

# **ALU DCS**

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# *PLUG-INS*



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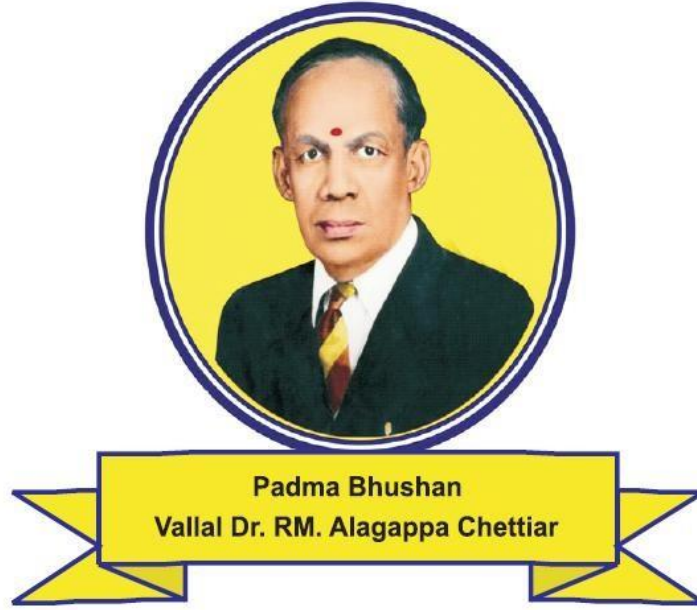
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## OUR FOUNDER



### வள்ளல் வாழ்த்து

கோடி கொடுத்த கொடைஞன் குடியிருந்த  
வீடும் கொடுத்த விழுத்தெய்வம் - தேடியும்  
அள்ளிக்கொடுத்த அழகன் அறிவூட்டும்  
வெள்ளி விளக்கே விளக்கு.

முன்பெருந் தவத்தால் தோன்றி  
முயன்றெமைக் காக்கும் வள்ளல்  
அன்பினால் அழகப்பாவின்  
அறம்பணி போற்றி செய்வோம்.



***Integrity, Industry & Innovation***

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## Student's Page

### COMPUTER SHORTCUTS

Ctrl + A – Select all in the current document  
Ctrl + B – Bold text  
Ctrl + C – Copies the item  
Ctrl + D – Displays the Font Dialog box  
Ctrl + E – Center Alignment  
Ctrl + F – Displays the Font dialog box, to search the current document  
Ctrl + G – Displays the Go To dialog box, to go to a specific location in the current document  
Ctrl + H – Displays the Replace dialog box  
Ctrl + I – Italic Text  
Ctrl + J – Full Justification  
Ctrl + K – Create Hyperlink  
Ctrl + L – Left Alignment  
Ctrl + M – Tab  
Ctrl + N – Creates a new document  
Ctrl + O – Displays the open file dialog box  
Ctrl + P – Displays the print dialog box  
Ctrl + R – Right alignment  
Ctrl + S – Displays the save dialog box  
Ctrl + T – Find next  
Ctrl + U – Underline Text  
Ctrl + V – Paste the copied item  
Ctrl + W – Submit window  
Ctrl + X – Cut the item or text  
Ctrl + Y – Redo the last undone action  
Ctrl + Z – Undo the last action

**S. AARTHI**  
**I M. Sc (CS)**

## Inside My Computer

My computer-- disassembled  
is a maze of cables, drives  
chips and ports--an array  
of connections, silver solderings,  
twisting wires.

But when the satiny case  
is latched in place  
coils and cables disappear.  
The smallest particle of matter  
is not an atom, but a byte--  
a particle of magic that combines  
and multiplies unseen  
inside the blinking box.

Creation occurs inside my computer--  
friends, family rest behind the pressing  
of selected keys. Words and faces  
form; smiles and frowns  
become feelings.  
Attraction becomes addiction.

Inside my computer  
merchants buy and sell--  
musicians sing,  
artists train pictures into pixels,  
poets recollect emotion in tranquillity.

Inside my computer  
dreams are imagined into reality--  
inventions, hopes, ideas are born  
and nurtured into happenings.  
Strangers share a table, touch  
hands across the world.

Inside my computer  
the pulse of human hearts  
waxes and wanes  
as people fall in and out  
of love

**M .Karthik**  
I M. Sc (CS)

## The Coded Symphony

Bits and bytes, in perfect tune,  
Orchestrating dusk till noon.  
Under keys, a hidden dance,  
The silent magic of freelance.

