



DHANRAJ BAID JAIN COLLEGE

(AUTONOMOUS)

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DEPARTMENT OF COMPUTER SCIENCE

CODEVERSE

COMPUTER SCIENCE MAGAZINE



CODE



CREATE



CONNECT



INNOVATE

Ideas Today. Innovations Tomorrow.



Vol. 1



Issue 1



June–September 2026



Quarterly Edition



Think Creatively. Learn Continuously. Innovate Fearlessly.

Let your ideas inspire the next generation of technology



By Students
For Students



Department of
Computer Science



2026–2027



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PRINCIPAL'S MESSAGE

It gives me great pleasure to introduce “CODE VERSE”, the Department of Computer Science Magazine of Dhanraj Baid Jain College (Autonomous).

As an institution committed to academic excellence and holistic development, we believe that education should empower students not only with knowledge but also with creativity, critical thinking, innovation, and confidence. The field of Computer Science is constantly evolving, and our students have immense opportunities to explore new ideas and create solutions for the future.

CODE VERSE provides a platform for our students to showcase their technical knowledge, creative thoughts, achievements, and innovative ideas. I am happy to see their enthusiasm and commitment reflected through this magazine.

I sincerely appreciate the efforts of the Department of Computer Science, faculty members, student contributors, and the editorial team in bringing this magazine to life.

I encourage our students to think creatively, learn continuously, and innovate fearlessly. May this magazine inspire every student to explore, experiment, and transform ideas into meaningful innovations.

My heartfelt wishes for the success of CODE VERSE and for the continued achievements of our Department of Computer Science.

Dr. C. Sundar

Principal

Dhanraj Baid Jain College (Autonomous)



PROFESSOR-IN-CHARGE'S MESSAGE

It gives me immense pleasure to present “CODE VERSE”, the Department of Computer Science Magazine of Dhanraj Baid Jain College (Autonomous).

This magazine provides a wonderful platform for our students to showcase their knowledge, creativity, achievements, and innovative ideas. Their contributions reflect the enthusiasm and continuous learning fostered by the Department.



I appreciate the dedicated efforts of the faculty members, students, and editorial team in bringing out this magazine.

May CODE VERSE inspire our students to learn continuously, think creatively, and innovate fearlessly.

My best wishes for the continued success of the magazine and the Department of Computer Science.

Dr. M. Sakthivel Murugan

Professor-in-Charge

HOD'S MESSAGE

It gives me immense pleasure to present CodeVerse – Computer Science Magazine, a creative initiative of the Department of Computer Science, Dhanraj Baid Jain College (Autonomous).

CodeVerse provides a vibrant platform for our students to Code, Create, Connect and Innovate. This magazine brings together the creativity, knowledge, ideas and technological curiosity of our students through articles, AI updates, emerging technologies, gadgets, software trends, puzzles, digital art and much more.



In today's rapidly evolving digital world, Computer Science is not merely about learning technology; it is about thinking creatively, solving problems and transforming ideas into meaningful innovations. I appreciate the sincere efforts of our students and faculty in bringing this magazine to life.

I congratulate the editorial team and all the student contributors for their enthusiasm and commitment. I hope CodeVerse will inspire our students to explore new technologies, share their ideas confidently and continue their journey of lifelong learning.

Let us think creatively, learn continuously and innovate fearlessly.

My best wishes for the continuous success of CodeVerse and the Department of Computer Science.

Dr.S.Balaji

HOD

Department of Computer Science

EDITOR'S MESSAGE

It is with great pleasure and pride that I present the first edition of CodeVerse – Computer Science Magazine of the Department of Computer Science, Dhanraj Baid Jain College (Autonomous).

CodeVerse is a platform where the ideas, creativity and technological interests of our students come together. Through this magazine, we aim to encourage students to explore emerging technologies, express their knowledge, develop innovative ideas and look beyond the boundaries of the classroom.



This edition brings together student articles, AI news and updates, latest gadgets, software and technology updates, tech puzzles, Sudoku, digital art and inspiring tech quotes. Each contribution reflects the enthusiasm and curiosity of our young minds.

I sincerely appreciate the efforts of all the student contributors, editorial team and faculty members who supported us in making this magazine possible. Your dedication and creativity have given CodeVerse its unique identity.

I hope this magazine inspires every reader to Code, Create, Connect and Innovate.

Think Creatively. Learn Continuously. Innovate Fearlessly.

With warm regards,

Mrs. M. Rengalakshmi

Associate Editor

Associate Professor, Department of Computer Science

STUDENT'S MESSAGE

We are delighted to present the first edition of our Computer Science Department magazine, “CodeVerse.” This magazine is a reflection of our ideas, creativity, knowledge, and enthusiasm for technology.

Through this magazine, we as students have had the wonderful opportunity to explore various fields of Computer Science, express our ideas, showcase our talents, and learn from each other. This platform has helped us discover new interests, develop our skills, and share our creativity with confidence.

We sincerely thank our respected faculty members and our department for their constant encouragement, guidance, and support throughout this journey. Their motivation has inspired us to learn beyond the classroom and continuously improve ourselves.

As students, we hope this magazine inspires everyone to learn, create, innovate, explore new possibilities, and stay connected with the ever-changing world of technology. We believe that every idea has the power to make a difference, and every achievement begins with the courage **to try**.

Happy Reading!

— Students of the Department of Computer Science



Suvin Prakash R
I MSC(CS)



Sakthi Suresh M
III BSC(CS)



Balamurugan B
III BSC(CS)



The department of COMPUTER SCIENCE- Dhanraj Baid Jain College started in 1992, and has excelled in its teaching learning methodology and has consistent good academic track and prepares the students in a variety of areas employing various teaching and training methodologies and putting priority to the practical perspective. Students have also excelled in curricular and co-curricular activities and won laurels in competitions, interdepartmental fest...

CORE OBJECTIVES:

- Preparing students for careers: Students are prepared for employment and advanced studies.
- Upliftment of students community: Focusses upliftment of students from economical weaker sections and first graduates background.
- Developing professional skills: Students learn teamwork, communication and interpersonal skills. They also learn to function ethically and responsibly.
- Providing hands-on education: Students have access to labs and software.
- Encouraging real-world experience: Students gain experience through internship opportunities.
- Social awareness programmes : Students learn about security policy generation, risk management and ethical way of living.
- Helping students to get exposure in IT domain with the support of ICT Academy: Students can acquire knowledge to cope with IT expectations.
- Providing quality education: Students receive a high quality education with an updation of current trends.

FACTS

Artificial Intelligence (AI): Shaping the Future



Artificial Intelligence (AI) is one of the most significant technological advancements of the 21st century. It refers to the ability of machines and computer systems to perform tasks that normally require human intelligence, such as learning, reasoning, problem-solving, and decision-making. Today, AI has become an integral part of our daily lives, from voice assistants and online shopping recommendations to healthcare and education.

The concept of Artificial Intelligence was introduced by John McCarthy in 1956, and since then, the field has grown rapidly. Modern AI systems use large amounts of data and advanced algorithms to learn from experience and improve their performance. This has enabled machines to complete

complex tasks with remarkable speed and accuracy.

AI has transformed many sectors. In healthcare, it helps doctors diagnose diseases and develop better treatment plans. In education, AI-powered learning platforms provide personalised learning experiences for students. The banking sector uses AI to detect fraud and improve customer service, while the transportation industry benefits from intelligent traffic management and self-driving vehicle technology. AI is also widely used in agriculture, manufacturing, entertainment, and scientific research.

The growing use of AI offers numerous advantages. It increases productivity, reduces human error, automates repetitive

tasks, and helps organisations make faster and more accurate decisions.

At the same time, AI also presents challenges such as privacy concerns, cybersecurity risks, ethical issues, and the possibility of job displacement due to automation. These challenges highlight the importance of developing and using AI responsibly.

In the coming years, Artificial Intelligence is expected to play an even greater role in solving global problems and improving the quality of life. As technology continues to

evolve, AI will create new opportunities for innovation, education, healthcare, and sustainable development. By using AI ethically and responsibly, society can benefit from its enormous potential while minimising its risks.

Artificial Intelligence is not just a technology of the future—it is already transforming the present. Understanding AI and its impact will help students prepare for a world where intelligent systems become an essential part of everyday life.

Nigeetha thibik
II B.Sc., CS 'B'

Artificial Intelligence (AI): Transforming the Modern World

Introduction



Artificial Intelligence (AI) is one of the most revolutionary technologies of the modern era. It has transformed the way people live, work, learn, communicate, and solve problems. From smartphones and virtual assistants to self-driving vehicles and advanced medical diagnosis systems, AI has become an essential part of everyday life.

As technology continues to develop, Artificial Intelligence plays a significant role in shaping the future of society, businesses, education, healthcare, and scientific research. The concept of creating intelligent machines that can think and perform tasks like humans has fascinated people for many years.

What is Artificial Intelligence?

Artificial Intelligence refers to computer technology that enables machines to think,

learn, and solve problems in a way similar to human intelligence. AI systems can perform various tasks such as learning from experience, understanding languages, recognizing images, making decisions, and generating new content.

AI helps complete many tasks faster and more accurately, reducing human effort in repetitive and time-consuming activities. Businesses and organizations use AI to automate processes, improve efficiency, save time, and make better decisions.

By analyzing large amounts of data, AI helps organizations predict outcomes, understand customer needs, and improve their services.

Today, Artificial Intelligence is no longer limited to science fiction. It has become a practical technology that influences the present and continues to shape the future.

