ESSENTIAL CODER SKILLS

07 Coding language

05 Strong Memory

06 Self - Reliance

04 Understand Machine Complexity

02 Abstract Thinking

03 Communication Skills
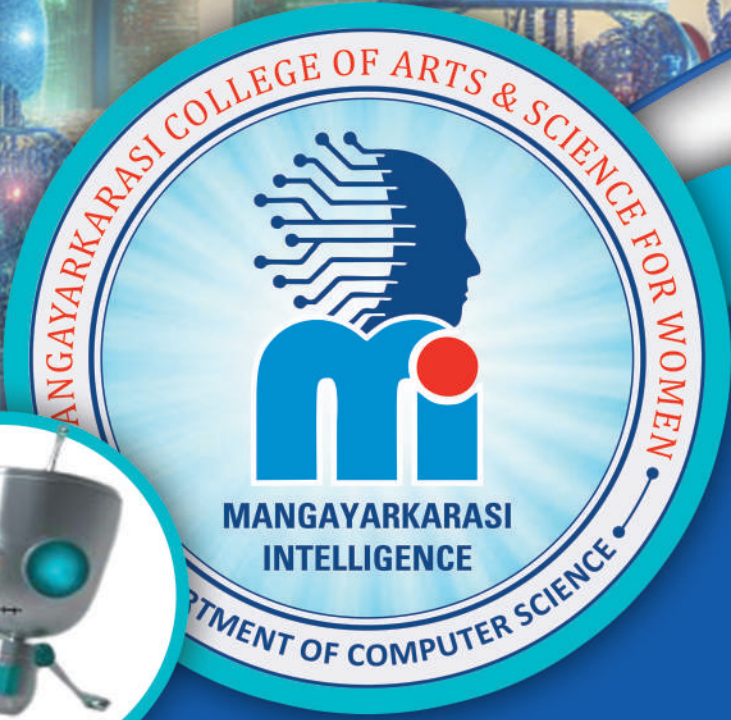
01 Attention to Detail

MI MAGAZINE

MANGAYARKARASI INTELLIGENCE

2K23-2K24

MANGAYARKARASI
COLLEGE OF ARTS AND SCIENCE FOR WOMEN

Affiliated to Madurai Kamaraj University | Re-accredited with 'B' Grade by NAAC
Approved by UGC Under Section 2(f) Status| ISO 9001:2015 Certified Institution
Paravai, Madurai-625402

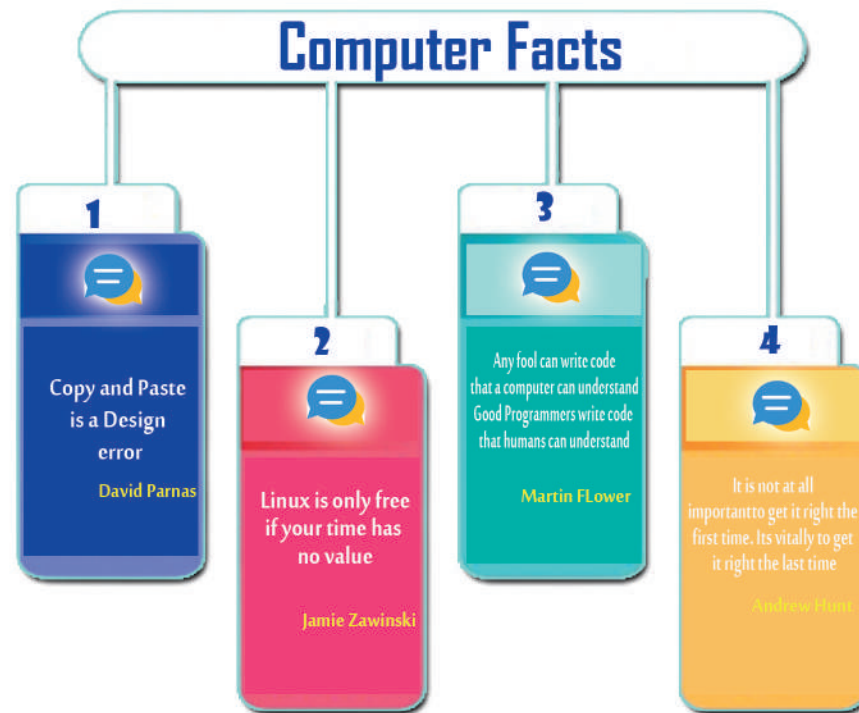## DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

@mangayarkarasi-arts-science   http://www.mcw-madurai.org

Computer Facts

1

Copy and Paste is a Design error

David Parnas

2

Linux is only free if your time has no value

Jamie Zawinski

3

Any fool can write code that a computer can understand Good Programmers write code that humans can understand

Martin FLower

4

It is not at all important to get it right the first time. Its vitally to get it right the last time

Andrew Hunt

HTML   JS   CSS

10 Trending Programming Languages for Software Development

- Python — 01
- JavaScript — 02
- C++ — 03
- Java — 04
- Rust — 05
- 10 — Go
- 09 — PHP
- 08 — CSS
- 07 — HTML
- 06 — Perl

Software Development

Augmented Reality

In higher education, augmented reality is used for a wide range of applications. Faculty use AR platforms to incorporate gamification into curricula and create educational material. Through AR technology, teachers can materialize abstract concepts to help students visualize and understand challenging subjects

Try to experience use Dinosaur 4D App

PENTACERATOPS
FIVE HORNED FACE

KRONOSAURUS
LIZARD OF KRONOS

ANKYLOSAURUS
FUSED OR STIFF LIZARD

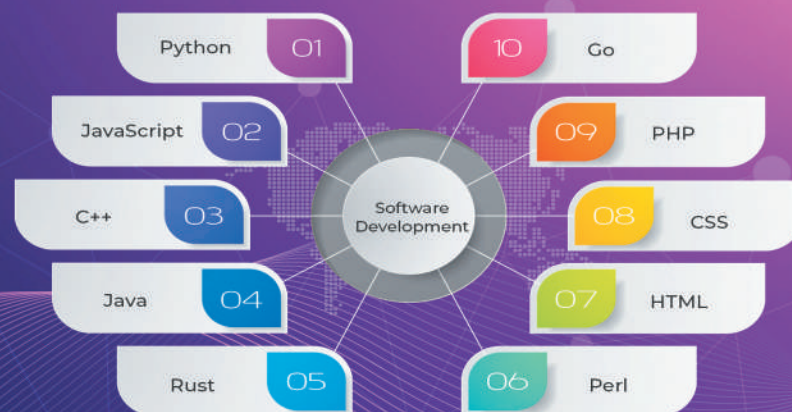### Three fundamental components make up augmented reality (AR) systems:

