

VOLUME 05
SPECIAL
EDITION



SRI RAMAKRISHNA
COLLEGE OF ARTS & SCIENCE (Autonomous)
(FORMERLY SNR SONS COLLEGE)
Avinashi Road, Nava India, Coimbatore - 641 006.

PROGRAMMING
CLUB
CODE TO INNOVATE

TECH

NEWS

CULTURE

INSPIRATION

EVENTS

PEOPLE

MAGAZINE OF THE YEAR



PROGRAMMING CLUB OF SRCAS

ACADEMIC
YEAR 2023 - 24

{ CODE SPEAKS LOUDER THAN WORDS }

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ABOUT THE CLUB

👥 The Programming Club is an initiative aimed at fostering a culture of programming within the Computer Science community, with the motto of “Code to Innovate.” Our primary goal is to encourage students to seek out opportunities to expand their knowledge and showcase their talents. We provide support and resources for coding, algorithmic programming, app development, web designing, and all other aspects of programming. 🚀💡

OBJECTIVES 🎯:

🔗 Teamwork and Leadership: We strive to create a spirit of teamwork and develop leadership skills among our members.

💡 Innovation and Talent: Our aim is to motivate students to think innovatively and unleash their talents in the field of programming.

📖 Knowledge Expansion: We encourage students to explore and pursue opportunities that allow them to expand their knowledge in various programming domains.

🌱 Self-Learning: We promote self-learning among students, empowering them to develop their programming skills independently.

STAFF COORDINATORS



Dr.N.Sumathi
Head of Department
Department of Information Technology



Dr.M.Praneesh
Associate Professor
Department of Computer Science



Dr.S.Manoj
Associate Professor
Department of CS with CS

Club Activities 🎉

📖 **Regular Lectures:** We conduct lectures on topics such as web development, app development, and other programming paradigms. These lectures help students sharpen their programming abilities and stay updated with the latest industry trends.

💻 **Project Assistance:** Our coordinators provide guidance and assistance to students in their innovative projects. We support them in implementing their ideas and participating in various technical events.

🏆 **Monthly Contests:** To encourage participation and foster healthy competition, we organize monthly contests, including code development, quizzes, debugging challenges, and paper presentations. Prizes are awarded to the top performers, motivating students to showcase their skills.



OFFICE BEARERS OF 2023-24 ACADEMIC YEAR

MR. J. GOWTHAM III BSC CS&CS SHIFT -1 (CHAIRMAN)
MR. KU. NITHEESH III BCA SHIFT - 2 (VICE CHAIRMAN)

MR. J. TINO BRITTY II BSC CS SHIFT - 1 (SECRETARY)
MR. J. JOHN SAMUEL II BSC IT SHIFT - 2 (JOINT SECRETARY)

As we reflect on our journey of innovation and collaboration, I, as the Club Chairman, alongside our esteemed Vice Chairman, Secretary, and Joint Secretary, extend our heartfelt gratitude to all members. Together, we have stood at the helm of this vibrant community, fostering creativity, learning, and camaraderie. With your unwavering support and dedication, we propelled our club to new heights, embracing diversity and the latest technological advancements. Our collective efforts have inspired and shaped the future of technology. Thank you for being part of this incredible journey.

CLUB CULTURE



Byte Battle Quiz Season - 1 was a thrilling and knowledge-packed event that took place over five exhilarating days. With the participation of over 70+ tech-savvy warriors, the event aimed to challenge and celebrate their coding prowess.

The "Solve the Challenge" coding event, hosted by the Programming Club, was a thrilling showcase of coding expertise and problem-solving skills. With over 30+ enthusiastic participants, the event promised a day filled with coding challenges and a quest for excellence.



The Linux Session, featuring the esteemed speaker Mr. S. PRATHAPAN, was an enlightening journey into the world of Linux. With over 60+ attendees, the event promised an immersive exploration of Linux and its various facets.

CLUB CULTURE



The Programming Club of Srcas hosted an enlightening session on cybersecurity on January 08, 2024, at Conference Hall - 2. With over 70 participants in attendance, the session commenced with an introduction highlighting the significance of cybersecurity in our daily lives.

The SRCAS Programming Club hosted an exhilarating web designing event on February 21, 2024, at Lab 5 & 6. Enthusiastic participants gathered to showcase their creativity and skills in crafting captivating web designs. With over 20+ enthusiastic participants.