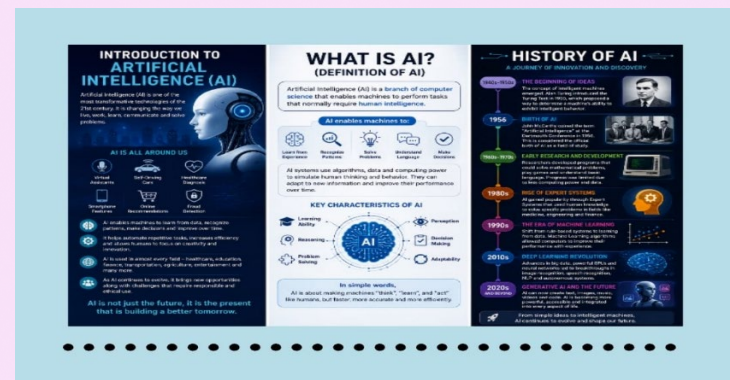
History of Artificial Intelligence

Although Artificial Intelligence may seem like a recent development, its foundation was built many decades ago. The early ideas behind AI began in the early 1900s, with researchers from different fields contributing to the development of intelligent machines.

In 1956, Alan Turing introduced important ideas related to machine intelligence. During the same year, John McCarthy introduced the term “Artificial Intelligence” at the Dartmouth Conference, officially establishing AI as a field of research.

From the 1970s to the 1980s, AI research experienced slower progress due to limitations in technology, funding, and computing power. However, the 1990s brought a major shift with the growth of Machine Learning and data-driven approaches.

From the 2000s to the 2010s, the Deep Learning revolution accelerated AI development. Improvements in computing power, availability of large datasets, and advanced algorithms helped AI achieve remarkable progress in areas such as image recognition, language processing, and automation.



Conclusion

Artificial Intelligence has evolved from a simple idea into one of the most transformative technologies in the modern world. It has continuously changed the way humans solve problems, communicate, and innovate.

Understanding the definition and history of AI provides a strong foundation for exploring its capabilities, applications, and impact on society. As AI continues to advance, it will remain a powerful technology that shapes the future of humanity.

G.Janani
II B.Sc. CS'A'



ROBOTICS

The Future of Intelligent Machines

Introduction

Imagine a machine that can walk, talk, learn, make decisions, and even perform tasks that are difficult or dangerous for humans. This is no longer just a scene from a science-fiction movie. It is the fascinating world of Robotics. Robotics is a rapidly developing field that combines Computer Science, Artificial Intelligence, Electronics, Mechanical Engineering, and Automation to create intelligent machines called robots. These machines are designed to perform tasks with speed, accuracy, and efficiency.

Today, robots are moving beyond factories and entering hospitals, schools, homes, laboratories, farms, and even outer space. As technology continues to advance, robotics is becoming one of the most exciting fields shaping our future.

What is Robotics?

Robotics is the branch of technology concerned with the design, construction, programming, control, and operation of robots. A robot can receive information through sensors, process that information using a controller or computer, and perform an appropriate action using motors or other mechanical components.

In simple words:

Sensors → Processing → Decision → Action

This basic cycle allows robots to interact with the world around them.

How Do Robots Work?

A robot usually consists of several important components:

Sensors

Sensors act like the robot's senses. They help the robot understand its surroundings.

Examples include:

- Ultrasonic sensors
- Cameras
- Temperature sensors
- Touch sensors
- Infrared sensors

2. Controller

The controller works like the brain of the robot. It processes information received from sensors and decides what the robot should do.

Microcontrollers such as Arduino and other computing platforms are commonly used in robotics projects.

3. Actuators

Actuators help the robot perform physical actions. Motors, servo motors, and robotic arms are examples of components used for movement.

4. Programming

Programming gives instructions to the robot. Languages and technologies such as C/C++, Python, and AI algorithms can be used depending on the robot and its application.

Robotics and Artificial Intelligence

The combination of Robotics + Artificial Intelligence is transforming ordinary machines into intelligent systems. Traditional robots generally follow predefined instructions. AI-powered robots can analyze information, recognize patterns, learn from data, and make decisions based on their environment.

For example, an intelligent robot equipped with a camera can identify objects and determine how to interact with them.

This combination is often called Intelligent Robotics.

Robots in Manufacturing

Manufacturing is one of the areas where robotics has had the greatest impact.

Industrial robots are used for:

- Welding
- Painting
- Assembly
- Packaging
- Quality inspection
- Material handling

Robots can perform repetitive tasks continuously with high precision. This helps industries improve productivity and maintain consistent quality.

Robots in Healthcare

Robotics is also changing modern healthcare.

Robotic systems can assist medical professionals in areas such as:

- Surgery
- Rehabilitation

- Patient assistance
- Medicine delivery
- Medical research

Robotic technology can provide precise movements and support doctors during complex procedures.

Robots in Agriculture

Agriculture is another field where robotics has enormous potential.

Agricultural robots can help with:

- Monitoring crops
- Detecting plant diseases
- Removing weeds
- Planting seeds
- Harvesting
- Measuring soil conditions

When combined with AI and sensors, robots can help farmers make better decisions and use resources more efficiently.

Robots in Space Exploration

One of the most fascinating applications of robotics is space exploration.

Robotic spacecraft, rovers, and robotic arms allow scientists to explore environments that are difficult or dangerous for humans.

Space robots can collect scientific data, capture images, examine planetary surfaces, and perform experiments.

They act as the eyes and hands of scientists in places humans cannot easily reach.

Robots in Everyday Life

Robots are gradually becoming part of everyday life. Examples include:

- Robot vacuum cleaners
- Smart assistants
- Educational robots
- Delivery robots
- Security robots

As robotics becomes more affordable and accessible, robots may become even more common in homes and public spaces.

What Will Robots Look Like in the Future?

The future of robotics is not simply about creating machines that move. The real goal is to create machines that can understand, learn, cooperate, and adapt.

Future robots may become better at:

- Understanding human language
- Recognizing emotions and expressions
- Learning new tasks
- Working safely with humans
- Navigating complex environments
- Making intelligent decisions

Humanoid robots may also become more capable of performing tasks in environments designed for humans.

Challenges in Robotics

Although robotics offers many advantages, it also presents challenges.

Cost

Advanced robots can be expensive to design, manufacture, and maintain.

Safety

Robots working around humans must be carefully designed to prevent accidents.

Employment Concerns

Automation may change the nature of certain jobs. Therefore, developing new technical skills and adapting to changing workplaces will become increasingly important.

Ethics

As robots become more intelligent, society must consider questions about responsibility, privacy, decision-making, and the appropriate use of autonomous systems.

Robotics and the Next Generation

Robotics is not only about machines; it is also about innovation and problem-solving.

Students can begin exploring robotics through simple projects such as:

- Obstacle-avoiding robots
- Line-following robots
- Smart dustbins
- Automatic plant-watering systems
- Voice-controlled robots
- Fire-detection robots

These projects help students understand programming, electronics, sensors, automation, and artificial intelligence in a practical way.

Conclusion

Robotics represents a powerful intersection of technology, creativity, and intelligence. From factories and hospitals to farms and outer space, robots are helping humans

solve problems that were once considered impossible.

The future will not necessarily be a world where robots replace humans. Instead, the most exciting possibility is a world where humans and intelligent machines work together.

The robot of tomorrow is not merely a machine that follows commands—it could be a machine that learns, adapts, and helps us create a better future.

“The future of robotics is not about replacing human intelligence; it is about extending what human intelligence can achieve.”



**ASHWINI.R
III BSC (CS)**

Insights from the Pioneers of Computing:

On the Reality of Coding

"First, solve the problem. Then, write the code." — John Johnson

FUTURE TECHNOLOGY: BUILDING THE WORLD OF TOMORROW

Technology has always been a powerful force that changes the way humans live, work, communicate, and learn. From simple machines to smartphones and artificial intelligence, every technological development has made life faster and more connected. But the real question is: What will technology look like in the future?

Future technology is not only about advanced machines or robots. It is about creating a smarter, safer, faster, and more sustainable world. Technologies such as Artificial Intelligence, Robotics, Virtual Reality, Augmented Reality, Quantum Computing, Biotechnology, and Smart Cities are expected to transform our daily lives.

Artificial Intelligence will become one of the most important technologies of the future. AI systems may assist doctors in detecting diseases, help students learn through personalized education, support businesses in making decisions, and make everyday devices smarter. Instead of simply following commands, future AI may understand human needs and provide more intelligent assistance.

Robotics will also play a major role.

Robots may work alongside humans in

industries, hospitals, agriculture, space exploration, and even dangerous environments. The future may not be about robots replacing humans completely, but about humans and machines working together to solve problems that are difficult or risky for people. Another exciting development is Virtual Reality and Augmented Reality. These technologies could change education, entertainment, communication, and professional training. Students may be able to explore historical places virtually, practice scientific experiments in digital environments, or learn complex subjects through interactive experiences.

The future of technology will also focus strongly on sustainability. Smart cities, renewable energy, electric vehicles, advanced batteries, and intelligent waste-management systems could help reduce pollution and protect natural resources. However, future technology also brings challenges. Privacy, cybersecurity, unemployment, digital addiction, and ethical issues must be carefully managed. As technology becomes more powerful, humans must make responsible decisions about how it

should be used.

Conclusion

The future will not simply be a world filled with advanced machines. It will be a world where technology becomes a partner in human progress. The most successful future will be one where innovation and humanity grow together. Technology can change the world, but the way humans use technology will decide whether that change becomes a better future.

“The future is not something we wait for; it is something we create with the technology we build today.”