A blend of the real and virtual worlds
Real-time interaction
Accurate 3D registration of virtual and real things

Real-Life Examples

Google Maps

PEOPLE BEHIND THE PAGES

Dr.P.Ashok Kumar	Chairman & Secretary
Dr.A.Saravana Pradeep Kumar	Pro-Chairman
Er.A.Shakti Pranesh	Vice-Chairman
Dr.A.Divya Meenu Preetha	Co-Chairman
Dr.Uma Baskar	Principal
Smt.K.Chendur Priyadharshini	Dean of Academics
Dr.S.Suganthi	Dean of Arts
Dr.M.Punitha	Head, Dept.of Computer Science & Application

A Special mention to the faculty Community and the student who supported and assisted in our endevour

MI MAGAZINE 2023-2024

CONTENTS

TEAM WORK

3

ETHICAL HACKING

What is Hacking?

Hacking is the practice of gaining the unauthorized access of a system, in order to viewing, editing, copying the information or to accomplish a goal outside of the creator original purpose. The person who is consistently engaging in hacking activities is called hacker.

Advantages of Hacking

Can be used to recover lost information where the computer password has been lost. Teaches you that no technology is 100% secure. To test how good security is on your own network. They call it White hat computer hacking.

Disadvantages of Hacking

Criminals it can use it to their advantages can harm someones privacy its illegal.

Ethical Hacking Process
vpnAlert

1. Reconnaisance
2. Scanning
3. Gaining Access
4. Maintaining Access
5. Clearing tracks

10 Best Programming Languages for Hacking

Python	C++
C	JAVA
SQL	Ruby
JavaScript	Perl
PHP	Bash

Did you know? 🤔

How to get Domain Address?

Domain name registration process

After you have choose a domain name you will need to submit your domain name registration request to registrar

- The desired domain name

- The name and contact information (include email address, physical address, and contact phone number) for the domain registrant administrative and billing contact

- The desired the domain registration term

- Payment information

Once you have provided your registrar with all these information, they will then initiate the domain name registration process for you, the register will send your domain name request, and the contact and technical information of the domain name to the registry.

The registry files the contact information for the who is ,the registry also adds your domain zone files to the master serves ,these master serves tell other servers on the internet where your website is stored.

Your domain is considered registered and ready-to-use when all information has seen updated.

google.com
youtube.com
facebook.com
twitter.com
instagram.com
baidu.com
wikipedia.org

Vision

To empower the graduates to be technologically skillful, innovative, self-motivated and responsible citizens, possessing human values and contribute significantly towards being a center of excellence in providing globally standard education, through a conducive Teaching and Research environment, that responds swiftly to the challenges of the ever changing world.

Mission

To achieve academic excellence by imparting in-depth knowledge to the students through effective pedagogic and hands on experience on latest tools and technologies.

To pursue interdisciplinary research that will serve the needs of the entire global community.

To prepare students to be continuous learners in a connected world and imbibe professional skills and ethical responsibilities in them.

To strengthen the Industry-Academia interface that will help the graduates to emerge as leaders in academics or as inspiring revolutionaries in entrepreneurship.

To provide service to the community, both inside and outside the university, and to society

Editorial Board

The journey in the making of this magazine was pleasant and thrilling with our enthusiastic editorial team working relentlessly in their attempt to compile a masterpiece. Our endeavour has been to accomplish a benchmark by getting original articles and the chain of events happened with the support of the union.

'The Essence of Computer Science'. Without your efforts we wouldn't have been able to release our this magazine.

Chief Editor : Dr.M.Punitha

Co-Editors : Department Faculty Members

The Importance of Computer Science in Today's World

In the rapidly evolving landscape of technology, computer science has emerged as a fundamental discipline that shapes the way we live, work, and communicate. From powering our smartphones to driving advancements in artificial intelligence, computer science plays a pivotal role in our modern society. Computer science enables scientists to design sophisticated algorithms to analyze experimental results and model complex systems. It also plays a crucial role in developing software applications that facilitate data collection, organization, and visualization.

1.Technological Advancements:

Computer science is the driving force behind the rapid pace of technological advancements in computer science. Innovations in hardware and software have transformed industries, making processes more efficient and accessible.

2. Problem Solving and Critical Thinking:

Studying computer science fosters problem-solving skills and encourages critical thinking. Computer scientists are trained to approach challenges methodically, breaking down complex problems into smaller, more manageable parts. This analytical mindset extends beyond coding and programming, contributing to effective decision-making in various aspects of life.

3. Global Connectivity:

The internet, a product of computer science, has revolutionized global communication. Social media, online collaboration tools, and e-commerce platforms connect people and businesses across the world. Computer science not only facilitates information sharing but also plays a crucial role in developing cybersecurity measures to protect sensitive data in this interconnected digital landscape.

S.Shyamala Devi
I M.Sc (CS)

Chairman and Secretary

Mangayarkarasi College of Arts and Science for Women established in 1997 with the noble idea of educating under privileged women most probably women from rural pockets of Madurai. Located in Paravai, sprawling across eighty-five acres in a pristine environment our institution aims at offering quality education to all our students. We strongly believe in the fact that empowered women assist in emancipating the society and we have been rendering yeoman service in the education sector for the past twenty-two years with this motto.

I pray Goddess Meenakshi, the reigning deity of Madurai to bestow all her blessings on our students and faculty.

Dr. P. ASHOK KUMAR

The First Computer Mouse was Made of Wood

Vice Chairman

Hailing from a family of academics, we do understand the value of education and the necessity of carrying forward the legacy. Educating a woman makes her economically independent and emotionally stable. We at Mangayakarasi College of Arts and Science provide quality education along with co-curricular activities to strengthen the overall development of students. Students are prepared to face the challenges posed by the society. As of now, a group of institutions in Madurai we envisage to establish vibrant campuses all over south Tamil Nadu. Best wishes.

