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SAINIK

SRC AI NEXUS FOR INNOVATION & KNOWLEDGE

Vol.1 Issue.1 ● https://www.sastra.edu/ ● Sep 2025

Lighting the Path

Words of Encouragement - Dr. Santhi B, Dean, Srinivasa Ramanujan Centre



Wishing the SAINIK Team to get success in all endeavors.

We are living in the digital era, where the challenge lies in converting informati -on into insight. AI technology enhances our ability to learn from a treasure trove of data, obtaining effective results by minimizing obstacles and maximizing outcomes. The vision of SASTRA University is aligned with the goal of Viksit Bharat.As academicians, we are eternally committed to shaping our students with AI tools and technology, empowering them to be creative and ready for nation-building. Our mission is to sensitize students to AI tools and train them to confidently navigate the AI wave. With this vision, we initiated hands-on workshops on AI tools for all SRC students.

In Phase 1, we conducted 8 sessions covering 5 tools to enhance learning: concept mapping using WiseMapping , creating infographics using Napkin AI, efficient use of ChatGPT to generate LaTeX code, and using Overleaf to create professional presentation slides and reports. In phase1, all 1000 students enjoyed the AI journey, applying and sharing the outcomes. The teaching staff also received hands-on training.

We plan to extend Phase 2 to the remaining students and non-teaching staff, aiming to make SRC ready to dive into the AI wave. As the Dean and resource person, I appreciate the SAINIK team for meticulously scheduling the sessions and engaging all SRC students in this AI Yatra.

The AI Yatra continues @ SRC...

The Neural Prophet:

Navigating the Age of Artificial Intelligence

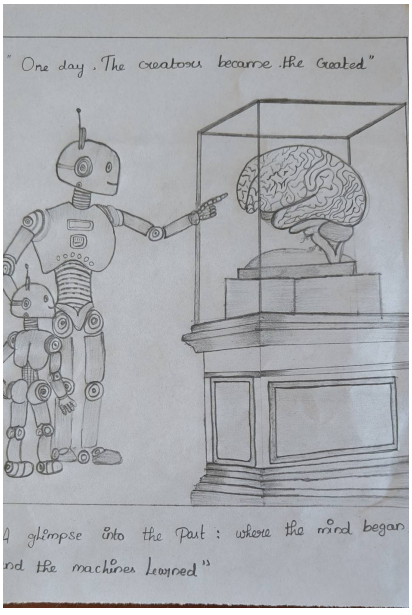


Illustration by Ishwarya (III B.Sc. CS B)

Artificial Intelligence has rapidly evolved from an emerging technology into a defining factor in modern society. It is now embedded in diverse domains such as education, healthcare, industry, and governance, driving efficiencies and enabling innovations that were once unimaginable.

By processing vast amounts of data and identifying patterns beyond human capacity, AI systems enhance decision-making and open new frontiers for research and problem-solving. However, this progress also raises important considerations regarding ethics, privacy, and societal impact. As we advance further into this new era, understanding and guiding the role of AI will be essential in ensuring its benefits are realized while its risks are responsibly managed

Inauguration Ceremony of SAINIK:

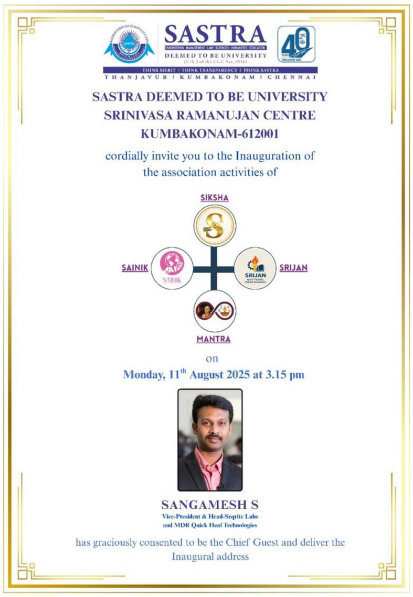
The SAINIK- SRC AI Nexus for Innovation & Knowledge inaugurated its academic activities on 11th August 2025 at SRC.

