TECHBIZ'25

ABOUT CSBS

The B.Tech in Computer Science and Business Systems (CSBS) is a forward-thinking, four-year undergraduate program co-created by Tata Consultancy Services (TCS)—India's leading IT services and consulting firm—and select academic institutions. Designed to meet the demands of a rapidly digitizing global economy, this interdisciplinary program seamlessly integrates core computer science disciplines with foundational knowledge in business management, humanities, ethics, and human values.

Going beyond traditional engineering, CSBS builds dual expertise—combining strong technical skills in areas like Machine Learning, Data Analytics, and Software Development with business acumen in Finance, Marketing, and Service Operations—while embedding Design Thinking and ethical reasoning to shape agile, responsible, and solution-driven professionals.

The CSBS department plays a vital role in modern engineering education by bridging the gap between technology and business. Its graduates, equally adept at coding and creating business value, are highly sought after in IT services, management consulting, fintech, and digital innovation—sectors where TCS and other global leaders are shaping the future.

EDITORIAL TEAM

Chief Editor – Dr. Naresh Kumar A
Staff Coordinator - Mrs. Saraswathy S

Kishore Kumar S   Mohammed Alif A   Naresh I   Praveen J Su   Senthil S

VISION

To impart competent industry relevant education, skillful research and innovative computer science professionals with managerial skills, human and social values.

MISSION

- Produce highly proficient Computer science Professionals with managerial knowledge of global standards and practices.
- Ascertain new technologies through ethical and innovative research and developments.
- Impart knowledge through learning, creativity, innovation and inculcate in them critical thinking with moral values.

HIGHLIGHTS

- B.Tech in Computer Science and Business Systems (CSBS)
- 4-year undergraduate course Offered by TCS, leading IT Service and Consulting Company
- Focuses on core computer science topics
- Covers humanities, human values, and business discipline
- Aims to produce industry-ready engineers with management skills
- Emphasizes hands-on exposure to cutting-edge technologies
- Introduces recent trends such as Computational Statistics, Cognitive Science and analytics, Machine Learning, Software Development Models and Design Thinking.

FROM THE DESK OF HOD

Dr. A. NARESH KUMAR
HOD/CSBS

On behalf of the Department of Computer Science and Business Systems (CSBS), it is my distinct honor to present the Sixth edition of our newsletter — TECHBIZ'25.

In today's rapidly transforming world, technology has evolved beyond being merely a tool for business — it is the business. At CSBS, we embrace this reality by embedding the seamless fusion of technology and business strategy into the very core of our academic framework.

Sri Sairam Engineering College took a visionary leap by launching the B.Tech in Computer Science & Business Systems — a program uniquely designed to cultivate professionals who not only excel in technology but also comprehend the intricacies of the business ecosystem. This dual-focused approach equips our students to become agile problem-solvers, armed with both technical mastery and managerial foresight.

TechBiz'25 captures the vibrant pulse of our department — spotlighting key events, strategic collaborations, and impactful initiatives that deepen our industry ties. It also celebrates the remarkable achievements of our students and faculty, serving as a beacon of motivation for future excellence.

This newsletter is more than a chronicle of accomplishments — it is a platform that ignites innovation, fuels creativity, and encourages bold thinking. I extend my sincere appreciation to our college management for their unwavering commitment and to the editorial team for their tireless dedication in bringing TECHBIZ'25 to life.
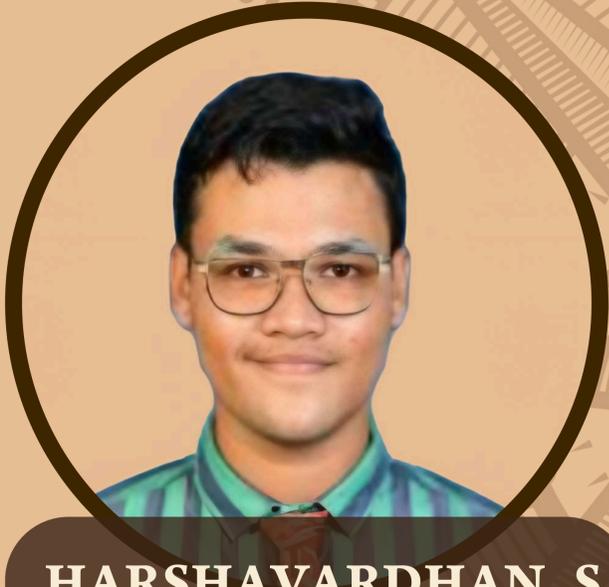
ASSOCIATION MEMBERS

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Advocate
KARTHIK R

Guide
AKSHAYA S

Influencer
HARSHITHAA T

Communicator
PRATIBHA V

Artificial General Intelligence: The New Era of Human-Driven Intelligence

Article by Senthil S (II Year, CSBS)

Artificial Intelligence (AI) began as machines capable of performing narrow, specific tasks such as recognizing patterns, solving problems, and conversing with humans. These AI systems, called Artificial Narrow Intelligence (ANI), power technologies like virtual assistants, recommendation engines, and autonomous vehicles. However, ANI excels only within its specialized domain and lacks the ability to generalize beyond it.