Er. A. SHAKTI PRANESH
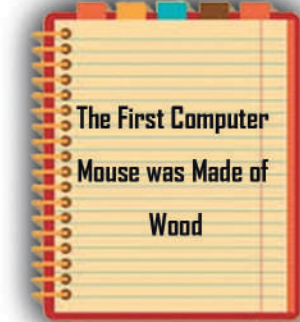
DID YOU KNOW ?

NORMALLY A MOUSE WHEEL SCROLL GOES VERTICALLY UP AND DOWN. BUT ANYONE KNOW IT MOVES LEFT AND RIGHT TOO? IF YOU HOLD THE SHIFT KEY AND SCROLL THE WHEEL IT GOES HORIZONTALLY.

Principal

Mangayarkarasi College of Arts & Science for Women is an esteemed Institution with the exemplary mission to educate and nurture young women. Our visionary founder Amarar Pitchaiya Pillai felt that Education is impressive to augment India's growth as a Modern Nation. Our Management strives to equip our students with all essential inputs to achieve success in a rapidly changing and deeply interconnected world.

We are committed to work for women empowerment and enable them shine as "Sheroses" of the world. be it academics, extra-curricular or co-curricular activities, our students have proven their potential every time. Building on the strong foundation values of the college, I invite our students to come and share our vision of excellence established through the didactic values of persistence and compassion. As a whole, we educate our students to remain sensitive to social responsibilities and ethical choices, so that they respond to those around them with care and kindness.

Education builds character! We strive for the holistic development of the Students. Besides, the regular curriculum, our faculty imparts skills that are essential for personality development and economic upliftment. We envisage an all-English environment campus to hone the communication skills of the rural girl student.

A plenthora of clubs has been established to encourage students. Eco-Club, Placement Cell, ED Cell are few such cells that assist the students to build their leadership skills.

We plan to help our students attain financial independence. This serves our motto properly "You do We Care"

Dr.Uma Baskar

I feel privileged to be a part of this magazine "Voice of Crystals". I would like to formally and sincerely express my gratitude for the amazing work accomplished by the Department of Computer Science and Applications.

The Department of Computer Science and Applications prepares students, with sound CS background knowledge along with the skills in the operation of computers, to carry out all the computerized work in different areas of trading and manufacturing organizations, to make their career choices and to make them responsible citizens.

The Department also organises Workshops, Seminars and Guest Lectures on current developments in the subjects periodically. Industrial visits and educational tours are also arranged regularly to provide exposure and experience.

As another stepping stone of success here comes the magazine "Voice of Crystals" which reveals the inherited talents of out students and faculty team.

Once again, thank all the students and faculty members for their hard work. I look forward to seeing your department's future achievements and successes!

Smt.K.Chendur Priyadharshini

Students Sketch
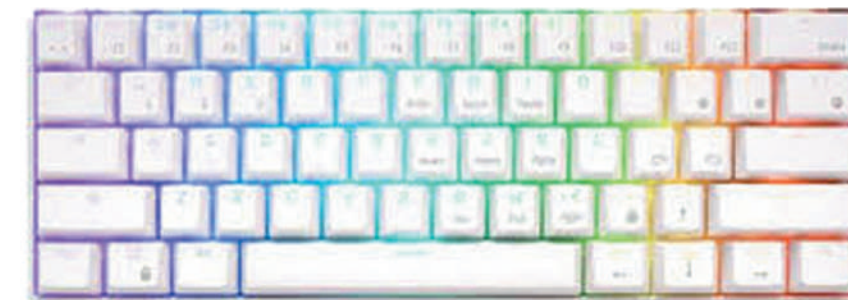
Programming Languages used in Artificial Intelligence

NETWORK SECURITY

- ENCRYPTION
- DATA LOSS PREVENTION
- SECURE COMMUNICATIONS
- SECURITY POLICIES
- ANTIVIRUS SOFTWARE
- INTRUSION DETECTION SYSTEMS (IDS)
- FIREWALLS
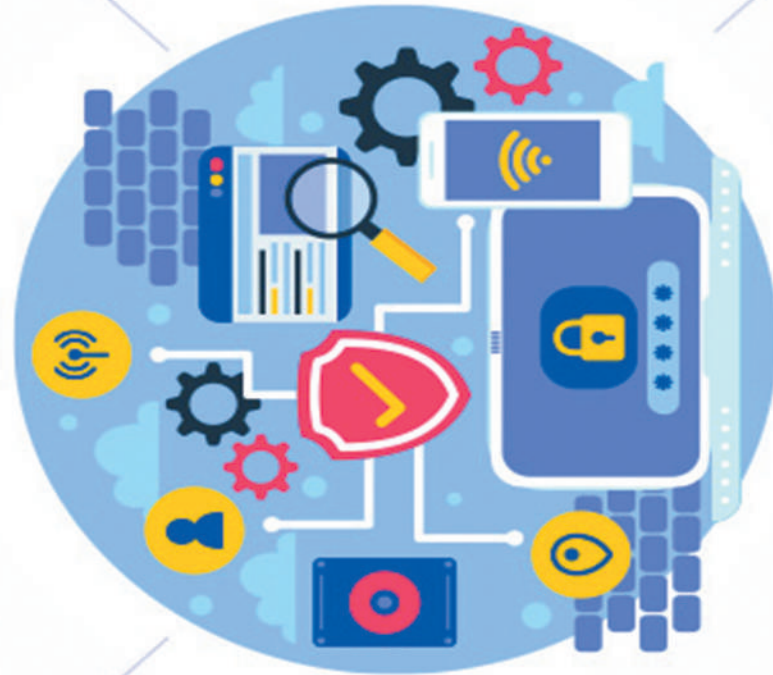
Dean of Arts

Mangai – intelligence is a path- breaking effort in the journey of computer science department. Hearty wishes to the Department of Computer Science and Applications for publishing this thought-provoking magazine "Mangai Intellience". The department of Computer Science has been doing yeoman service for the welfare of the student community by organising a plethora of events like Seminars, Conferences and Workshop. This magazine will surely enrich and enlighten the learning experience of students as well as teaching fraternity.

Dr.S.SUGANTHI

Head of the Department

Dr.M.PUNITHA

Warm Greetings to all!!

First and foremost, praises and thanks to God Venkatachalabathi, The Almighty, for His Showers of blessings throughout my work to complete the book successfully.