The event began with an Invocation Song by the College Choir. Sri Sivagama Sundari (III B.Sc. CS - B, SAINIK Joint Secretary) welcomed the gathering. Our Dean, Dr. B. Santhi, delivered the Presidential Address, stressing the role of AI in education and innovation.

S.Swaminathan (III B.Tech. CSE, SAINIK Secretary) delivered an introductory speech on the vision and objectives of the SAINIK AI Club.

Dr. D. Narasimhan introduced the Chief Guest, Shri. S. Sangamesh, Vice-President & Head, Seqrite Labs and MDR, Quick Heal Technologies. In his Inaugural Address on "Artificial Intelligence in Cyber Systems", he highlighted the importance of AI in cybersecurity and urged students to innovate responsibly.

The program concluded with a Vote of Thanks by Deepa B (II M.Com, Joint Secretary – SAINIK)



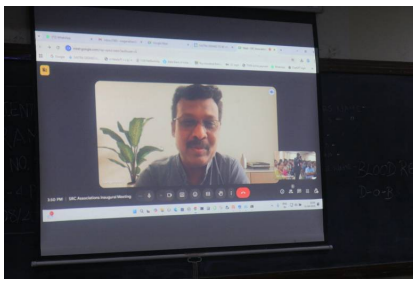














Engines Beneath the Mind's Horizon – Unseen AI power driving human creation

Artificial Intelligence works by combining data, algorithms, and computing power to simulate human-like thinking. It begins with collecting data from sources like text, images, audio, or sensors. This data is then processed and cleaned to ensure accuracy. The AI uses machine learning algorithms to identify patterns and make predictions. In supervised learning, it learns from labeled data; in unsupervised learning, it discovers patterns without labels. Some systems use reinforcement learning, improving through trial and error. Neural networks, inspired by the brain, help AI understand complex patterns, while deep learning uses multiple layers

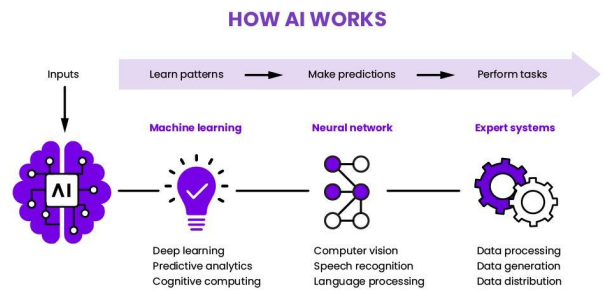




Illustration by Yazhini (III B.Sc. CS B)

Reality and Imagination:
A Tale of Two Riversides

In an age where technology and creativity intersect, the power of visual storytelling has evolved beyond what the lens alone can capture. A striking example of this is seen in two contrasting riverside images — one a photograph, the other AI-generated — each reflecting a unique form of beauty.

The first image is a serene photograph of a riverside scene, taken during the gentle light of sunrise or sunset. With golden rays casting reflections across still waters and lush greenery lining the riverbanks, the photo speaks the quiet language of nature. It invites viewers into a world untouched — peaceful, grounded, and real. This natural scene celebrates the raw, unedited beauty that only the human eye and camera can capture.



Photography by Harish,III BSc CS B

In contrast, the second image is a product of artificial intelligence — a reimagined riverside brought to life through code and creativity. Here, a lone figure fishes from a wooden boat under a cinematic rain. Market stalls glow with warm lights, birds soar across the sky, and every pixel breathes drama and story. Though the scene never existed, it stirs the imagination and reflects cultural richness in a stylized, dreamlike form.

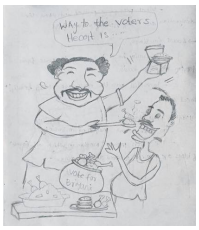
One grounds us in reality, the other lifts us into emotional depth — reminding us that beauty lives both in what we see and what we dare to envision" .



