPT is an artificial intelligence chatbot developed by OpenAI and launched in November 2022.

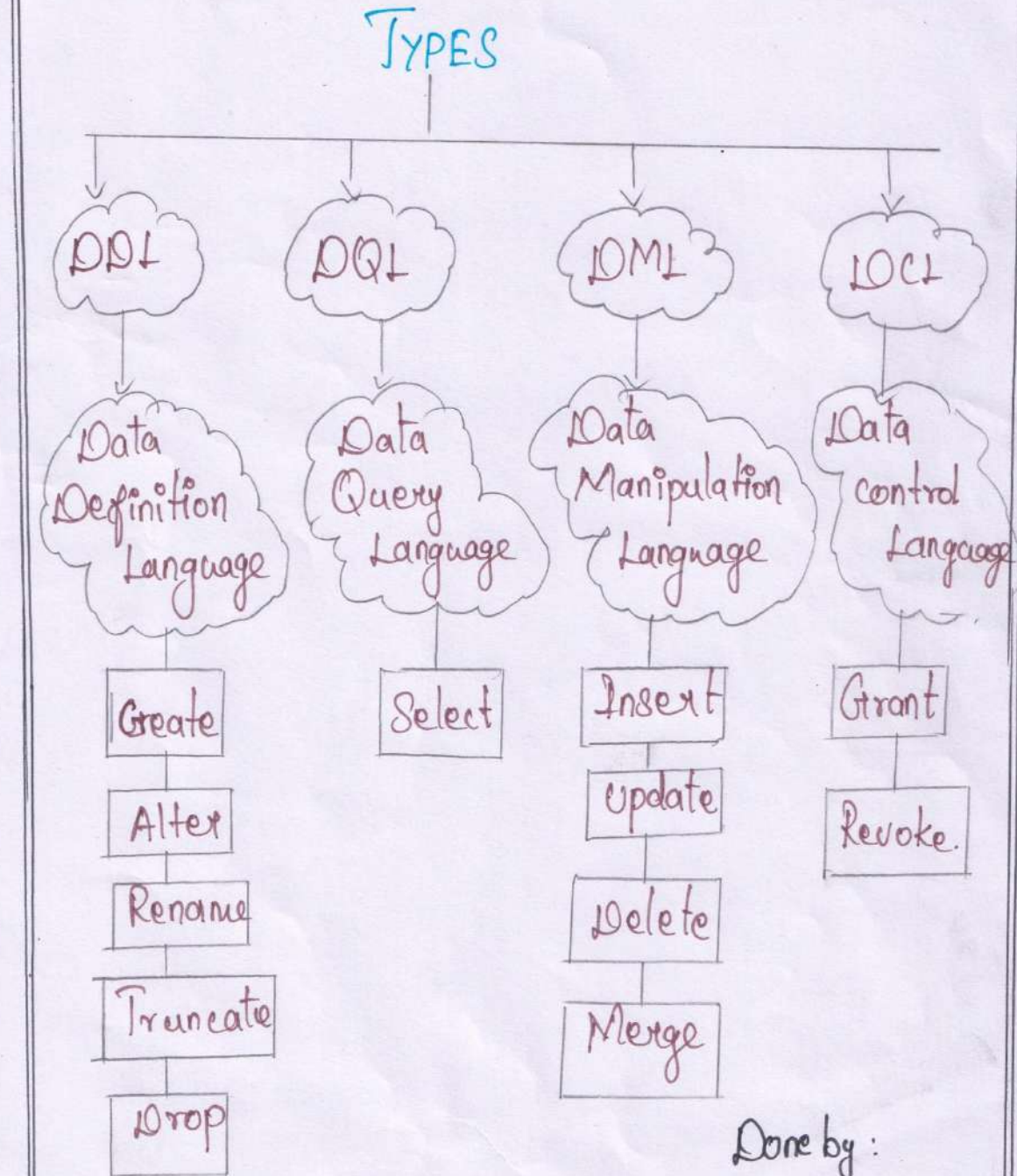
One reason for ChatGPT's popularity is its accessibility. The service is public to anyone via the OpenAI website, and its potential applications range from school homework to business journals.

“Predicting the future isn’t magic, It’s artificial intelligence”.

**S.AYSHA
III-B.SC [CS] - A**



SQL COMMAND TYPES



Done by :
S. Sujitha
I-MSc - CS



M.KIRUTHIGA
II B.Sc CS



R.MUTHULAKSHIMI
I BCA

YouTube CEO

Neal Mohan

16 Feb 2023 -

YouTube CEO Susan Wojcicki is stepping down after nine years in the role. In a blog post, she said she had "decided to start a new chapter focused on my family, health and personal projects I'm passionate about." YouTube's chief product officer, Neal Mohan, will take over as head of the Google - owned video platform

P.KIRIUTHIKKA

I - B. sc(CS)- "A"

COMPUTER QUOTES

Your brain works

Just like a computer

So make sure you the

Only one programming it

Man is still the

Most extraordinary

Computer of all.

-John F. Kennedy.

Access to computer and the

Internet has become a basic need

For education in our society.

-Kent Conard.

M. SANDHIYASRI
I-BCA

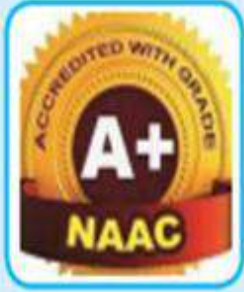


டிரினிடி மகலிர் கல்லூரி

நாமாக்கல் – 637 002

சேலம் பெரியார் பல்கலைக்கழகத்தின் நிரந்தரஇணைவுபெற்றது
புதுதில்லி பல்கலைக்கழக மானியக்குழுவின் 2(f) & 12(b) அங்கீகாரம் பெற்றது

சிகரம் தொட்ட சாதனை



தேசிய மதிப்பீடு

மற்றும்

தரச்சான்று குழுவினரால்

(NAAC) 3.31 / 4.00 புள்ளிகளுடன்

முதற்கற்றில் முத்திரை பதித்து

A⁺ சான்றிதழ் பெற்று சாதனை

உங்களின் வாழ்த்துகளோடு... எங்களின் வெற்றிப் பயணம்.

தலைவர்-செயலர்- இயக்குநர்கள் - முதல்வர் -

பேராசிரியர்கள்- மாணவியர் - அலுவலர்கள்

டிரினிடி மெட்ரிக் மேல்நிலைப்பள்ளி

டிரினிடி பன்னாட்டுப்பள்ளி