It is my pleasure to announce the release of the "Mangai Intelligence 2k24" magazine of Computer science and Applications. and also I am grateful to Dr.P.Ashok Kumar Secretary Sir, Er.A.Shakti Pranesh Director Sir, Principal Dr.Uma Baskar, Dean of Academics Mrs.Chendur Priyadharshini and Dean of Arts Dr.Suganthi, Manyarkarsi College of Arts and Science for Women, Madurai for being the Patrons of Mangai Intelligence 2K24. The Mangai Intelligence Club was a great success, with a galaxy of events and who shared their knowledge and expertise. The magazine contains a collection of research papers and Students Co-curricular excellence. I would also like to thank all the members of the Club for their tireless efforts to launch the Department magazine.

FACULTY DETAILS

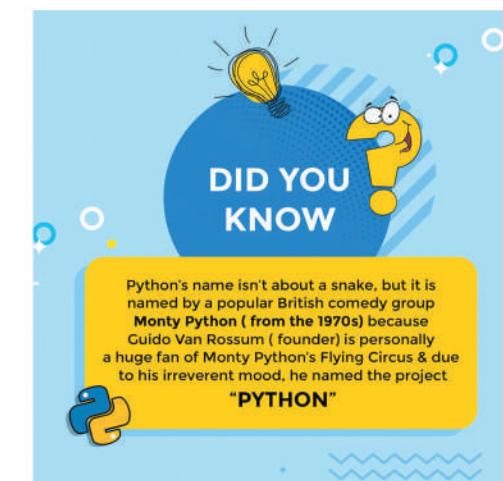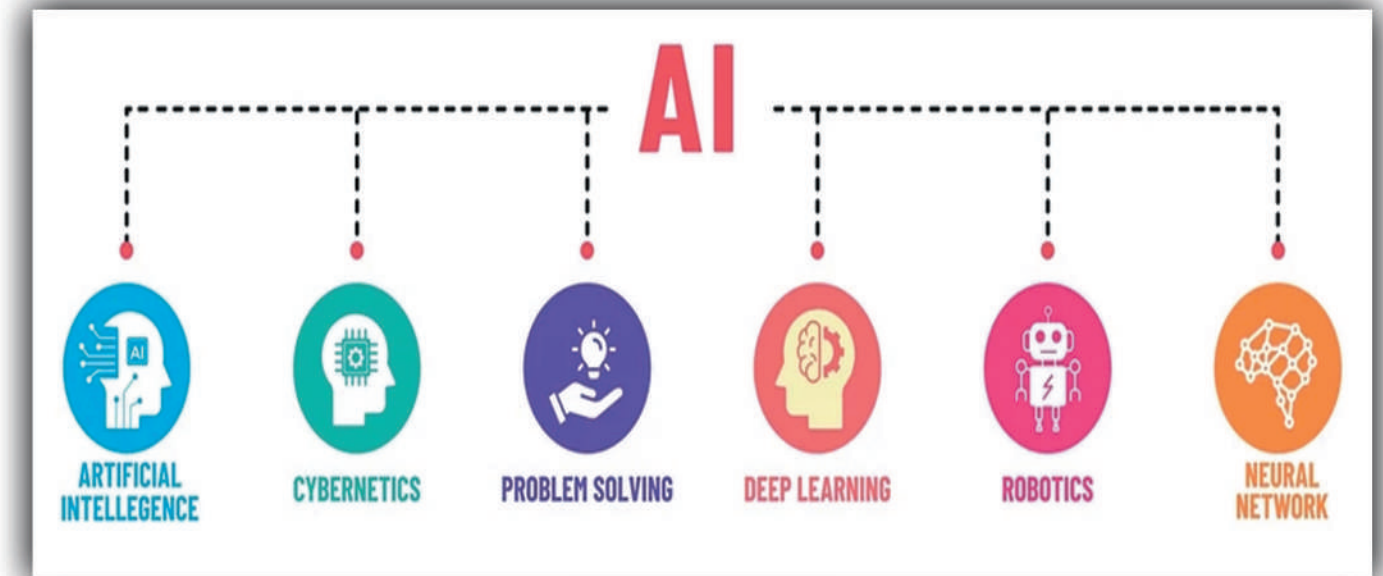| S.No	Name of the Faculty	Designation	Qualification
1	Dr.M.Punitha	Head/Assistant Professor	M.C.A., M.Phil., Ph.D
2	Ms.G.Sivabharathi	Assistant Professor	M.Sc., M.Phil., Ph.D
3	Ms. S.Kiruba Rani	Assistant Professor	M.Sc., M.Phil.,
4	Ms.B.Rajalakshmi	Assistant Professor	M.C.A. M.Phil.,
5	Ms.R.Lakshmi	Assistant Professor	M.Sc., M.Phil.,
6	Ms.P.Umadevi	Assistant Professor	M.Sc., M.Phil.,B.Ed.,
7	Ms.B.Subashini	Assistant Professor	M.Sc., M.Phil.,B.Ed.,
8	Ms.B.Meenakshi	Assistant Professor	M.C.A. M.Phil.,
9	Ms.J.Sunitha John	Assistant Professor	M.Sc., M.Phil.,B.Ed.,(Ph.D)
10	Dr.P.Pandiselvi	Assistant Professor	M.C.A., M.Phil., Ph.D
11	Ms.T.Umajothi	Assistant Professor	M.Sc., M.Phil.,NET.,(Ph.D)
12	Dr.M.Rajathi	Assistant Professor	M.C.A., M.Phil., Ph.D
13	Ms.D.Suryagowri	Assistant Professor	M.Sc., M.Phil.,B.Ed.,
14	Ms.V.Thirumalaiselvi	Assistant Professor	M.Sc., M.Phil.,
15	Ms.G.Nivethitha	Assistant Professor	M.Sc., M.Phil.,
16	Dr.R.Sangeetha	Assistant Professor	M.Sc., M.Phil.,Ph.D
17	Ms.C.Suvetha	Assistant Professor	M.Sc., M.Phil.,
18	Ms.M.Saranya	Assistant Professor	M.Sc., M.Phil.,
19	Ms.V.Poorani	Assistant Professor	M.Sc., M.Phil.,(Ph.D)
20	Ms.A.Shobana Roselin	Assistant Professor	M.Sc., M.Phil.,
21	Ms.V.Gunanandhini	Assistant Professor	M.Sc., M.Phil.,
22	Ms.P.Ponalagu	Lab Assistant	M.Com
23	Ms.S.Uma Maheswari	Lab Assistant	B.C.A
24	Ms.B.Chandrika	Lab Assistant	B.C.A

What Is Artificial Intelligence?