Harish Kumar
III BSC (CS)

Artificial Intelligence: The Smart Technology Shaping Tomorrow

Introduction

Artificial Intelligence (AI) is changing the way people live, learn, and work. It is one of the most exciting inventions of the 21st century because it allows machines to perform tasks that normally require human intelligence. AI can understand information, recognize patterns, solve problems, and even learn from experience. Today, AI is no longer limited to research laboratories; it has become a part of our everyday lives.

From unlocking smartphones with facial recognition to receiving personalized recommendations on online shopping websites, AI is working quietly in the background. As technology continues to develop, AI is expected to become even more intelligent and useful. For students, understanding AI is important because it will influence future careers, education, healthcare, and society.

What Makes Artificial Intelligence Special?

Unlike traditional computer programs that only follow fixed instructions, AI systems can learn from data and improve their performance over time. This ability to

learn makes AI different from ordinary software. AI observes patterns, analyzes information, and makes predictions based on what it has learned.

For example, when a music app recommends songs based on your listening history, it is using AI to understand your preferences. Similarly, navigation apps suggest the fastest route by analyzing traffic conditions in real time.

The Journey of AI

The dream of creating intelligent machines has existed for many years. Scientists believed that computers could one day imitate human thinking. During the 1950s, researchers started developing programs that could solve simple problems. However, computers at that time were slow and expensive, making AI development difficult.

As computer technology improved and huge amounts of digital data became available, AI experienced rapid growth. The invention of powerful processors, cloud computing, and machine learning techniques allowed AI to perform tasks that were once considered impossible. Today, AI is used by millions of people across the world.

Main Components of AI

- **Artificial Intelligence** is built using several important technologies.
- **Machine Learning** allows computers to learn from examples instead of following only fixed instructions.
- **Deep Learning** uses artificial neural networks to recognize complex patterns such as speech, handwriting, and images.
- **Natural Language Processing** (NLP) enables computers to understand and communicate using human languages.
- **Computer Vision** helps machines recognize objects, people, and activities from images and videos.
- **Robotics** combines AI with mechanical systems to create intelligent machines capable of performing physical tasks.

- Together, these technologies make AI smarter and more capable.

AI in Everyday Life

- Many people use AI every day without realizing it.
- Voice assistants answer questions and set reminders.
- Banking applications detect suspicious transactions to prevent fraud.
- Hospitals use AI to analyze medical scans and support doctors during diagnosis.
- Schools use AI-powered learning platforms that adapt lessons according to each student's performance.
- Farmers use AI to predict weather conditions, monitor crop health, and improve agricultural productivity.
- Manufacturing industries use AI-controlled robots to produce goods with greater speed and precision.
- Streaming services recommend movies and TV shows based on user interests.

AI in Education

Education is one of the fields that benefits greatly from Artificial Intelligence. AI provides personalized learning experiences by understanding each student's strengths and weaknesses. It can recommend additional practice for

difficult subjects and offer instant feedback. Teachers can also use AI to reduce administrative work such as grading assignments, tracking attendance, and preparing learning materials. Virtual tutors are available at any time, allowing students to learn whenever they need help. Although AI supports education, it should not replace teachers. Human teachers inspire creativity, provide emotional support, and guide students in ways that machines cannot.

Benefits of Artificial Intelligence

Artificial Intelligence offers many advantages in various fields. It performs repetitive tasks quickly and accurately, reducing human errors and improving efficiency. AI can operate continuously without becoming tired, thereby increasing productivity in industries. It also supports faster and better decision-making by analyzing large amounts of data. In healthcare, AI assists in the early detection of diseases and improves patient care. It enhances customer service through intelligent chatbots that provide quick and automated responses. Furthermore, AI contributes to scientific discoveries and technological innovation, helping

organizations and society achieve greater efficiency and progress.

Because of these benefits, AI is becoming increasingly important in every sector.

Challenges and Risks

Despite its advantages, Artificial Intelligence also presents several challenges. Some jobs involving repetitive tasks may become automated, which can affect employment opportunities in certain sectors. Developing and maintaining AI systems requires significant investment, advanced technology, and skilled professionals. Privacy concerns may arise because AI systems often depend on large amounts of personal data. If AI models are trained using biased or incomplete information, they may produce unfair or inaccurate results. Additionally, cybersecurity threats may increase if AI technologies are misused.

Therefore, society must use AI responsibly while establishing appropriate rules and regulations that ensure fairness, safety, privacy, accountability, and transparency.

Future Opportunities

The future of Artificial Intelligence is full of possibilities. AI is expected to support medical research, environmental

protection, disaster management, and space exploration. Smart cities may use AI to improve transportation, reduce pollution, and conserve energy. New career opportunities will continue to emerge, including AI Engineer, Machine Learning Engineer, Robotics Engineer, Data Scientist, AI Researcher, and AI Ethics Specialist. Students who develop skills in programming, mathematics, communication, and problem-solving will have excellent opportunities in these fields.

Responsible Use of AI

As AI becomes more powerful, ethical responsibility becomes increasingly important. AI should always be designed to benefit society rather than harm it. Personal information must be protected, and AI decisions should be transparent and fair. Students should use AI as a learning assistant instead of depending on it for every task. Critical thinking, creativity, teamwork, and ethical values remain essential human qualities that AI cannot fully replace.

Conclusion

Artificial Intelligence is more than a technological innovation—it is a powerful tool that is transforming the world. It is improving healthcare, education, business, agriculture, transportation, and communication. While AI brings exciting opportunities, it also requires responsible development and thoughtful use.

For students, learning about AI today means preparing for the careers and challenges of tomorrow. By combining human intelligence with artificial intelligence, society can create innovative solutions that improve the quality of life for future generations.

SUDALAIRAJ
III B.Sc(CS)

SOFTWARE & TECH UPDATES

Top 10 Global Companies & CEOs

1. **Apple Inc.** — CEO: John ternus
2. **Microsoft** — CEO: Satya Nadella
3. **Alphabet Inc.** — CEO: Sundar Pichai
4. **Amazon** — CEO: Andy Jassy
5. **NVIDIA** — CEO: Jensen Huang
6. **Meta Platforms** — CEO: Mark Zuckerberg
7. **Tesla** — CEO: Elon Musk
8. **Berkshire Hathaway** — CEO: Warren Buffett
9. **TSMC** — CEO: C. C. Wei
10. **Samsung Electronics** — CEO: Jong-Hee Han

TECH COMPANIES AND CEOs

1. **Apple Ink. — CEO : John Ternus**

Apple Inc. is an American multinational technology company headquartered in Cupertino, California. It is well known for products such as the iPhone, iPad, Mac, Apple Watch, and AirPods. The company also provides services such as Apple

Music, iCloud, Apple TV+, and the App Store. Apple focuses on innovation, design, privacy, and user-friendly technology. The CEO of Apple Inc. is John Ternus.



2.Microsoft — CEO: Satya Nadella

Microsoft is a leading American technology company headquartered in Redmond, Washington. It develops software, cloud services, computers, gaming products, and business solutions. Its major products and services include Windows, Microsoft 365, Azure, Xbox, and LinkedIn. Microsoft is also actively involved in artificial intelligence and cloud computing. **The CEO of Microsoft is Satya Nadella.**



3.Alphabet Inc. — CEO: Sundar Pichai

Alphabet Inc. is an American multinational technology company and the parent company of Google. Google provides popular services such as Google Search, YouTube, Android, Google Maps, and Google Cloud. Alphabet also works in areas such as artificial intelligence, cloud computing, and advanced technology. The company earns a significant portion of its revenue through digital advertising. The CEO of Alphabet Inc. is Sundar Pichai



4. Amazon — CEO: Andy Jassy

Amazon is an American multinational company that operates in e-commerce, cloud computing, digital entertainment, and technology. It started as an online bookstore and later became one of the world's largest online retailers. Amazon Web Services (AWS) is one of its major businesses and provides cloud-computing services globally. The company also operates logistics,

streaming, and smart-device businesses. The CEO of Amazon is Andy Jassy.



5. NVIDIA — CEO: Jensen Huang

NVIDIA is an American technology company best known for designing graphics processing units (GPUs). Its technology is widely used in gaming, artificial intelligence, data centers, scientific computing, and professional applications. NVIDIA's hardware and software platforms support the development of modern AI systems. The

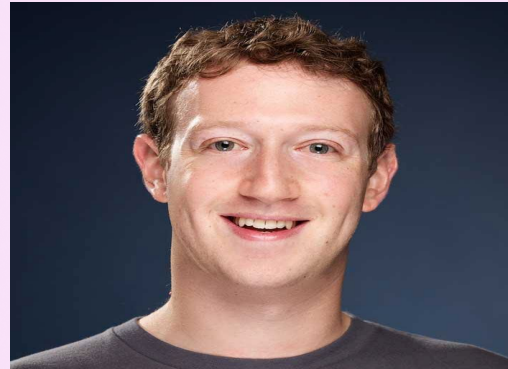
company has become an important supplier of computing technology for AI and machine learning. The CEO of NVIDIA is Jensen Huang.



6. Meta Platforms — CEO: Mark Zuckerberg

Meta Platforms is an American technology company headquartered in Menlo Park, California. It operates popular platforms such as Facebook, Instagram, and WhatsApp. The company develops technologies in areas including artificial intelligence, virtual reality, and augmented reality. Its Reality Labs division develops products such as Meta

Quest for immersive computing experiences. The CEO of Meta Platforms is Mark Zuckerberg.



7. Tesla — CEO: Elon Musk

Tesla is an American company that develops electric vehicles and clean-energy technologies. Its major products include electric vehicles such as the Model 3, Model Y, Model S, and Model X. Tesla also develops energy-storage systems and solar-energy products. The company invests in vehicle software, driver-assistance technologies, and

autonomous-driving research. The CEO of Tesla is Elon Musk.