In circuits, songs of zero-one,  
A melody beneath the sun.  
Subroutines in nested grace,  
Unveil a web we interlace.

Call it code, or digital art,  
Woven threads that never part.  
From machine to human plea,  
A symphony in binary.

**M.KAVYA**  
I M. Sc (CS)



## IOS version

Device	Version	Tool
iPhone 2G	iPhone OS 1.0	No Name
iPhone 3G	iPhone OS 2.0	PwnageTool
iPhone 3GS	iOS 3.0	purplera 1n
iPhone 4	iOS 4.0.1	JailbreakMe 2.0
iPhone 4S	iOS 5.0 - 5.0.1	Absinthe
iPhone 5	iOS 6.0 - 6.1.2	evasi0n
iPhone 5S/5C	iOS 7.0 - 7.1	evasi0n7
iPhone 6 (Plus)	iOS 8 - 8.1	Pangu8
iPhone 6S (Plus)	iOS 9.0 - 9.0.2	Pangu9
iPhone SE	iOS 9.2 - 9.3.3	PPJailbreak
iPhone 7 (Plus)	iOS 10.1 - 10.1.1	Yalu
iPhone 8 (Plus)	iOS 11	LiberiOS
iPhone X	iOS 11	LiberiOS
iPhone XR	iOS 12.0 - 12.1.2	Electra??
iPhone XS (Max)	iOS 12.0 - 12.1.2	Electra??

**P.UdhayaPriya**  
II M. Sc (CS)

## Cryptocurrency

In the digital realm where codes entwine,  
Cryptocurrency emerges, a concept divine.  
Bitcoin, Ethereum , and tokens galore,  
In the blockchain's embrace, they soar.

Decentralized ledgers, transparent and clear,  
Transactions encrypted, without fear.  
Miners delve into algorithms deep,  
Seeking rewards in a digital sweep.

HODLers hold tight, through market's sway,  
Believing in the promise, come what may.  
ICO frenzy, a rush to invest,  
Dreams of wealth, put to the test.

Regulatory winds, blow with might,  
Navigating legality, day and night.  
Yet, in this realm of innovation's gleam,  
Cryptocurrency thrives as a digital dream.

A global currency, beyond borders bound,  
Empowering individuals, all around.  
Though volatility reigns, and risks persist,  
In the world of crypto, hope persists.

So let us journey, with cautious stride,  
In this landscape where fortunes abide.  
For in the poetry of cryptocurrency's tale,  
Lies a narrative of change, that shall never pale.

**I.Geetha**  
**I M. Sc (CS)**

## Keyboard Ballet

A ballet on your board, you see.

Each tap a move, each space a leap,

In harmony, no secret keep.

The backspace key, a step rewind,

The Enter key, a thought defined.

A choreographed routine,

On plastic stage, yet so serene.

Words take shape, a pirouette,

An artful twirl, no safety net.

Keyboard ballet, by fingertips,

A dance of letters, words, and scripts.

**N.Meena**  
**I M. Sc (CS)**

## A Poetic Ode to the Computer Age

My computer is like a helpful friend,  
Smart and full of knowledge till the end.  
It works hard in the world of bytes,  
Guiding me through my digital flights.

**J. Dharani**  
I M. Sc (CS)

## Programming Language:

A programming language is a way for programmers (developers) to communicate with computers. Programming languages consist of a set of rules that allows string values to be converted into various ways of generating machine code, or, in the case of visual programming languages, graphical elements.

Generally speaking, a program is a set of instructions written in a particular language (C, C++, Java, Python) to achieve a particular task.

**V. Priya**  
I M. Sc (CS)

## Key Features of DBMS

- ❖ Data modeling: A DBMS provides tools for creating and modifying data models, which define the structure and relationships of the data in a database.
- ❖ Data storage and retrieval: A DBMS is responsible for storing and retrieving data from the database, and can provide various methods for searching and querying the data.
- ❖ Concurrency control: A DBMS provides mechanisms for controlling concurrent access to the database, to ensure that multiple users can access the data without conflicting with each other.
- ❖ Data integrity and security: A DBMS provides tools for enforcing data integrity and security constraints, such as constraints on the values of data and access controls that restrict who can access the data.
- ❖ Backup and recovery: A DBMS provides mechanisms for backing up and recovering the data in the event of a system failure.