Artificial intelligence (AI) is a wide-ranging branch of computer science that aims to build machines capable of performing tasks that typically require human intelligence. While AI is an interdisciplinary science with multiple approaches, advancements in machine learning and deep learning, in particular, are creating a paradigm shift in virtually every industry.

Artificial intelligence allows machines to match, or even improve upon, the capabilities of the human mind. From the development of self-driving cars to the proliferation of generative AI tools, AI is increasingly becoming part of everyday life.

How does AI Work?

Artificial intelligence systems work by using algorithms and data. First, a massive amount of data is collected and applied to mathematical models, or algorithms, which use the information to recognize patterns and make predictions in a process known as training. Once algorithms have been trained, they are deployed within various applications, where they continuously learn from and adapt to new data. This allows AI systems to perform complex tasks like image recognition, language processing and data analysis with greater accuracy and efficiency over time.

AI — ARTIFICIAL INTELLIGENCE — CYBERNETICS — PROBLEM SOLVING — DEEP LEARNING — ROBOTICS — NEURAL NETWORK

DID YOU KNOW

Python's name isn't about a snake, but it is named by a popular British comedy group **Monty Python (from the 1970s)** because Guido Van Rossum (founder) is personally a huge fan of Monty Python's Flying Circus & due to his irreverent mood, he named the project **"PYTHON"**

FACTS

DID YOU KNOW?

Health Facts

- ✓ Stress Increases your risk of type 2 Diabetes.
- ✓ Getting more exercise may mean better sleep.
- ✓ Drinking a Cup of Coffee Can Reduce Feelings of Depression
- ✓ Drinking a cup of coffee can reduce feelings of depression.
- ✓ Music can improve the quality of your workout.
- ✓ Drinking five glasses of water may reduce your chance of having a heart attack.
- ✓ Companionship is good for the heart.
- ✓ Cold temperature can be good for your health.
- ✓ Bananas can help improve the mood.
- ✓ Optimism may help you live longer

Science Facts

- ✓ A cloud weighs around a million tons.
- ✓ Identical twins don't have the same fingerprints.
- ✓ Wearing a tie can reduce blood flow to the brain by 7.5 percent.
- ✓ The sun makes a sound but we can't hear it.
- ✓ The oceans produce the majority of the oxygen on earth.
- ✓ Helium has the ability to work against gravity.
- ✓ The moon looks upside down in the southern hemisphere.
- ✓ There are more bacterial cells in your body than human cells.
- ✓ The earth spins at roughly 100 miles per hour and travel through space at around 67,000 mph
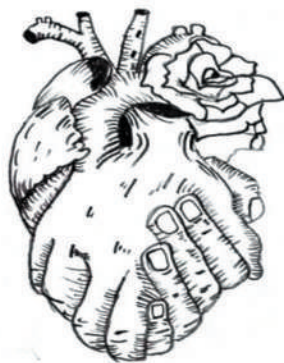
By
S. Lathija
I CS-'A'

About the Institution

Mangayarkarasi college of Arts and Science for women was established in 1997 by our benevolent founder, Amarar Pitchiah Pillai, a great philanthropist and a visionary of the 20th century. Ours is a fantabulous campus located in a pollution free, pleasant environment conducive for learning. Our college has been Re-Accredited by NAAC with "B" Grade during the academic year 2018-2019. The management is thoroughly dedicated to education. We hone the skills of young women and prepare them for life. For the past two decades, we have been offering quality education to under-privileged students at affordable fees. Our Campus is well connected to all prominent places in Madurai. MCW Campus provides a great ambiance. The infrastructure is one of the best in the region. It provides individual office spaces equipped with high-speed internet connectivity, high end laboratories with Wi-Fi facilities, ample meeting and discussion rooms, library, etc. to provide world class quality education to our aspiring students from rural background.
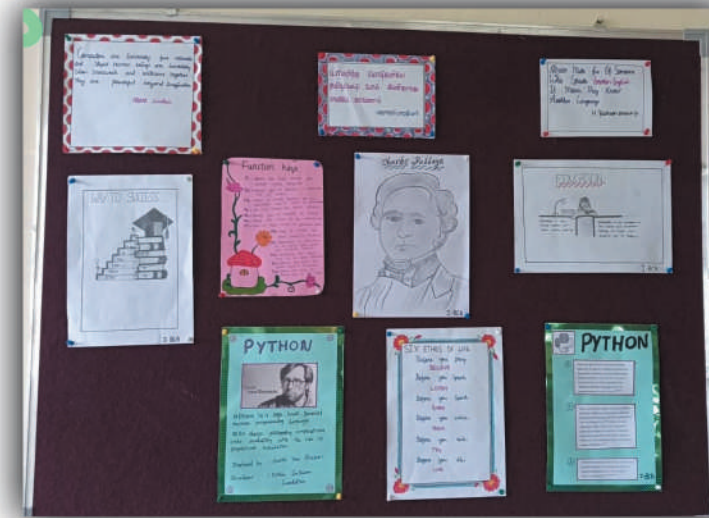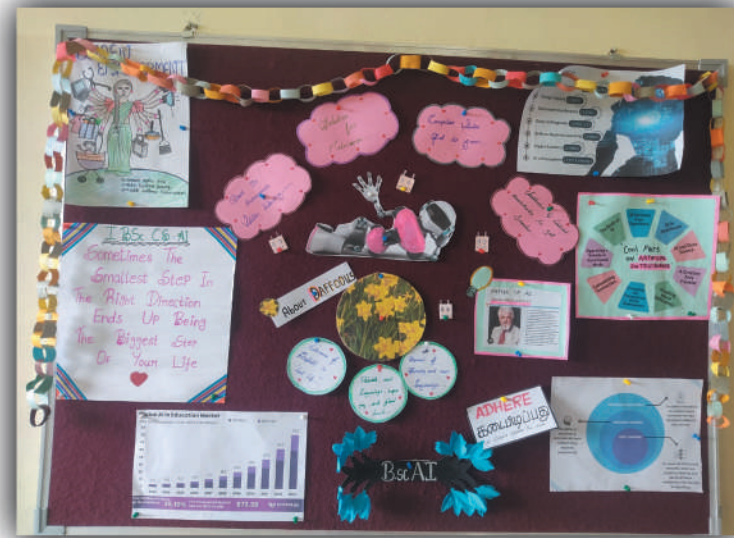
About the Department