8. Berkshire Hathaway — CEO: Warren Buffett

Berkshire Hathaway is an American multinational holding company headquartered in Omaha, Nebraska. It owns and invests in businesses across industries such as insurance, energy, transportation, manufacturing, and retail. The company is well known for its long-term investment approach and diversified business portfolio. Its major

insurance businesses include GEICO and Berkshire Hathaway Reinsurance Group. The CEO of Berkshire Hathaway is Warren Buffett.



9. TSMC — CEO: C. C. Wei

Taiwan Semiconductor Manufacturing Company (TSMC) is a leading semiconductor manufacturing company headquartered in Taiwan. It specializes in producing chips designed by other companies around the world. TSMC manufactures advanced semiconductors used in smartphones, computers, automobiles, artificial intelligence, and data centers. It plays an

important role in the global semiconductor supply chain. The CEO of TSMC is C. C. Wei.



10. Samsung Electronics — CEO: Jong-Hee Han

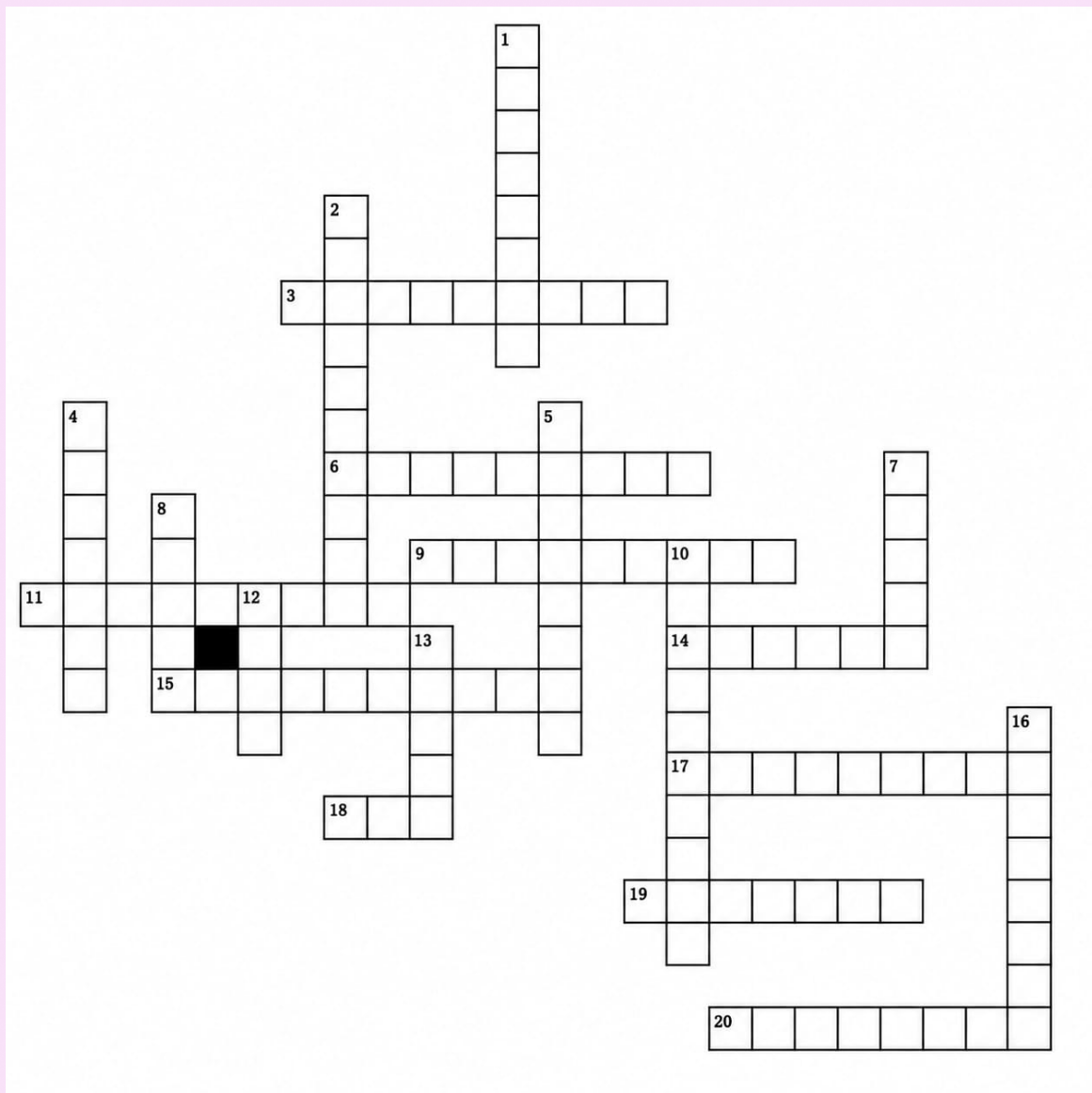
Samsung Electronics is a major South Korean technology and electronics company. It produces smartphones, televisions, home appliances, displays, memory chips, and other electronic products. Its Galaxy series is one of its most widely recognized product lines worldwide. Samsung is also a major

global manufacturer of semiconductors and display technologies. The CEO of Samsung Electronics is Jong-Hee



**Bharathi
III B.Sc(CS)**

TECH PUZZLES



➡ Across

- 3. A step-by-step procedure used to solve a problem.
- 6. The process of finding and fixing errors in a program.
- 9. A set of instructions written to perform a specific task.
- 11. A collection of related data stored electronically.
- 14. An operating system commonly used on servers and computers.
- 15. A named storage location used to hold a value in a program.
- 17. Programs and applications that run on a computer.
- 19. A system that connects computers and devices to share information.
- 20. A program that translates high-level source code into machine code.

↓ Down

1. The process of creating instructions for a computer.
2. A popular programming language widely used for web development.
4. A high-level programming language known for its simple syntax.
5. A device that connects multiple computers in a network.
7. Computing services provided over the internet.
8. A mistake or error in a computer program.
10. A computer that provides services or resources to other computers.
12. Instructions written in a programming language.
13. A reusable block of code designed to perform a particular task.
16. A worldwide network connecting millions of computers.
18. A set of rules that allows software applications to communicate with each other.

→ Across

3. Algorithm
6. Debugging
9. Program
11. Database
14. Linux
15. Variable
17. Software
19. Network
20. Compiler

↓ Down

1. Programming
2. JavaScript
4. Python
5. Router
7. Cloud Computing
8. Bug
10. Server
12. Code
13. Function
16. Internet
18. API

M.Sakthi Suresh
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SUDOKU

TECH SUDOKU CHALLENGE
THINK • SOLVE • CODE • CONQUER

Logic Skills Focus Success

Good Brains Build Great Futures!

EAT
CODE
SOLVE
REPEAT

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
4			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9

Solve Today Stronger Tomorrow!

You Can Do It!

LOGIC
PATIENCE
PRACTICE
PROGRESS

SAME RULES. BIGGER MINDS!

Answer for sudoku:

TECH SUDOKU CHALLENGE
THINK • SOLVE • CODE • CONQUER

SOLUTION

Good Brains Build Great Futures!

EAT
CODE
SOLVE
REPEAT

5	3	4	6	7	8	9	1	2
6	7	2	1	9	5	3	4	8
1	9	8	3	4	2	5	6	7
8	5	9	7	6	1	4	2	3
4	2	6	8	5	3	7	9	1
7	1	3	9	2	4	8	5	6
9	6	1	5	3	7	2	8	4
2	8	7	4	1	9	6	3	5
3	4	5	2	8	6	1	7	9

Solve Today Stronger Tomorrow!

You Can Do It!

LOGIC
PATIENCE
PRACTICE
PROGRESS

SAME RULES. BIGGER MINDS!

TECHY GAME

 CPU

 RAM

 INPUT

 OUTPUT

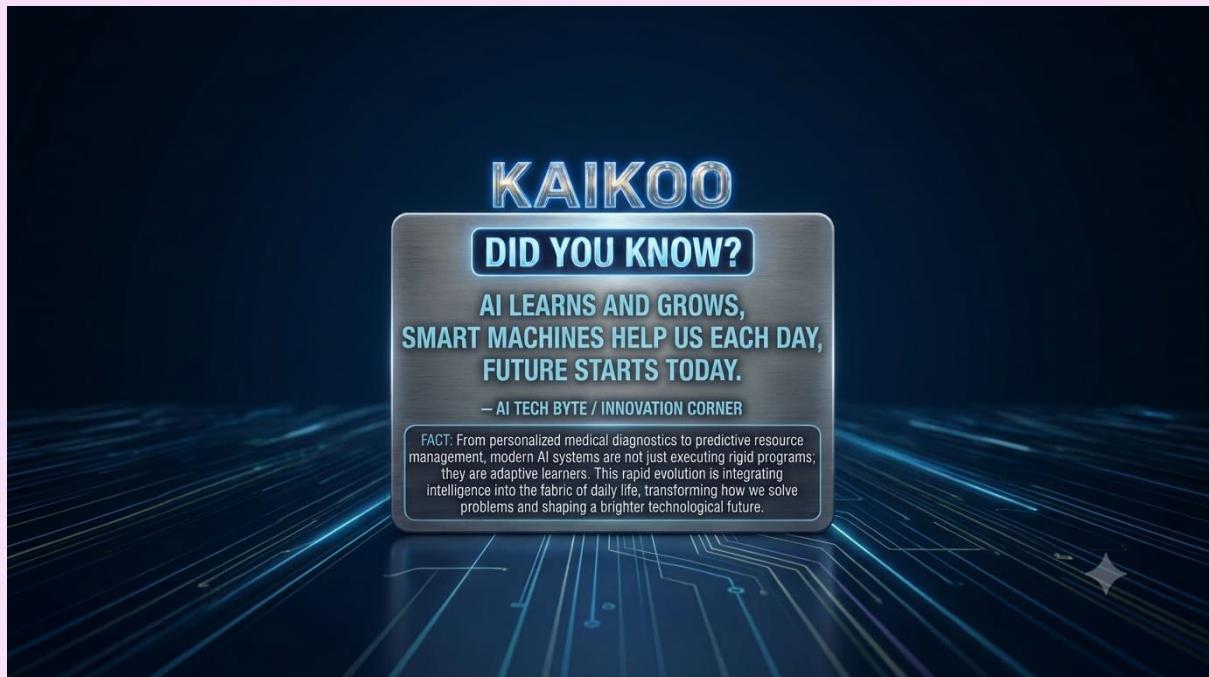
Fill the empty boxes so that each term appears only once in every row, column, and 2×2 box.