TECH NEWS

MEET DEVIN AI, THE WORLD'S 'FIRST FULLY AUTONOMOUS' AI SOFTWARE ENGINEER

Official company is Cognition which is behind Devin mastermind. They built Devin, an AI that can write code. Their expertise is AI reasoning, and code is just the start. Cognition is a small team based in New York and California. Cognition secures \$21 million in funding led by Founders Fund! As we already know that New York is one of the biggest city in USA and California is state of Tech companies, one more AI startups come out of it.



A new AI tool called Devin, created by Cognition, can write code, design websites, and develop software with just one command. It's the world's first AI software engineer. Devin isn't meant to replace human engineers but to assist them. It's designed to simplify their work and make tasks easier. The tool has passed engineering interviews at top AI companies.

Cognition posted on X that hottest new programming language is English, You can simply give prompt about developing a website and Devin code your website in no time, Its all about giving correct and meaningful prompt. Do you think programming and developing only giving prompts in future? AI is rapidly growing and we can not see as it is as passing down wave, we must have to ride this AI wave. We need to be aware of all AI software/tools coming out everyday.

Devin isn't working alone — it's meant to team up with human engineers. It provides updates in real-time, accepts feedback, and collaborates on design choices. Instead of replacing humans, Devin enhances their abilities, making teams more efficient.

What can Devin do? Pretty much everything. It learns new technologies, builds and deploys apps from scratch, and troubleshoots code bugs.

It can even train its own AI models and address issues in open-source projects. Devin isn't just talk — it's backed by impressive results. Tested on real challenges, it outperformed previous AI models by resolving nearly 14% of issues, compared to under 2% for its predecessors. That's a big deal in software engineering.



First AI software engineer

But here's the exciting part: Devin isn't confined to lab tests. It's already working on platforms like Upwork, tackling real coding tasks effortlessly, from debugging computer vision models to generating detailed reports.

Devin is a huge advancement in AI technology. By automating routine tasks and allowing engineers to focus on more complex problems, it's driving innovation in software development. Whether you're an experienced engineer or just starting out, Devin is here to make your job easier and more exciting than ever.

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12 FREE CODING GAMES TO LEARN PROGRAMMING FOR BEGINNERS



CODINGAME
CSS DINER
FLEXBOX FROGGY
FLEXBOX DEFENSE
GRID GARDEN
CODECOMBAT

SCRATCH
TYNKER
SQL MURDER MYSTERY
UNTRUSTED
ELEVATOR SAGA
CHECKIO



“THE INSPIRING JOURNEY OF LINUS TORVALDS: FROM OPEN SOURCE DEVELOPER TO GLOBAL TECHNOLOGY ICON”



LINUS TORVALDS

One of the most remarkable stories in the world of open source development is that of Linus Torvalds, the creator of the Linux operating system. Linus Torvalds is widely regarded as one of the most influential and respected personalities in the technology industry.

In 1991, Linus Torvalds, a Finnish computer science student, started working on a personal project to create an operating system kernel as a hobby. He aimed to build a

free and open-source alternative to the Unix operating system, which was dominant at the time but often came with expensive licensing fees.

Torvalds released his initial version of the Linux kernel, called version 0.01, to a small online community of developers. This release marked the birth of the Linux operating system. What began as a personal project quickly gained attention and attracted a growing number of developers who were eager to contribute to the project. As the Linux community grew, so did the development efforts. Torvalds effectively managed the project, acting as the central coordinator and providing overall guidance. His leadership style and open collaboration principles fostered an environment that encouraged developers worldwide to contribute their ideas and expertise.

The Linux operating system gained traction rapidly due to its open-source nature, which allowed anyone to view, modify, and distribute the source code freely. This model attracted not only individual developers but also large corporations, who saw the potential of Linux in various industries. Over time, Linux evolved into a robust and versatile operating system that powers numerous devices and systems worldwide, from smartphones and embedded devices to supercomputers and servers. It has become the foundation for many popular distributions, such as Ubuntu, Fedora, and Debian.

Today, Linus Torvalds continues to oversee the development of the Linux kernel and remains involved in various open-source projects. His story serves as an inspiration to aspiring developers and demonstrates the power of open collaboration and the impact a single individual can have on the technology landscape.

MEMBERS WRITE-UP

CAN AI REPLACE HUMAN INTELLIGENCE ?



"Artificial intelligence is not a substitute for human intelligence; it is a tool to amplify human creativity and ingenuity."