B.Sc (CS) was established in the year of 1997 and B.C.A was established in the year of 2021. M.Sc (CS & IT) was started in the year 2002 and converted to M.Sc(CS) in the year 2016. DTP, DCA courses were introduced in 2010. The Department is also offering various Value Added courses. The Department aims to educate, engage and empower rural girls towards Global Knowledge Hub, striving continuously in pursuit of excellence in education and train them to apply their knowledge and skills for the betterment of society and provide a current, comprehensive, and collaborative student-centered learning environment for computer science and professional values associated with the discipline. Department is committed to encourage students/researchers to carry out innovative research in the field of computer science, keeping excellence in focus and deliver quality services to match the needs of the technical education system, industry and society. The department of Computer Science as a whole aims at the development of Computer Science Professionals with ethical values and society concern

Difference Between Primary & Secondary Memory

Students Created - Bulletin Board Ideas

EXCEL ALL SHORTCUT KEYS

SHORTCUT WITH ALT KEYS

ALT+F1	INSERT CHART
ALT+F2	SAVE AS
ALT+F4	EXIT
ALT+F8	MACRO DIALOG BOX
ALT+F11	VISUAL BASIC EDITOR
ALT+TAB	CYCLE APPLICATIONS
ALT + =	AUTOSUM
ALT +'	FORMAT STYLE DIALOG BOX
INSERT	TOGGLE INSERT MODE
DELETE	DELETE
HOME	MOVE TO BEGINNING OF LINE
END	MOVE TO END OF LINE
PAGE UP	PAGE UP
PAGE DOWN	PAGE DOWN
LEFT ARROW	LEFT
RIGHT ARROW	RIGHT
UP ARROW	UP
DOWN ARROW	DOWN
TAB	INDENT
ENTER	NEXT CELL
BACKSPACE	DELETE PREV CHAR

SHORTCUT WITH ALT & CTRL KEYS

ALT+A	GO TO THE DATA TAB
ALT+F	OPEN THE FILE MENU
ALT+H	GO TO THE HOME TAB
ALT+M	GO TO THE FORMULA TAB
ALT+N	GO TO THE INSERT TAB
ALT+P	GO TO THE PAGE LAYOUT TAB
ALT+W	GO TO THE VIEW TAB
ALT+H, A, C	CENTER ALIGN CELL CONTENTS
ALT+H, D, C	DELETE COLUMN
ALT+H, H	CHOOSE A FILL COLOR
CTRL + END	GO TO THE END OF A DOCUMENT
CTRL+SHIFT+>	INCREASE SELECTED FONT +1
SHIFT + INS	PASTE THE SELECTED ITEM
CTRL+SHIFT+F	CHANGE THE FONT
CTRL + INS	COPY THE SELECTED ITEM
CTRL + DEL	CUT SELECTED ITEM

A TO Z EXCEL SHORTCUT

CTRL + A	SELECT ALL CELL
CTRL + B	BOLD
CTRL + C	COPY
CTRL + D	FILL DOWN
CTRL + E	FLASH FILL
CTRL + F	FIND
CTRL + G	GO TO SPECIAL
CTRL + H	FIND & REPLACE
CTRL + I	ITALIC TEXT
CTRL + J	NA
CTRL + K	INSERT HYPERLINK
CTRL + L	CREATE TABLE
CTRL + M	NA
CTRL + N	NEW WORKBOOK
CTRL + O	OPEN FILE
CTRL + P	PRINT
CTRL + Q	DATA ANALYSIS TOOL
CTRL + R	FILL DUPLICATE RIGHT
CTRL + S	SAVE WORKBOOK
CTRL + T	CREATE TABLE
CTRL + U	UNDERLINE TEXT
CTRL + V	PASTE
CTRL + W	CLOSE WORKBOOK
CTRL + X	CUT
CTRL + Y	REDO
CTRL + Z	UNDO
CTRL + 0	HIDE COLUMNS
CTRL + 1	FORMAT CELLS DIALOG BOX
CTRL + 2	BOLD
CTRL + 3	ITALIC
CTRL + 4	UNDERLINE
CTRL + 5	STRIKETHROUGH
CTRL + 6	SHOW/HIDE OBJECTS
CTRL + 7	SHOW/HIDE STANDARD TOOLBAR
CTRL + 8	TOGGLE OUTLINE SYMBOLS
CTRL + 9	HIDE ROWS
CTRL + -	DELETE
CTRL + +	INSERT
CTRL +'	TOGGLE VALUE/FORMULA DISPLAY

FUNCTION KEY SHORTCUTS

F1	HELP
F2	EDIT
F3	PASTE NAME
F4	REPEAT LAST ACTION
F5	GOTO
F6	NEXT PANE
F7	SPELL CHECK
F8	EXTEND MODE
F9	RECALCULATE ALL WORKBOOKS
F10	ACTIVATE MENUBAR
F11	NEW CHART
F12	SAVE AS
SHIFT+F1	WHAT'S THIS?
SHIFT+F2	EDIT CELL COMMENT
SHIFT+F3	PASTE FUNCTION INTO FORMULA
SHIFT+F4	FIND NEXT
SHIFT+F5	FIND
SHIFT+F6	PREVIOUS PANE
SHIFT+F8	ADD TO SELECTION
SHIFT+F9	CALCULATE ACTIVE WORKSHEET
SHIFT+F10	DISPLAY SHORTCUT MENU
SHIFT+F11	NEW WORKSHEET
SHIFT+F12	SAVE
SHIFT+TAB	TO MOVE TO THE PREVIOUS CELL
TAB	TO MOVE TO THE NEXT CELL
CTRL +;	TO INSERT THE CURRENT DATE

SHORTCUT WITH CTRL KEYS

CTRL+F3	NAME MANAGER
CTRL+F4	CLOSE
CTRL+F5	RESTORE DOWN
CTRL+F9	MINIMIZE WINDOW
CTRL+F10	RESTORE DOWN / MAXIMIZE WINDOW
CTRL+F11	INSET 4.0 MACRO SHEET
CTRL+F12	OPEN FILE
CTRL+SPACE	TO SELECT THE ENTIRE COLUMN
CTRL+SHIFT+9	TO UNHIDE SELECTED ROW
SHIFT + SPACE	TO SELECT THE ENTIRE ROW
CTRL+ENTER	LINE BREAK

Excel is just full of rows and columns!