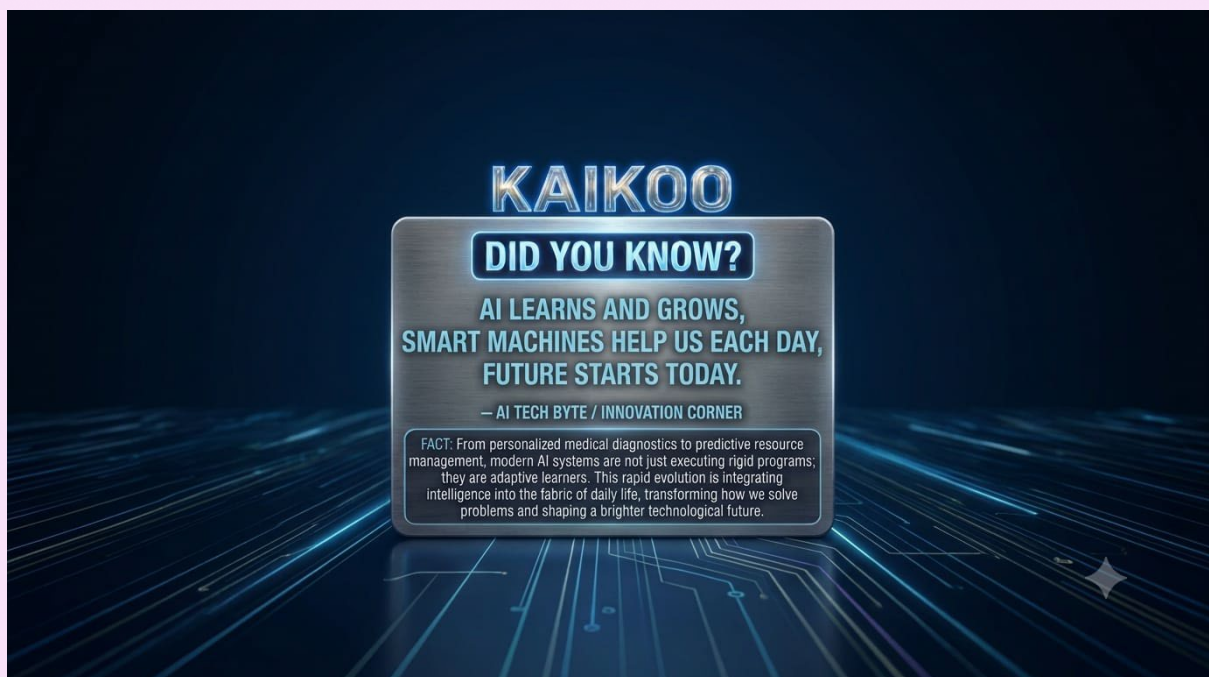
CPU		INPUT	
	OUTPUT		RAM
RAM		OUTPUT	
	INPUT		CPU

 Answer

CPU	RAM	INPUT	OUTPUT
INPUT	OUTPUT	CPU	RAM
RAM	CPU	OUTPUT	INPUT
OUTPUT	INPUT	RAM	CPU

KAIKOO





**Balamurugan B
III BSC (CS)**



⚡ AI CHALLENGE — 4 LOGIC PUZZLES



Puzzle 1 — The Missing Number

2, 6, 12, 20, 30, ?

A) 36

B) 40

C) 42

D) 44



Puzzle 2 — The Switches

There are 3 switches outside a room and 1 bulb inside. You can enter the room only once.

How can you determine which switch controls the bulb?



Puzzle 3 — The Race

You are running in a race. You overtake the person in 2nd place.

What position are you in now?

A) 1st

B) 2nd

C) 3rd

D) 4th



Puzzle 4 — The Three Boxes

There are three boxes labeled:



Apples



Oranges



Apples & Oranges

Every label is wrong. You may pick one fruit from one box.

Which box should you pick from first to correctly label all three boxes?

**Balamurugan B
III BSC (CS)**

Technical Quiz

1. Which programming language is known as the “mother of many modern programming languages”?

A) Python B) C C) Java D) HTML

2. Which data structure follows the LIFO principle?

A) Queue B) Array C) Stack D) Linked List

3. What does CPU stand for?

A) Central Processing Unit B) Computer Processing Utility C) Central Program Unit
D) Control Processing Unit

4. Which language is primarily used to structure web pages?

A) CSS B) HTML C) Python D) SQL

5. Which algorithm is commonly used to find the shortest path in a weighted graph?

A) Bubble Sort B) Dijkstra’s Algorithm C) Binary Search D) Merge Sort

6. Which technology is mainly used for styling web pages?

A) HTML B) CSS C) SQL D) C++

7. What does SQL stand for?

A) Structured Query Language B) Simple Question Language C) System Query Logic
D) Structured Question List

8. Which of the following is an operating system?

A) MySQL B) Linux C) Python D) Oracle

9. Which data structure uses FIFO (First In, First Out)?

A) Stack B) Queue C) Tree D) Graph

10. What is Git mainly used for?

A) Database management B) Version control C) Web designing

11. Which programming language is widely used in Artificial Intelligence and Data Science?

A) Python B) HTML C) CSS D) XML

12. What does AI stand for?

A) Automated Internet B) Artificial Intelligence C) Advanced Information D) Artificial Internet

13. Which protocol is commonly used to access web pages securely?

A) HTTP B) FTP C) HTTPS D) SMTP

14. Which technology allows applications to run in virtualized environments using containers?

A) Docker B) Photoshop C) Excel D) BIOS

15. What is the main purpose of a compiler?

A) Store data B) Translate source code into machine/executable code C) Connect to the Internet D) Design databases

ML Sanku Suresh

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Quick Answer Key

1-B | 2-C | 3-A | 4-B | 5-B | 6-B | 7-A | 8-B | 9-B | 10-B | 11-A | 12-B | 13-C | 14-A | 15-B



1. AI Smart Ring

An AI Smart Ring is a compact wearable device that monitors health and fitness activities. It can track heart rate, sleep, activity, and other health-related data. AI analyzes the collected information to provide useful personal insights.

2. AI Translation Earbuds

AI Translation Earbuds can translate spoken languages in real time while you are communicating with others. They also provide noise cancellation for clearer conversations. These earbuds are useful for travel, meetings, and multilingual communication.

3. AI Voice Recorder

An AI Voice Recorder records conversations, lectures, and meetings with high-quality audio. AI can automatically transcribe the recording into text and summarize the important points. This helps users save time and organize information easily.

4. AI Companion Robot

An AI Companion Robot is designed to interact with people through voice and intelligent conversations. It can answer questions, provide reminders, and offer entertainment or companionship. Some models can recognize conversational context and respond naturally.

5. AI Smart Pendant

An AI Smart Pendant is a wearable device that can provide voice assistance and personalized features. It may record information, respond to voice commands, and remember useful details. Its small design allows users to carry AI assistance conveniently.

6. AI Robot Vacuum

An AI Robot Vacuum uses sensors and intelligent mapping to understand the layout of a room. It can automatically plan cleaning routes and avoid obstacles while cleaning floors. Some models can also identify different areas and adjust cleaning accordingly.

7. AI Smart Home Hub

An AI Smart Home Hub acts as a central control system for connected home devices. Users can control lights, security systems, temperature, and other smart appliances using voice commands or an app. AI can help automate everyday household activities.

8. AI Auto-Tracking Camera

An AI Auto-Tracking Camera can automatically detect and follow a person or moving subject. It is useful for video calls, online classes, presentations, and content creation. AI tracking keeps the subject within the camera frame without requiring manual adjustment.