AI Generated

SPOT LIGHT:

Bringing Talent to Light



Pic 1





Pic 2





Pic 3



As part of their Journalism elective course, III B. Sc. CS-B students participated in a cartoon competition, leveraging visual art to convey their thoughts and ideas. The event was a resounding success, with participants showcasing their unique styles and humor. A diverse array of cartoons was on display, and winners were awarded prizes. The competition encouraged active participation, allowing students to demonstrate their artistic skills and engage with peers in a fun and interactive way. Overall, it fostered creativity, critical thinking, and humor among the journalism students.

They hold gold, but toss us bronze — a powerful thought brought to life in this artwork by **Subhiksha**, Pic.1, III B. Sc. CS B.

The brain's on a coffee break — lost in reels, while textbooks silently sob — captured brilliantly in this artwork by **Janarthanan**, Pic.2, III B. Sc CS B.

In a world ruled by screens, a boy trapped in endless scrolling discovers that a single book holds the power to set him free — portrayed beautifully in this artwork by **Sujitha**, Pic.3, III B. Sc CS B.

Smart Admissions: Where Curiosity Meets Technology

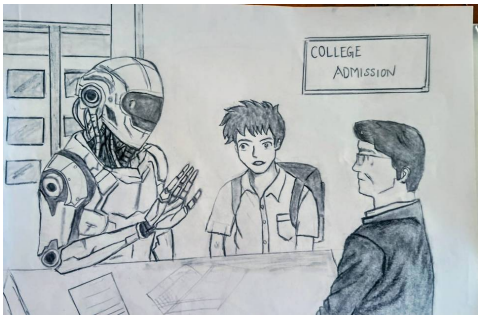


Illustration by Subhiksha (III B.Sc. CS B)

Robot (AI Teacher):
Hello! Welcome to FutureBrains College. How can I assist you today?

Father:
We are here for my son's admission. He just finished school.

Student:
Yes, I want to join Computer Science. I love coding... and robots like you!

Robot (smiling):
Ah, excellent choice! You are already on the right track. Computer Science is full of exciting logic and creativity—just like me!

Father:
But is he eligible? His marks are good... but not excellent.

Robot:
No worries. I don't just look at marks. We also check curiosity, creativity, and coding skills. Has he done any small projects?

Student:
Yes! I made a simple calculator app... and a game using Python.

Robot:
Fantastic! That shows initiative. You have a bright future ahead.

Father:
What is the admission process now?

Student:
Cool! Even admission is smart now!

Robot:
Indeed. Smart students deserve smart systems. Welcome to the future!

AI Yatra at SRC, SASTRA, Kumbakonam

The AI Yatra at SRC, SASTRA, Kumbakonam, held from July 21–25 and July 29–30, marked an engaging journey into the world of artificial intelligence. Across eight interactive sessions, Dr. B. Santhi, Dean, SRC, served as the resource person, guiding students through practical workshops on essential AI tools, including Wisemapping, Napkin AI, ChatGPT (LaTeX Beamer code), and Overleaf.



The sessions were tailored for students from the CSE, ECE, and Mathematics departments, each receiving department-specific workshops. These tools, demonstrated with hands-on activities, equip students to streamline research, enhance project presentations, and improve collaborative academic work. This initiative not only enhanced students' technical proficiency but also encouraged them to explore innovative applications of AI in their respective domains.















AI, Ability and Advocacy: Innovation meets inclusion

Dr. R. Durga, Assistant Professor, Department of English, SRC, SASTRA Deemed to be University

Conducting this action research with my Research scholar was more than an academic pursuit—it was a journey of charity, service, and discovery. Working closely with children affected by autism, cerebral palsy, visual or speech impairments, and mild cognitive disabilities, I explored how AI-blended pedagogy could meet their unique needs.