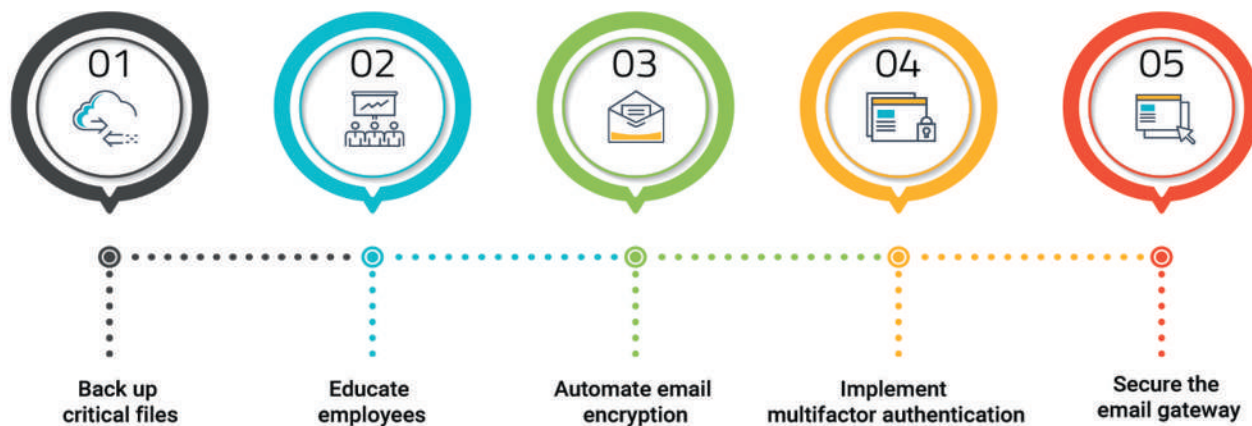Oh no, there are many interesting things you must know about Advanced Excel.

10 tips to protect your Email account from being hacked

1. Use a password manager and two-factor authentication wherever possible
2. If signing up for a new email service, check for 2FA support
3. Don't click suspicious links in email or texts
4. Use a VPN on your computer and your phone
5. Don't use public Wi-Fi or public computers, if you can help it
6. Get a strong antivirus
7. Secure your router and Wi-Fi
8. Keep your computer and smartphone OS up-to-date
9. Keep all of your computer and smartphone apps regularly updated
10. Consider putting a credit freeze on your account

BEST PRACTICES FOR EMAIL SECURITY

01	02	03	04	05
Back up critical files	Educate employees	Automate email encryption	Implement multifactor authentication	Secure the email gateway

Glimpses of the Year 2023 -2024

Achievements

❋ The department has setup MAA - HUB Computer lab around 450 Systems.

❋ The department has organized 5-Days International Online FDP on Recent Trends and Vistas in Artificial Intelligence.

❋ The department has organized One Day Seminar on Linux Operaring System

❋ Organized One Day Seminar on "New Trends of Vistas in IT Industry".

❋ Organized 5-Days International Online FDP-"Advanced Technologies and Trends in Computing"

❋ Organized One Day Seminar on "Analysis Of Cryptographic Algorithms ".

❋ Organized One Day Industrial Visit -HCL TECH.

❋ Organized One Day Seminar on "DigitalImage Processing by using MATLAB"

❋ The department has organized State Level INTER COLLEGIATE MEET MI BEAST'23 around 25 Colleges are participated.

❋ Organized 2-Days Workshop on Cloud Computing Using AWS.

❋ Ms.P.Umadevi is SPOC (Single Point of Contact) for Naan Mudhalvan Scheme under TNSDC.

The MoUs of the Department

S.K.Publications

ICT Academy

Celonsis / Ui-Path / Mongo DB (Academic Alliance)

Glimses
of the Year 2023 -2024

Paper Publications by Faculty

- HYBRID APPROACH OF TUMOR DETECTION IN MAMMOGRAM IMAGES BY USING SOFT COMPUTING TECHNIQUES Dr.M.PUNITHA
- IOT BASED REVOLUTIONIZING HEALTHCARE SURVEILLANCE Dr.M.PUNITHA, Ms.S.UMAMAHESWARI
- INJURY PREDICTION BY USING MACHINE LEARNING TECHNIQUES Dr.M.PUNITHA, K.RAMYA
- MULTIPLE DISEASE PREDICTION USING CONVOLUTION NEURAL NETWORK Dr.M.PUNITHA, M.SANTHIYA
- STUDENTS PERFORMANCE ANALYSIS USING DEEP LEARNING TECHNIQUE IN VIRTUAL ENVIRONMENT Dr.M.RAJATHI, Dr.J.ANTONY WILLIAMS.
- CLASSIFICATION OF DISEASES IN TOMATO LEAF USING ENHANCED CONVOLUTION NEURAL NETWORK Dr.SANGEETHA RAJENDRAN
- PREDICTION OF LIVER CANCER USING CT IMAGES IN KNN ALGORITHM M.SARANYA
- EFFECTIVE NAIVE BAYES CLASSIFIER FOR BIG DATA ANALYTICS BY APPLYING MAP REDUCE T.UMA JOTHI, V.KALAISELVI
- HAND WRITTEN DIGITS RECOGNITION USING MACHINE LEARNING C.SUVETHA
- RECOGNITION OF LIVER CANCER IN IMAGE SEGMENTATION B.MEENAKSHI
- SIGNATURE VERIFICATION ON BANK CHEQUE USING FEATURE DETECTION ALGORITHM Dr.M.RAJATHI, G.REVADEVI, S.BHAVANI
- UNMASKING DECEPTION: A MACHINE LEARNING APPROACH FOR FAKE LOGO DETECTION Dr.P.PANDISELVI, J.VIDHYA, B.THARANI
- GRAY AND COLOR IMAGE CONTRAST ENHANCEMENT BY THE CURVELET TRANSFORM Mrs.R.LAKSHMI, Mrs.S.KIRUBHA RANI
- PRODUCT PRIORITIZATION USING MULTICRITERIA DECISION TECHNIQUE Mrs.J.SUNITHAJOHN, Mrs.B.RAJALAKSHMI
- SURVEY ON COMPUTER BASED SYMMETRIC KEY ENCRYPTION TECHNIQUES V.THIRUMALAI SELVI
- ECLAT ALGORITHM FOR FREQUENT ITEM SET POORANI.V
- EMOTION DETECTION FRAMEWORK USING DISCRETE MULTI-LAYER PERCEPTRON CLASSIFIER FOR TWITTER DATA G.SIVABHARATHI

Most useful Websites and Apps for College Students

Koofers:
Enables you to access flashcards and prepare for exams more easily. In addition, students use Koofers to get information about job and internship openings and to get hired in adequate positions.