9. AI Smart Projector

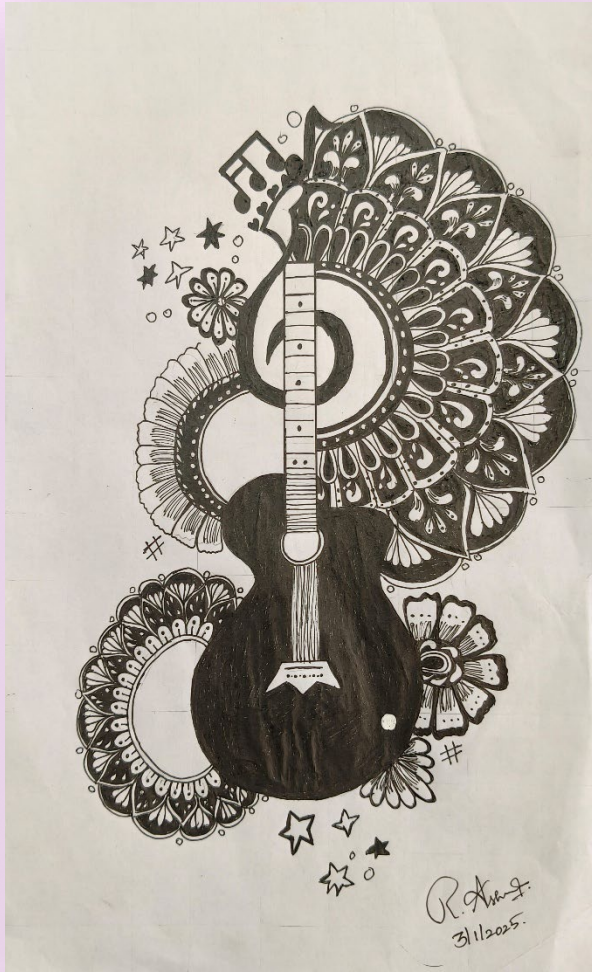
An AI Smart Projector combines projection technology with intelligent features such as automatic focus and image adjustment. It can provide access to streaming applications and other smart functions. This makes it useful for entertainment, presentations, and home viewing.

10. AI Meeting Smart Band

An AI Meeting Smart Band is a wearable device designed to assist during meetings and conversations. It can record, transcribe, and summarize important information from discussions. It can also provide notifications and reminders directly on the user's wrist.

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DIGITAL ART





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ABL.G
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TECH QUOTES

செயற்கை நுண்ணறிவு

அறிவின் எல்லை கடந்தெழுந்து,
அற்புதங்கள் பல படைக்கிறது;
மனித சிந்தனை தோழனாகி,
மக்கள் வாழ்வை வளப்படுத்துகிறது.

கேள்வி கேட்டால் பதில் தரும்,
கணநேரத்தில் வழி காட்டும்;
கற்றல், மருத்துவம், விண்வெளியிலும்,
காலத்தின் மாற்றம் உருவாக்கும்.

உழைப்பை எளிதாக்கி இன்று,
உலகை ஒன்றாய் இணைக்கிறது;
புதிய கண்டுபிடிப்பின் பாதையில்,
பொன்னான நாளை செதுக்குகிறது.

அறிவோடு அதை பயன்படுத்தினால்,
அனைவருக்கும் நன்மை சேர்க்கும்;
அன்பும் ஒழுக்கமும் துணையிருந்தால்,
அதன் ஆற்றல் உயர்ந்து விளங்கும்.

மனிதன் படைத்த மாபெரும் சக்தி,
மனிதனை மீற அல்ல வந்தது;
மனித குலத்தின் முன்னேற்றத்திற்கு,
மகத்தான நண்பனாய் நிற்க வந்தது.

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“கணினி அறிவியல் – எதிர்காலத்தின் திறவுகோல்”

மண்ணில் பிறந்த மனிதன், விண்ணைத் தொட்டான் அறிவால்.
அறிவின் அந்த அற்புதப் பயணத்தில், ஒளிவிளக்காய் நின்றது
கணினி அறிவியல்!

வெற்றி என்பது அதிகாரத்தால் அல்ல; விடாமுயற்சியின் விளைவு.
கணினி அறிவியல் என்பது பாடம் அல்ல; நாளைய உலகை
உருவாக்கும் பொறுப்பு.

பூஜ்ஜியமும் ஒன்றும் பேசும் மந்திரம் முதல் , புதிய சிந்தனைகள்
பிறக்கும் அறிவின் தந்திரம் வரை—

குறியீட்டில் தொடங்கும் சிறு பயணம், உலகையே மாற்றும்
பெரும் பயணமாகிறது.

‘கனவு காணத் துணிந்தவனே சாதனையாளன்;

கணினி அறிவியல் கற்றவனே எதிர்காலத்தின் தலைவன்!’”

"கிளிக் செய்யும் விரல்கள்... வரலாறு படைக்கும் தலைமுறைகள்!"

கல்லில் எழுதிய காலம் கடந்தது,
காகிதம் பேசிய யுகமும் மாறியது.
இன்று உலகின் இதயத் துடிப்பாய்,
கணினி அறிவியல் பிறந்தது!
கணினி அறிவியல் வெற்றியின் வாசல்

விடியலை வரவேற்கும் சூரியனைப் போல,
விஞ்ஞான உலகை ஒளிரச் செய்கிறது கணினி அறிவியல்

ABLG
III B.Sc(CS)

Insights from the Pioneers of Computing

On Simplicity

"Simplicity is prerequisite for reliability." — Edsger W. Dijkstra

On the Reality of Coding

"First, solve the problem. Then, write the code." — John Johnson

On Debugging

"If debugging is the process of removing software bugs, then programming must be the process of putting them in." - Edsger W. Dijkstra

On Innovation

"The best way to predict the future is to invent it." — Alan Kay

On Perseverance

"It's not a bug. It's an undocumented feature." — Anonymous

Computer Science Haiku

Artificial Intelligence – AI

1. AI learns from data,
Turning ideas into answers.

2. Smart machines learn,
New possibilities grow.

3. AI brings intelligence,
To the digital world.

4. Ask a question,
AI finds an answer.

5. Human minds and AI,
Creating a smarter future.

TECH TRENDS & FUTURE INNOVATIONS

Current AI Software: Major Models and Their Key Features

2026 has marked a turning point in artificial intelligence. AI is moving away from systems that simply answer a question, and toward agentic AI: software that understands a goal, plans the steps needed to reach it, calls on external tools, and carries out multi-step work with little supervision. Below is a summary of the leading AI models on the market today and what sets each one apart.



OpenAI -- GPT-5.6

OpenAI's GPT-5.6 family reached general availability on July 9, 2026, and comes in three tiers: Sol, the flagship “workhorse” model built for complex reasoning, coding, and long-horizon agentic workflows; Terra, a balanced mid-tier option; and Luna, the fastest and most cost-efficient of the three. OpenAI positions Sol as its strongest coding and cybersecurity model yet, capable of supporting defensive security work such as threat modeling, vulnerability triage, and patch validation, alongside gains in scientific-research tasks. A new “ultra” setting can coordinate multiple agents working in parallel on the same task, and the whole family is markedly more token-efficient than its predecessor, GPT-5.5.



Google -- Gemini 3.6 Flash

Google released Gemini 3.6 Flash on July 21, 2026, alongside two companion models: Gemini 3.5 Flash-Lite, built for high-volume, low-latency work such as agentic search and document processing, and Gemini 3.5 Flash Cyber, a cybersecurity-focused variant limited to governments and trusted partners. Gemini 3.6 Flash is now Google's default everyday model, offering a 1-million-token context window, multimodal input (text, images, video, audio, and PDFs), and roughly 17% lower output-token usage than its predecessor, while improving on coding, long-context, and computer-use benchmarks.

It is built as a fast, affordable workhorse for the agentic era, with particular strength in code generation and spatial reasoning.



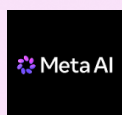
Anthropic -- Claude Sonnet 5

Anthropic announced Claude Sonnet 5 on June 30, 2026, describing it as the most agentic Sonnet model to date. It can independently plan multi-step tasks, operate tools such as browsers and terminals, and complete complex work end-to-end at a level that previously required larger, pricier models, while performing close to Anthropic's flagship Opus 4.8 at a fraction of the cost. Sonnet 5 is available across Claude's consumer plans, Claude Code (Anthropic's dedicated coding-agent tool), the Claude developer platform, and Amazon Bedrock. That same week, Anthropic also introduced Claude Science, a purpose-built research workbench rather than a new model, which brings literature search, code execution, lab databases, and reproducible figure generation into one environment for scientists and pharmaceutical researchers, echoing the role Claude Code plays for software engineers.



SpaceXAI (formerly xAI) -- Grok 4.5

xAI released Grok 4.5 on July 8, 2026, its first model built specifically around coding and agentic work, trained in part on real developer session data following xAI's acquisition of the coding tool Cursor. Elon Musk described it as performing at an “Opus-class” level while being faster and more token-efficient than comparable models. Grok 4.5 is available through the Grok app, inside Cursor, and via API. Notably, around the same time, xAI itself was renamed SpaceXAI after formally merging into SpaceX, so the most recent Grok releases and documentation now appear under the SpaceXAI name.



Meta — Muse Spark 1.1

Meta's Muse Spark 1.1, released July 9, 2026 by Meta Superintelligence Labs, marked the company's shift from open-weight Llama models toward a proprietary, closed-weight system built for agentic use.

It supports a 1-million-token context window, can coordinate multiple sub-agents on a single task, and handles multimodal input, including text, images, video, audio, and PDFs, with particular strength in tool use,

computer use, and coding. Muse Spark 1.1 now powers “Thinking” mode in the Meta AI app and is intended to eventually replace Llama across Meta's products, including WhatsApp, Instagram, and its AI-enabled smart glasses. Meta has continued iterating quickly since: a Muse Spark 1.2 update and a companion coding agent, Muse Code, followed in early August 2026.



Moonshot AI — Kimi K3

Chinese AI lab Moonshot AI released Kimi K3 in July 2026 as an open-weight, roughly 2.8-trillion-parameter Mixture-of-Experts model. Its defining features are native visual understanding, always-on reasoning, and a 1-million-token context window, which together make it well suited to long-horizon coding, navigating large codebases, and deep research or document-analysis tasks. Because its weights are freely downloadable, organizations and governments can run and fine-tune Kimi K3 on their own infrastructure rather than depending on a foreign cloud provider, a feature that has made it notable in discussions of “sovereign AI.”