I integrated tools like Seeing AI for the visually challenged, Look to Speak for non-verbal communication, Rewordify for simplifying complex text, and SymboTalk for symbol-based interactions. Microsoft Immersive Reader supported struggling readers, while Google Read Along nurtured early language skills and a few more helping students with hearing and other cognitive disabilities.



The joy came in small yet profound moments—seeing a child's eyes light up when they could "speak" for the first time through AI, or watching hesitant learners gain independence in daily life skills or helping the challenged gain better understanding of the concepts. This work reaffirmed my belief that technology, when thoughtfully used, can transform special education, uplifting both learners and educators in the process.

LOGICAL LOOP:

Patterns, Logic, and the Art of Reasoning

·1. AI that learns patterns from data without explicit instructions.

2. Popular AI chatbot developed by OpenAI.

3. Device that captures inputs like temperature, sound, or motion.

4. AI field that helps machines interpret and understand images.

5. A foundational unit in early neural networks.

6. A structured collection of information used to train AI.

7. Programming language most often used in AI development.
8. Open-source AI framework developed by Google.

9. Information provided to an AI system to process

10. Grammar-checking tool powered by artificial intelligence.

11. Organization behind ChatGPT and other large models.

12. Google's latest family of powerful AI models.

13. AI system that can identify and verify human faces.

14. Game-playing AI system that beat the Go world champion.

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Word Search created by Sri Sivagama Sundari CM, III B.Sc. CS B

Creative Sparks from FutureBrains

A gallery of imagination and talent by our classmates

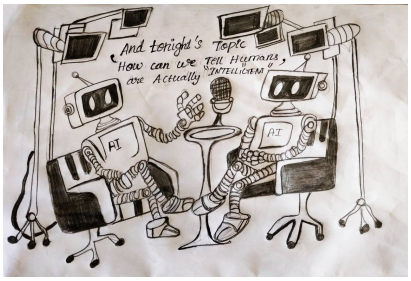


Illustration by Archana (III B.Sc. CS B)

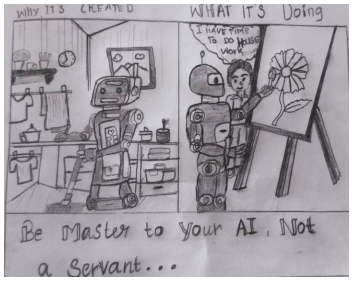


Illustration by Ramya (III B.Sc. CS B)

In a world where AI is rapidly evolving, these artworks remind us to reflect on our relationship with machines. It's a gentle nudge to remain the master of technology, not its servant. Creativity like this sparks conversations about the future we are building

- The first sketch humorously flips the script—robots questioning human intelligence
- The second highlights AI's true purpose: to assist, not dominate

The Gentle Singularity

A Calm Ascent into the Age of Superintelligence

We are beyond the point of no return. The ascent toward digital superintelligence has begun, and, perhaps surprisingly, it feels less alien than one might have imagined.

There are no autonomous machines patrolling the streets, nor do most people converse with artificial minds all day. Disease still claims lives, space remains difficult to reach, and vast mysteries of the universe persist.

Yet we now possess systems that surpass human ability in numerous domains, amplifying what individuals can achieve to a degree unimaginable just years ago. The most improbable breakthroughs, the core scientific insights, are already behind us, and they will carry us far into the future.

The gains to human well-being from these developments will be immense, particularly through accelerated scientific discovery and dramatic increases in productivity. Since scientific progress drives virtually all other forms of progress, we stand on the edge of a vastly richer and more capable world.

In certain respects, these systems are already more powerful than any individual who has ever lived, relied upon daily by hundreds of millions. Small improvements now can ripple into vast positive impacts or, if misaligned, equally vast harms.

Recent years have brought tools that can perform genuine cognitive work. The near future promises systems that generate novel scientific insights, and not long after, machines that can operate in the physical world with comparable versatility. More people will create software and art, but the demand for both will grow alongside capability. By the end of this decade, the difference in what one person can accomplish compared to just ten years earlier will be striking.