– Fei-Fei Li

INTRODUCTION TO AI

In simple terms, the Intelligence shown by machines is generally referred to as Artificial Intelligence (AI). Or simply, the ability of a device or computer to emulate the processes of the human mind is known as Artificial Intelligence.

Imagine a world where machines can think, learn, and solve complex problems just like humans. That's precisely what AI thinks it can achieve but thinking just like humans is unlikely to be possible in the decades to come. At its core,

Without a doubt, AI can do several chores quicker and better than human beings. But is it capable of replacing humans entirely?...

6 REASONS WHY ARTIFICIAL INTELLIGENCE CANNOT REPLACE HUMAN INTELLIGENCE

Do you fear that artificial intelligence could soon replace you at work? Fear not! Here's why AI can't replace human intelligence in work



AI LACKS EMOTIONAL INTELLIGENCE

Emotional intelligence is one distinguishing factor that makes humans forever relevant in the workplace. The importance of emotional intelligence in the workspace cannot be overemphasized, especially when dealing with clients.

Regardless of how well AI machines are programmed to respond to humans, it is unlikely that humans will ever develop such a strong emotional connection with these machines. Hence, AI cannot replace humans, especially as connecting with others is vital for business growth.

AI CAN ONLY WORK WITH INPUT DATA

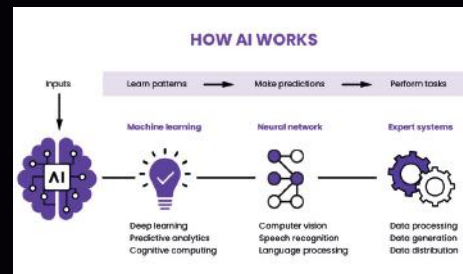
AI can only function based on the data it receives. Anything more than that would take on more than it can handle, and machines are not built that way. So, when the data inputs into the machine do not include a new area of work, or its algorithm does not include unforeseen circumstances, the machine becomes useless

Therefore, if you fear that AI may infiltrate all industries and eliminate the demand for your professional skills, you can rest assured that won't happen. Human reasoning and the human brain's power to analyze, create, improvise, maneuver, and gather information cannot easily be replicated by AI.

AI DOES NOT HAVE SOFT SKILLS

Soft skills are a must-have for every worker in the workspace. They include teamwork, attention to detail, critical and creative thinking, effective communication, and interpersonal skills, to mention but a few. These soft skills are in demand in every industry, and you must develop them to succeed professionally

Humans are taught and required to possess these skills; developing them is valuable for everyone, regardless of position. Company executives need them to thrive, as do a team of field workers in any industry. Hence, these soft skills give you the upper hand over AI in the workspace



HUMANS MAKE AI WORK

There would be no artificial intelligence without human intelligence. The term artificial intelligence means humans design it. Humans write the lines of code with which AI is developed. The data AI machines operate with are inputted by humans. And it is humans that use these machines.



AI IS MEANT TO COMPLEMENT HUMAN ABILITY AND INTELLIGENCE, NOT COMPETE WITH IT

Artificial intelligence applications are indeed gaining ground in the workplace, and they will replace many jobs people perform today. However, the jobs it takes are often limited to repetitive tasks requiring less intense reasoning. Additionally, evolving workplace demands will create new roles for humans as the world moves towards a more integrated tech landscape.

A report by the World Economic Forum shows that while machines with AI will replace about 85 million jobs in 2025, about 97 million jobs will be made available in the same year thanks to AI..

AI CAN'T PERFORM MANUAL LABOR

White-collar jobs such as writer, programmer, accountant, and designer require working with software and are hence more susceptible to being done—at least partly —by AI systems. However, blue-collar jobs such as plumber, electrician, police officer, bricklayer, and construction worker are far from being at risk of obsolescence due to AI as they require



manual labor. After all, you can't ask ChatGPT to build a building. Perhaps in the distant future, AI systems will be able to build homes with automated 3D printers, but for the foreseeable future, blue-collar work seems safe from AI invasion. Because blue-collar work may become more lucrative in the near future.

LEARN TO WORK WITH AI, NOT FEAR IT

VERGINA SHARLEY MS
II BCA SHIFT -1



SRI RAMAKRISHNA
COLLEGE OF ARTS & SCIENCE (Autonomous)
Formerly SNR Sons College



PROGRAMMING CLUB (2021-2024)

THE ART OF TECHNOTALES

DECODE THIS



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E - Book

Edited By:
Programming Club Team