The next milestone in AI development is Artificial General Intelligence (AGI), defined as machines with the ability to understand, learn, and apply knowledge across various tasks at human-like levels. Unlike ANI, AGI is capable of reasoning, adapting, and solving novel problems autonomously. Imagine an AI that can simultaneously diagnose medical conditions, write literature, and innovate technology—this reflects the promise of AGI.

AGI represents a significant leap forward, bridging today's ANI and the speculative future of Artificial Superintelligence (ASI), which would surpass human cognitive abilities in unimaginable ways. While ASI remains theoretical, AGI is within reach through ongoing advancements in machine learning, deep learning, and neural networks.

However, the rise of AGI also introduces ethical, social, and governance challenges. Responsible development and collaboration among governments, researchers, and corporations will be essential to ensure AGI enhances human potential without unintended harm. The future vision is of humans and AI working in partnership, where AGI amplifies human creativity and problem-solving to address complex global challenges.

In conclusion, AGI heralds a new era of innovation and intelligence, with the potential to revolutionize industries while requiring careful stewardship to align with humanity's best interests.

INDUSTRIAL COLLABORATION

Tata Consultancy Services

VEI Technologies

Paxel Technologies

Build HR

DATADNA

Plant Green Inertia

INDUSTRIAL COLLABORATIVE PROJECTS

cognizant

NASSCOM®

PAXEL
TECHNOLOGIES

8 Queens

Build Hr

Softrate

bhobi G

2017-2018's
MOST AWARDED DEVELOPER
Shriram
Properties
Homes that live in you

EPICAL
LAYOUTS
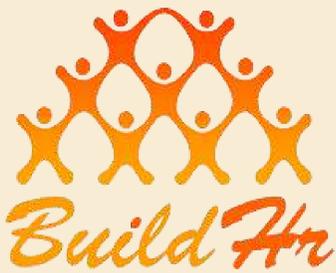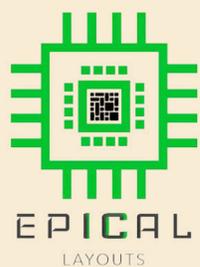
PLANT
GREEN INERTIA

tcs TATA
CONSULTANCY
SERVICES

STUDENTS ACHIEVEMENTS

INVASO-E-SUMMIT

Dhanush BT, a III-year CSBS student, won Invaso- E-Summit 25 Decade of Dynamismat IIT Madras, held offline outside the organization on 2nd March 2025, and received aprize of ₹12,000.

SMART INDIA HACKTHON

Students from CSBS was participated in Smart India Hackathon 2024

CHEMOVATE'S 25

Dhanush BT, Tejashwini , a III-year CSBS student , won Chemovate'25, a National Level 24-hour Hackathon at St. Joseph's College of Engineering, held offline outside the organization on 14th March 2025, and received a prize of ₹25,000.

STUDENTS ACHIEVEMENTS

SAIRAM INNOVATION ECO SYSTEM

IDEATHON 5.0

SOLVATHON 4.0

INNOVATHON 3.0

INSPIRATHON 2.0

STUDENTS ACHIEVEMENTS

IDEA PITCHING

Winning in the event "Mine Your Ideas" – Idea Pitching conducted at Loyola ICAM Engineering College.

1st Prize (₹1500) – TeamMembers:
- **Gokul Jayachandran** (III Year)
- **Yogesh Odayar** (III Year)
- **Lokesh T A** (III Year)
- **Yogeshwaran** (III Year)