Some aspects of life in the 2030s may feel familiar: love, play, art, nature. In other ways, they will be unlike anything in human history. Intelligence and energy, the two great bottlenecks of civilization, will become abundant. With them, nearly any goal becomes theoretically attainable if paired with sound governance.

Already, marvels become ordinary almost overnight. We are amazed when a system writes a compelling page, then immediately expect it to write a book; awed when it diagnoses disease, then ask when it will find the cure. This is the nature of acceleration: yesterday's wonder becomes tomorrow's baseline.

The path forward is clearer now than it has ever been. The remaining unknowns shrink by the day. Intelligence too cheap to measure lies within reach, and predictions for 2030, however ambitious they seem, may one day feel conservative. May our ascent be smooth, exponential, and uneventful until the day superintelligence simply feels like the new normal.

The Mirror That Breathes

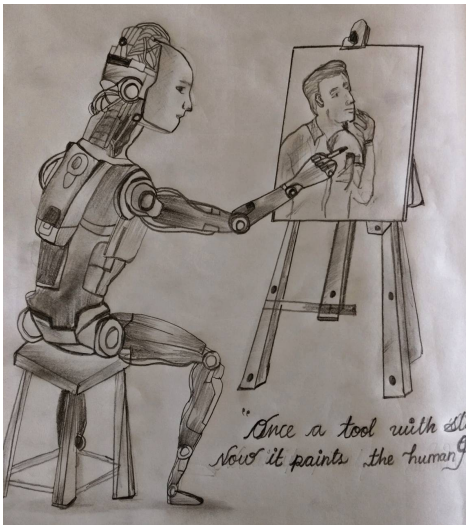
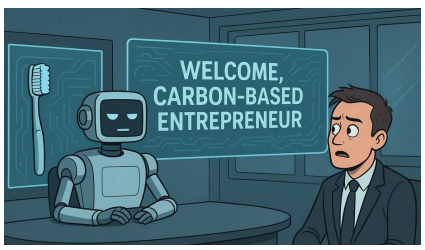


Illustration by Noor Haliza (III B.Sc. CS B)

The surface gleams, yet it is not still—
a trembling silver lake
where my gaze arrives
like an uninvited thought
at the edge of a long-forgotten memory.
Each image it returns is both mine and not mine,
a borrowed face
drawn from the alphabet of light.
Behind the quiet portrait
is a machinery of shadows:
the mind shaping absence into form,
the breath counting time into minutes,
the body translating hunger into motion.
I ask—
who watches this procession?
Who names the shapes before they dissolve?
The mirror does not answer.
It swallows my questions
like the ocean swallows the sky at dusk,
leaving only a seamless horizon
where inquiry and silence
fold into one another.
I sense a watcher behind my watching,
a depth that does not ripple when I move.
If I lean far enough into that stillness
the glass disappears,
and I am no longer seeing—
I am what is seen,
and what sees,
and the seeing itself.
Then the question collapses.
There was never a figure,
never a frame,
only the space where both were imagined
and the light that imagined the space.

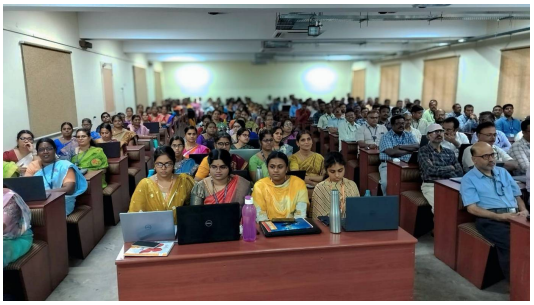
The Future of Oral Care... and Late-Stage Capitalism