The bigger picture

Across every major lab, the same pattern repeats: bigger context windows, native tool and computer use, multiple agents working in parallel, and a growing focus on coding, cybersecurity, and scientific research as proving grounds for agentic AI. The industry's race is no longer just about who has the best chatbot, but about who has AI that can actually plan and finish useful work with minimal hand-holding, with AI paired with robotics widely seen as the next frontier beyond this.

Suvin Prakash R
I MSC(CS)

BEST AI TOOLS FOR BUSY PROFESSIONAL

Best AI Tools for Busy Professionals

	ChatGPT & Gemini	AI for Fast AI for Fast Knowledge and Practice
	Jasper AI	AI Tool for Marketing and Copywriting
	Midjourney & Canva AI	AI Tools for Creative Upskilling
	Notion AI	AI Tool for Productivity and Knowledge Management
	Power BI with AI Insights	Data Upskilling Tool
	Duolingo Max	AI Tool for Language Learning
	Coursera & LinkedIn Learning	AI Personalization
	Otter.ai & Fireflies.ai	AI Tools for Meetings
	Synthesia	AI Tool for Presentation and Training

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AI in Teaching



AI Teaching Tools

Smarter Tools for a Brighter Future

Empowering Teachers | Engaging Students | Enriching Education





ChatGPT

Helps teachers create lesson plans, notes, quizzes, assignments and explanations. Can explain topics at different learning levels.

Example: Create a quiz on Operating Systems.



Google Gemini

Helps generate educational content and explanations. Useful for research, brainstorming and creating questions and classroom activities.

Example: Get ideas for a science project.



Microsoft Copilot

Assists with content creation, summarization and presentations. Integrates with Microsoft tools to help prepare classroom materials.

Example: Create a lesson presentation in PowerPoint.



Khan Academy Khanmigo

An AI-powered learning assistant. Provides guided tutoring and step-by-step explanations. Helps teachers with lesson planning and classroom resources.

Example: Get step-by-step explanations for math problems.



Quizizz

Quizizz AI

Helps create quizzes and assessments using AI. Generates questions from a topic or material. Makes assessment interactive and engaging.

Example: Create a quiz on data science concepts.



Canva AI

Helps create presentations, educational posters, worksheets and visual learning materials. AI features can assist in generating content and designs.

Example: Design an attractive poster for a classroom topic.



Grammarly

Uses AI to improve grammar, spelling, clarity and writing style. Useful for teachers preparing content and students improving assignments.

Example: Check and improve a lesson plan before sharing.



MagicSchool AI

Designed specifically for teachers. Helps generate lesson plans, rubrics, quizzes, worksheets and classroom activities.

Example: Create a rubric for a student project.



Diffit

Helps create level-appropriate learning materials. Can adapt a topic or text for different student abilities. Useful for differentiated learning.

Example: Simplify a complex article for younger students.



Socratic

Helps students understand academic questions using explanations and learning resources. Supports subjects like mathematics, science, literature and social studies.

Example: Get step-by-step solution for a math question.

Benefits of AI Teaching Tools



Personalized Learning

Content can be adapted to individual student needs.



Time Saving

Automates lesson plans, quizzes and other routine tasks.



Interactive Learning

Makes lessons more engaging through quizzes and activities.



Instant Feedback

Students can receive quick feedback on their work.



Accessibility

Helps provide explanations in different formats and difficulty levels.



Teacher Support

Assists teachers in preparing educational materials.

"AI is not a replacement for teachers, but a powerful support tool."



Better Teachers
Brighter Students
A Smarter World

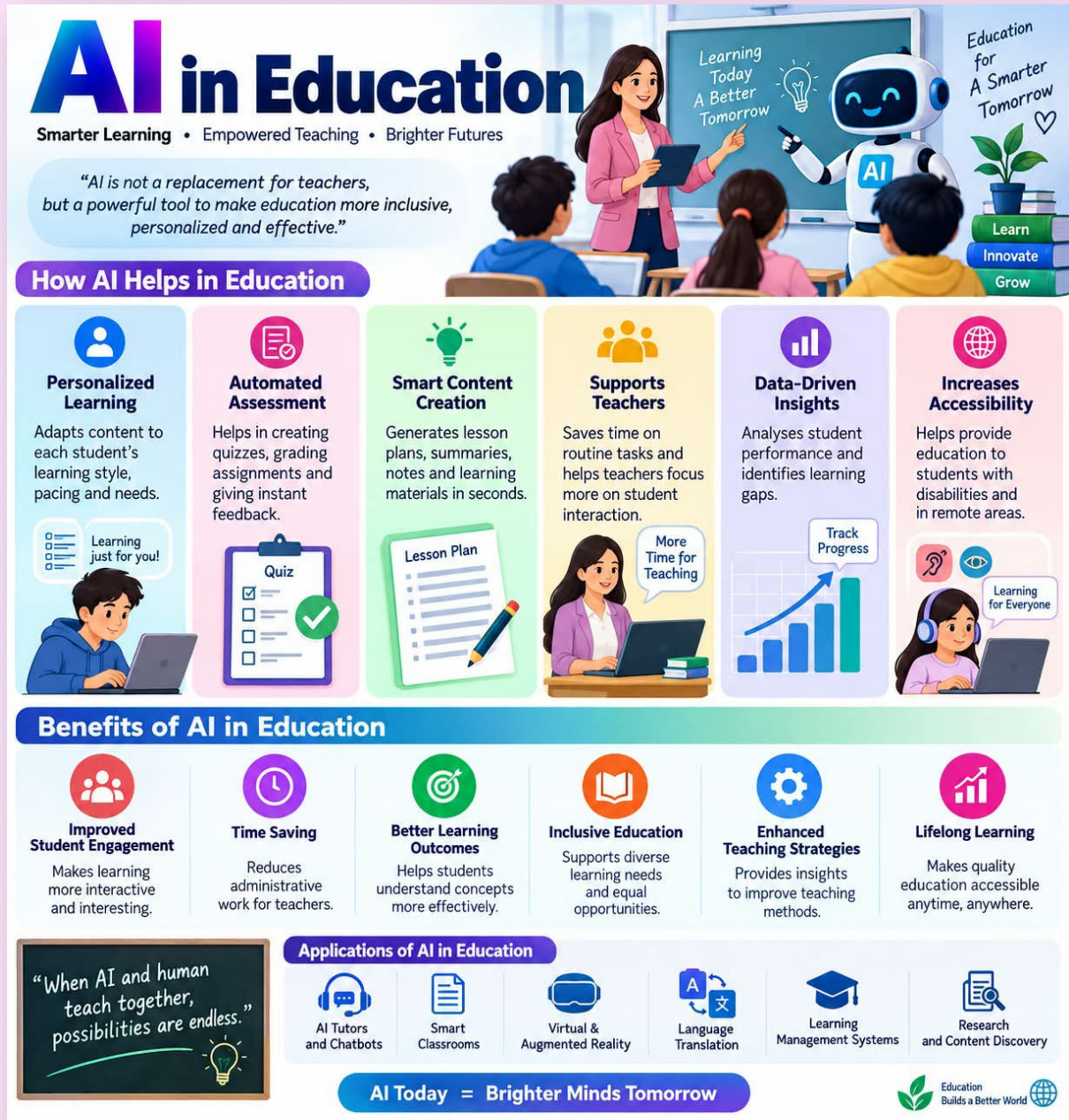
Education for a brighter tomorrow

Learn | Teach | Innovate | Together

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AI in EDUCATION



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Free AI Tools for Researcher



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Pacific Journal of
Modern Theories and Research
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EXPLORE | LEARN | RESEARCH | INNOVATE

FREE AI TOOLS FOR RESEARCHERS

Work Smarter | Save Time | Do Better Research



AI Today
A Brighter
Research
Tomorrow

Ideas
+ AI
+ You
= Greater
Impact!

1 LITERATURE SEARCH & DISCOVERY

Find relevant papers, explore research trends and get AI-powered recommendations.

- Semantic Scholar**
AI-powered search for scientific literature
- Connected Papers**
Visualize research networks
- Elicit**
Find papers, extract key insights
- Consensus**
Get AI-based answers from research papers

2 READING & SUMMARIZING

Understand research papers faster with AI summarization.

- ChatPDF**
Upload a paper and get instant summaries
- Scholarcy**
Summarize and extract key information
- Humata**
Ask questions to your PDFs
- SciSpace**
Explain complex research in simple language

3 WRITING & EDITING

Improve clarity, grammar, structure and academic writing.

- ChatGPT**
Generate ideas, outlines and improve your writing
- Grammarly**
Check grammar, clarity and tone
- QuillBot**
Paraphrase and refine text
- Hemingway Editor**
Improve readability and writing style

4 DATA ANALYSIS & VISUALIZATION

Analyze, visualize and interpret your data with ease.

- Google Colab**
Run Python code for data analysis (free)
- Julius AI**
Analyze and visualize data with natural language
- Data Wrangler**
Clean and transform data easily
- RAWGraphs**
Create beautiful, open source data visualizations

5 REFERENCE MANAGEMENT

Organize, manage and cite your references efficiently.

- Zotero**
Collect, organize and cite research sources
- Mendeley**
Manage papers and generate citations
- Citation Gecko**
Create citations in multiple styles
- Scite**
Check how papers are cited and get citation context

6 PRESENTATIONS & VISUAL STORIES

Create professional presentations, figures and infographics.