Sworkit:
When you forget about the importance of exercising, this app will remind you that there is always time for investing in your health and fitness

Help plag tracker:
When you write a paper, you have to make sure it's perfect in all aspects before turning it in. At this website, you can easily hire a professional editor to smooth out the content and start getting better grades on your academic assignments.

Dictionary.com mobile:
When you don't understand what your eloquent professor is saying, you can access this smartphone app and translate his expressions into simple words.

Club Activities

One Day Seminar on "New Trends of Vistas in IT Industry"

One Day Seminar on "Analysis of Cryotigraphic Algorithm"

Glimses
of the Year 2023 -2024

Students Enrichment Programme

"TECKATHON 2023"

The ICT Academy, in Association with Honeywell has conducted a Student's Enrichment Programme on Feb 2023 on the topic "Teckathon 2023".This Event has been conducted especially for CS/BCA students. The Event went on successfully with more participants form CS/BCA. The feedback and responses of the studentswere so good. We are planning to conduct events like this especially for the students to enhance their knowledge with the current scenario topics.The Event has been conducted through Online mode.

YOUTHTALK 2023

ICT Academy is an initiative of the Government of India in collaboration with the state governments and industries.The institution has made a MOU with ICT Academy, To prepare the students for the industry and bridge the gap between academic knowledge and industry-relevant skills. They provide advanced IT skills and soft skills training to students of higher education.

Youth Talk Contest is a student competition devoted to bring out inspiring ideas among students in the colleges in form of talks. Around 50 students from our cs department registered for the event and participated enthusiastically and submitted their video(speech).

Glimses of the Year 2023 -2024

Students Enrichment Programme

A skillathon is an event that uses the experiential learning model of doing, reflecting, and applying to test one's knowledge. Students from our department participated in the Ulpath Academic Alliance skillathon 2023 and got certified through self learning. The feedback and responses of the students were so good. We are planning to conduct such events in future in order to enhance the knowledge of the students related to the current scenario topics.

Diploma of Completion

Proudly presented to:

Gayathri Sundram

For successfully completing the course:

Control Flow in Studio

09/11/2024
Date of Issue

Hedley Potts
VP of Customer Experience & Enablement

RPA will help Humans become more human at Work

Data Mining Certification

Around 243 students got their certification from ICT Academy for the Programming Essentials in Datamining for which the training was completed during March 2023


Mongo DB Certification

Around 116 students got their certification from ICT Academy for the Programming Essentials in MongoDB for which the training was completed during July 2024

Coding Contest

Department of Computer Science and Applications organized coding competition on 2023. Around 30 students are participated in this event. Projects were judged on the basis of the understanding of the concepts, innovation and authenticity of the project and students presentation skills. Smt.K.Chendur priyadharshini, Dean Academics has given a very good feedback about the projects.
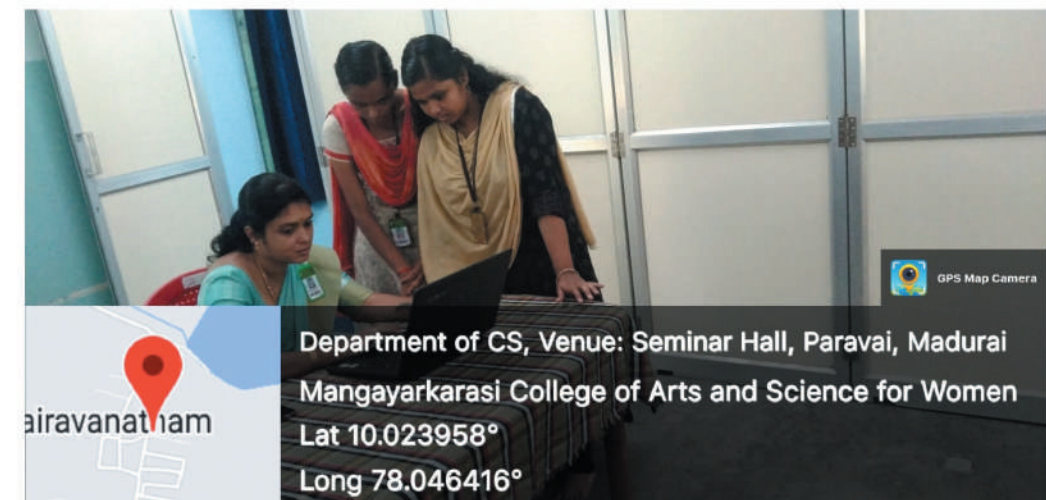
About Cloud Computing

Cloud computing is a general term for the delivery of hosted computing services and IT resources over the internet with pay-as-you-go pricing. Users can obtain technology services such as processing power, storage and databases from a cloud provider, eliminating the need for purchasing, operating and maintaining on-premises physical data centers and servers.

Organized 3 -Days AWS Workshop for PG Students

Science Exhibition at MKU

Glimses
of the Year 2023 -2024

Virtual Internship for Web Development

The industrial online internship Program was offered by Openweaver, UK. The students from Deparment of Computer Science and Applications participated in the programme. It was conducted by 4weeks. Internship provides in-depth knowledge of Datascience This internship enables the students to understand and learn the current trend in the job market. Students will prefer internships to build their profile for their jobs and also for their higher studies

Glimses
of the Year 2023 -2024

Learnathon 2023

ICT Academy in association with various industry partners has launched the 5th Edition of " Learnathon – 2023" with the aim of helping the students to build their skills online. One student should complete minimum 8 courses out of the 23 courses listed to be got Learnathon Completion certificate from ICT Academy. Our Students Participated this event, they successfully completed their course very enthusiastic. 100% of the students reached Target. 1445 Students out of 1345 got for Course Completion Certificate. Our Institution Secure Top 2nd Position in all over India out of 2916 institutions.

Glimses
of the Year 2023 -2024

AI Certification

Around 120 students got their certification from Infosys for the Programming Essentials in Artificial Inteligence course for which the training was completed during Sep 2023

Department of Cs in association with RRC Celebrate Heart Day