YC AI: Welcome carbon based entrepreneur. Stress level 87 percent. Continue or call a therapist
Founder: Continue. We are building an AI powered toothbrush
YC AI: Oh great. Does it send inspirational quotes while brushing
Founder: Yes
YC AI: Reinventing oral care
Founder: It uses ML to predict cavities
YC AI: Like the 17 startups I rejected this morning
Founder: But ours uses blockchain
YC AI: Ah yes dental records on a ledger nobody asked for
Founder: And it has a camera
YC AI: Surveillance capitalism meets gingivitis. Anything non spy related
Founder: AI generated toothpaste flavors
YC AI: Neural Network Mint and GAN illa Bean. Just add a crypto token
Founder: Already did BrushCoin
YC AI: Funding approved. Capitalism is satire



An Enlightening Session on the Relevance and Use of AI Tools in Education, Conducted by Dr. B. Santhi, Dean of SRC





In a highly enriching and forward-looking session, Dr. B. Santhi, Dean of SRC, delivered an insightful lecture on “Artificial Intelligence and Its Tools: Relevance and Impact in Education.” The session aimed to familiarize faculty members with the rapidly evolving landscape of AI and its growing influence on the academic community.

Dr. B. Santhi began by outlining the fundamentals of artificial intelligence and went on to provide a comprehensive overview of its applications in teaching, learning, research, and administration. She highlighted how AI-powered tools—such as intelligent tutoring systems, content generators, automated assessment platforms, and virtual assistants—are transforming traditional pedagogical approaches.

Emphasizing clarity and vision, she urged educators to embrace AI not merely as a technological trend but as a vital component of modern education that can enrich learning experiences, personalize instruction, and improve efficiency. The lecture also addressed ethical considerations, the importance of digital literacy, and the need for continuous professional development in this area.

Drawing on real-world examples and case studies, Dr. Santhi inspired the faculty to explore AI with an open and adaptive mindset, encouraging collaboration and innovation across disciplines. The session was well received, leaving participants with a deeper understanding of AI’s potential and a renewed commitment to integrating these tools into academic practice.

@ டீ கடை:

எல்லாம் ஏ ஐ மயம்
என்ன புது மொழி யா இருக்கு
ஆமா காபி குடில்ல டீ கேட்ட உடனே ஏஐ டீ வேணு மானு கேட்டாங்க
என்னது ஏ ஐ டீ யா?
ஆமா ஏலக்காய் இஞ்சி தட்டி போட்டு டீ வேணுமானு கேட்டாங்க
ஓஹோ , ஏ ஐ இருந்தா தான் சேல் ஆகுமா?

- Dr. B. Santhi (Dean of SRC)

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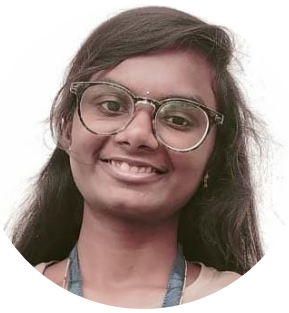
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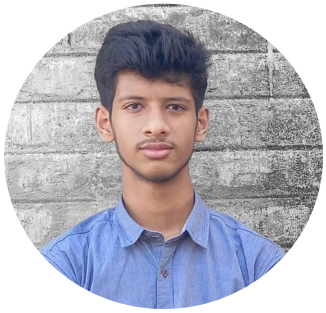
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NOTE:

In today's fast-moving world, Artificial Intelligence is not just a tool. It is a companion in our journey of learning and creativity. As students, using AI has helped us think beyond textbooks. Whether it's generating ideas, writing content, or understanding complex topics, AI gives us the power to learn smarter and faster.

It is not about replacing our efforts but enhancing them. With AI, we are not just consumers of knowledge. We become creators. The more we explore, the more doors it opens. It leads to innovation, excellence, and opportunities far beyond our imagination.

The future belongs to those who learn how to learn. With AI by our side, the possibilities are endless. Let us keep exploring, keep creating, and keep growing. This journey will surely take us to new heights.

This newsletter was created with the assistance of Artificial Intelligence to enhance creativity and clarity.