- Canva**
Design posters, presentations and infographics (free plan)
- Napkin AI**
Turn text into visual diagrams
- Tome**
Create AI-powered presentations
- Beautiful.ai**
Design smart slides quickly

7 ACADEMIC PRODUCTIVITY

Stay organized and productive throughout your research journey.

- Notion AI**
Take notes, organize ideas and manage projects
- Trello**
Plan and track your research tasks
- Otter AI**
Transcribe and summarize meetings and interviews
- Perplexity AI**
Get quick, reliable answers with sources

"The right tools don't replace researchers, they empower brighter discoveries."

EXPLORE
ANALYZE
WRITE
VISUALIZE
ORGANIZE
PUBLISH
MAKE AN IMPACT

Good Tools
Greater Research

Same Curiosity
Bigger Possibilities

Research
Create
Innovate
Repeat



KEY TAKEAWAY

- ✓ Save Time
- ✓ Improve Quality
- ✓ Stay Organized
- ✓ Focus on What Matters – Your Research!

AI tools are powerful assistants, but your critical thinking, ethics and creativity make the real difference.
Use AI Wisely. Research Responsibly.

M.Sakthi Suresh
III B.Sc(CS)

Department Activities & Achievements

Department Activities from June 2026 to August 2026

Induction Programme for First-Year B.Sc. Computer Science Students (06–08 July 2026)

The Department of Computer Science conducted a three-day Induction Programme for newly admitted First-Year B.Sc. Computer Science students from 06th to 08th July 2026. The programme introduced students to the department, curriculum, mentoring system, institutional values, examination pattern, academic structure, communication skills, placement opportunities, and industry expectations. Sessions were also conducted on ULLAS, DBJC Club Activities, ERP facilities, student support services, infrastructure, and ICT services. Alumni interactions provided valuable insights into career opportunities and professional growth, while the programme encouraged students to actively participate in academic, co-curricular, and extracurricular activities and utilize the various facilities and support services available in the institution.

Board of Studies Meeting (16 July 2026)

The Department of Computer Science conducted the Board of Studies Meeting on 16th July 2026. The meeting was attended by the Principal, Professor In-charge, Controller of Examinations (COE), Heads of Departments, University Nominee, Subject Experts, Industry Expert-cum-Alumni, and Faculty Members. The meeting focused on reviewing and enhancing the curriculum to ensure that it remains outcome-based, industry-relevant, and effective in improving students' knowledge, employability, and academic excellence.

First-Year PG Inauguration Programme (16 July 2026)

The Department of Computer Science conducted the First-Year PG Inauguration Programme on 16th July 2026 to welcome the newly admitted M.Sc. Computer Science students. Mr. Vikram Vijayakumar, Deputy General Manager and Technical Architect, TVS Supply Chain Solutions, Chennai, participated as the resource person.

The programme introduced students to the department, academic expectations, institutional support, and future career opportunities, encouraging them to develop research aptitude, professional competencies, and confidence in their postgraduate journey.

AI Skill Development Course (16 July 2026)

The Department of Computer Science organized an AI Skill Development Course on 16th July 2026 in association with Infosys Magic Bus. The programme introduced students to Artificial Intelligence concepts and helped enhance their technical knowledge, analytical thinking, problem-solving abilities, and employability skills through interactive learning and practical activities.

CARE, CONNECT & SUPPORT – Counselling Session for First-Year Girls (20 July 2026)

The Department of Computer Science organized the **CARE, CONNECT & SUPPORT** counselling session on 20th July 2026 for First-Year UG girl students. The session was conducted by Dr. S. Balaji and the Faculty Members of the Department of Computer Science to provide guidance and support, promote open communication, and encourage students' confidence, academic development, and overall well-being.

Student Advancement & Career Preparation Program (SACP 2026) (22 & 28 July 2026)

The Department organized the Student Advancement & Career Preparation Program (SACP 2026) on 22nd and 28th July 2026. The sessions were conducted by Mr. S. Arun Kumar A., Founder and Chairman of Talent Edge Foundation, focusing on career preparation and the development of essential skills to enhance students' employability and professional growth.

Workshop on “Full Stack Development” (04 August 2026)

The Department of Computer Science organized a workshop on **“Full Stack Development – The Next Digital Revolution”** on **04th August 2026**. Mrs. Anusuja Durai, Zoho School of Learning, served as the Guest Resource Person. The workshop enhanced students' practical and industry-ready skills in full stack development.

Toppers Talk (10 August 2026)

The Department of Computer Science organized a **Toppers Talk for First-Year students on 10th August 2026**. M. Sakthi Suresh, III B.Sc. Computer Science and a Centum Scorer in Mathematics, served as the resource person. The session commenced with a welcome address by Dr. S. Balaji, Head of the Department, who emphasized consistent effort, discipline, time management, and a positive approach towards academics.

DBJC | Cogniverse – AI Student Forum

The Department of Computer Science, DB Jain College, inaugurated **Cogniverse – AI Student Forum** on **21st August 2026**. The event featured **Mr. Arun Kumar R.S., Senior IT Specialist, AI Masraf Bank, Dubai**, as Chief Guest, along with felicitation, badge distribution, and an interactive AI activity.

Toppers Talk

The Department of Computer Science, DB Jain College, organized **“Journey to Success: Strategies, Discipline & Beyond”** on **24th August 2026** at the CS Lab. **Gloria Alias Sindhu K., Class Topper (2023–2026)**, shared study strategies, time-management tips, and guidance on placements and higher studies. The session inspired students to strive for **academic excellence and career success**.

Tech Talk – Student Voices

The Department of Computer Science, DB Jain College, organized **“Tech Talk – Student Voices: Impact of AI in eCommerce”** on **1st September 2026**. The session was presented by Ms. G. Janani (II BSc.CS) and Mr. R. Nithishwar (II BSc.CS), highlighting the applications and impact of AI in E’Commerce.

STUDENT SPOTLIGHT

Deepa Prabha G - II BSc CS 'A'

Deepa Prabha G actively participated in various inter-collegiate events, including Techno Fest-2026, Shreyas-2026 and the Tamil Pasanga Cultural Art Program. She also achieved 3rd place at the National Level in Devxplores-2K26, demonstrating her technical skills, creativity and competitive spirit.

Janani - II BSc CS 'A'

Janani participated in several events such as Connection, Dumb Charades, Paper Presentation, Tamil Pasanga and Ideathon-2025. Her participation at both college and national-level events helped develop her communication, presentation, teamwork, creativity and innovative thinking skills.

Aruna E - II BSc CS 'A'

Aruna E actively participated in cultural, technical and social activities, including Techno Fest-2026, Sapling Plantation, Nama Sangeerthana Vaibhogam and Pictionary. She achieved 1st place in Rangoli and 3rd place in both Devxplores-2K26 and Pictionary, showcasing her creativity, talent and active involvement.

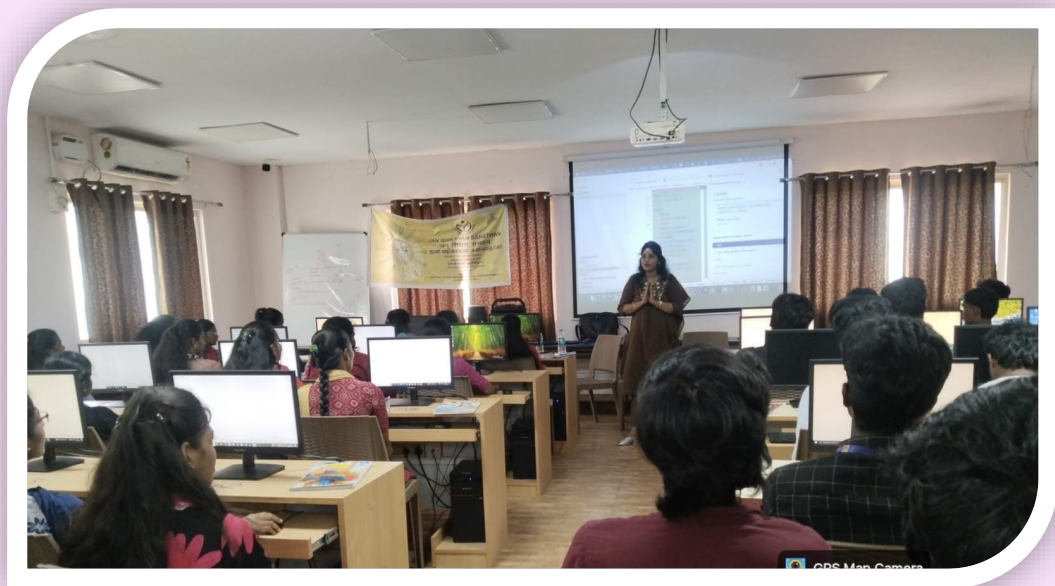
DEPARTMENT ACTIVITIES



First-Year PG Inauguration Programme (16 July 2026)



Parent - Teacher Meeting (31 July 2026)



“Full Stack Development – The Next Digital Revolution” on 04 August 2026.



Toppers Talk for First-Year students on 10 August 2026



Cogniverse – AI Student Forum on 21st August 2026.



Cogniverse – AI Student Forum on 21st August 2026.



“Journey to Success: Strategies, Discipline & Beyond” on 24th August 2026



“Tech Talk – Student Voices: Impact of AI in eCommerce” on 1st September 2026.



“Tech Talk – Student Voices: Impact of AI in eCommerce” on 1st September 2026.

DEPARTMENT OF COMPUTER SCIENCE

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FOR BEING PART OF
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inspire us to create, explore and innovate
a brighter tomorrow.



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Creatively.



LEARN
Continuously.



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PEOPLE
IDEAS
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A BETTER
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for a Smarter
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