- ❖ DBMS can be classified into two types: Relational Database Management System (RDBMS) and Non-Relational Database Management System (NoSQL or Non-SQL)
  
- ❖ RDBMS: Data is organized in the form of tables and each table has a set of rows and columns. The data are related to each other through primary and foreign keys.
  
- ❖ NoSQL: Data is organized in the form of key-value pairs, documents, graphs, or column-based. These are designed to handle large-scale, high-performance scenarios.

**Ks. Balaji**  
II M. Sc (CS)

## The Lazy Keyboard Cat

In the middle of my typing spree,

My cat decides where she should be.

On the keys, she lays so flat,

A fluffy, purring keyboard mat.

“I see you’re working,” she seems to say,

“But right here is where I’ll stay.”

Every key, a gentle press,

She sends emails, oh what a mess!

CAPS LOCK on, she types her prose,

“Mrrrow purr purr,” her story goes.

A feline author, so adorably sly,

Disturbing work, with a contented sigh.

**I.Geetha**  
**I M. Sc (CS)**

MICROSOFT  
**EXCEL**



# *Shortcuts*

**CTRL + Z**

**CTRL + Y**

**CTRL + O**

**CTRL + W**

**CTRL + S**

**CTRL + P**

**CTRL + 0**

**CTRL + 9**

**UNDO**

**REDO**

**OPEN SPREADSHEET**

**CLOSE SPREADSHEET**

**SAVE SPREADSHEET**

**PRINT**

**HIDE SELECTED COLUMNS**

**HIDE SELECTED ROWS**

**ALT + H, H**

**ALT + H, B**

**ALT + H, D, C**

**ALT + H, A, C**

**SHIFT + F10**

**DELETE**

**CHOOSE FILL COLOR**

**ADD BORDERS**

**DELETE COLUMN**

**CENTER ALIGN CELL CONTENTS**

**CONTEXT MENU**

**DELETE CELL CONTENTS**



## Machine Learning vs. Deep Learning

Deep learning is a subset of machine learning, where engineers and scientists skip the manual step of creating features. Instead, the data are fed into the deep learning algorithm and it automatically learns what features are most useful to determine the output.

**Machine Learning:** A branch of artificial intelligence where engineers and scientists manually select features within the data and train the model. Common machine learning algorithms include decision trees, support vector machines, neural networks, and ensemble methods.

**Deep Learning:** A branch of machine learning modeled loosely on the neural pathways of the human brain where the algorithm automatically learns what features are useful. Common deep learning algorithms include convolutional neural networks (CNNs), recurrent neural networks, and deep Q networks.

**R.A. Harshini**  
II M. Sc (CS)

## Hardware VS Software

### Hardware vs Software

#### Hardware

- CPU/Terminal
- RAM
- Storage unit
- Keyboard, mouse, etc
- Printer

#### Software

- Programs
- Applications



**S.Priyanka**  
II M. Sc (CS)

## The Global Connection of Computers

world that's vast and wide,  
Where distance seems like an endless ride,  
There's a tool that connects us all,  
A device that helps us stand tall.

It's a machine that's complex and fast,  
A tool that's built to forever last.  
It's a computer, a device so grand,  
That helps us connect across the land.

Through the screens of our computers,  
We can travel the world like a scooter.  
We can communicate, we can collaborate,  
And make ideas come alive, like it's fate.

For computers are more than just machines,  
They're a tool that connects and intervenes.  
They're a way to connect with those far away,  
And share our ideas, like it's child's play.

**S.Mahibala**  
II M.Sc (CS)

## Department Events

### International Women's Day

International Women's Day (IWD), celebrated annually on March 8, honors the achievements and contributions of women globally. It advocates for gender equality and highlights the ongoing challenges women face. The day underscores the need for a more equitable world, where women's rights are respected and upheld. It serves as a platform to celebrate progress and mobilize efforts toward a gender-balanced future. In our department also we celebrated the internal women's day to emphasize on gender equality and women's empowerment. In view of this day we had organized competitions such as wonder of meme, poetry, just a minute (jam), animation and e-waste.



## ALUMNI ASSOCIATION



### CONTRIBUTIONS ARE INVITED FROM THE ALUMNI

**Account Name : Alagappa University Computer Science Alumni Association**

**Account Number : 6489723189**

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