2nd Prize (₹1000) – Team Members:
- **Nithiashree M** (III Year)
- **Tharun Kumar C** (III Year)
- **Ratheesh T** (III Year)
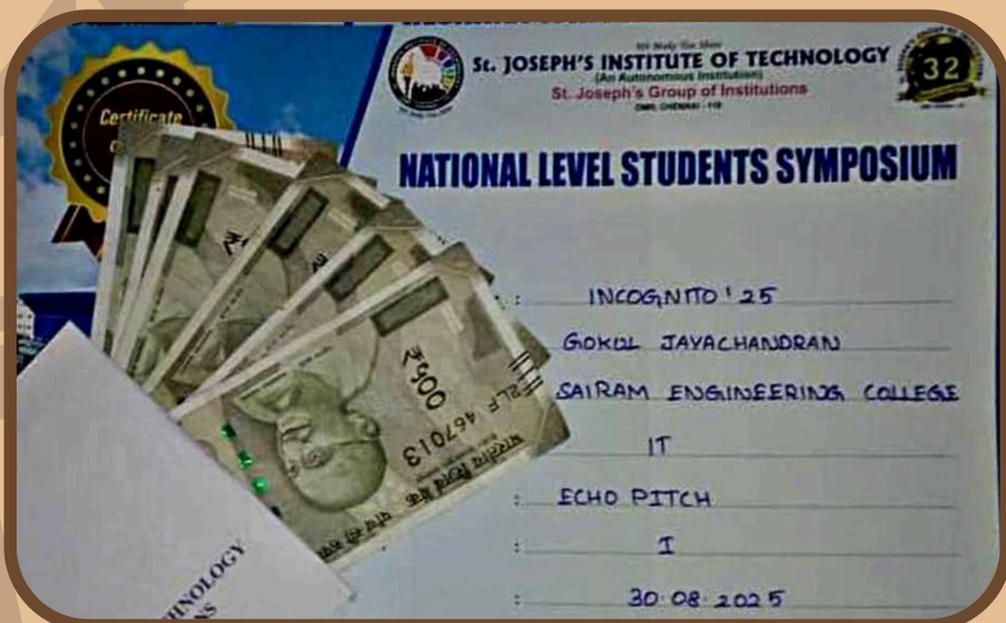
Team RenoX – **Gokul Jayachandran**, **Yogesh Odayar P S**, and **Lokesh T A** – for bagging the **First Prize (₹3000)** in the technical event "Echo Pitch (Idea Pitching)" at Incognito'25 – National Level Students Symposium, St. Joseph's Institute of Technology, Chennai.

STUDENTS ACHEIVEMENTS

Harsha Nandhini & Varshini Elumalai Palani (II Year) won the Special Prize in Paper Presentation and **1st Prize** in Aura Connect (Trophy and Cash Award) at "BIOAURA'25" at Kings Engineering College.

Selin & Santhiya (II Year) secured the Second Prize "BIOMYSTIC" at the National Level Technical Symposium TECHNOVANZA 2025–26, Jerusalem College of Engineering awarded a cash prize of ₹1000 for the achievement.

Nithiashree M, Harshithaa T, Lavanya L secured 3rd prize and a cash award of ₹500 in Thinkathon: Mine Your Ideas, organized by IEEE OES & GRSS under the IEEE Blue Earth Innovation Fest 2025!

Yogesh Odayar P S, Gokul Jayachandran, and Lokesh T A (III Year) secured the **1st Prize** in Crack the Gap (Pitching Event) and the **3rd Prize** in Card Connect (Technical Quiz Event), at Gojan School of Business and Technology.

STUDENTS ACHIEVEMENTS

Keerthika S (III CSBS–A) and **Dheepayalini R** (III CSBS–B) for winning 1st Prize in the event "Portraits of Perception", received a cash award of **₹3000.**

Kamalika (II CSBS–B) won 2nd Prize in both Ideathon and Paper Presentation at Jeppiaar Institute of Technology, winning a ₹1000 cash reward.

Tharun Kumar C, Ratheesh T, Akshitha Jyothi D & Dharini G won 2nd Prize (₹2000) in the non-technical event "Jetsignum – Unscripted" organized by the Dept. of ECE, St. Joseph Engineering College.

CODING EVENT
Akshitha Jyothi and **Dharini G** from III Year CSBS, for securing the Third Prize in the Decoding event conducted as part ofChrysalis'25, hosted by St. Joseph's College of Engineering.

STUDENTS ACHIEVEMENTS

Deepak Vijay, CSBS II Year, received the **First Prize** in the Biquest Event held at Prathyusha Engineering College on 24.09.2025.

Suman, CSBS II Year, received the **Second Prize** in the Biquest Event held at Prathyusha Engineering College on 24.09.2025.

Angelina Joel, **Vignesh**, and **Selin**, CSBS II Year students, won the Special Prize atthe Startup-Simulation Event held at Prathyusha Engineering College on 24.09.2025.

Tharun Kumar C, Akshitha D, Dharini G (III Year) secured the **1st Prize** in Business presentation and the **2nd Prize** in Card Connect (Technical Quiz Event), at Gojan School of Business and Technology.

CSR INITIATIVES

UBA Application created for collecting household survey by **Tharun Raj R G** and Team.

Our CSBS students, along with **Malathi Mam** and CSBS Students, participated in the IEEE SIGHT project survey at Nallur School, accompanied by Mr. Aathilingam Sir.

STUDENT'S ARTICLE

Unlock the Power of Your Brain: 5 Cognitive Hacks for Students and Beyond

An Article by R. Pradeep kumar (IV Year)

Our brains are wired to filter, repeat, and even deceive us, often without us realizing it. By understanding cognitive biases, students and professionals can harness these quirks for personal growth. One fascinating phenomenon is the Baader-Meinhof Effect, or Frequency Illusion, where your brain starts noticing something everywhere after you've learned about it. You can use this by exposing yourself to new information and letting your brain help reinforce it.

The Zeigarnik Effect suggests that our brains dislike unfinished tasks. To boost productivity, start a task and leave it incomplete before taking a break—this will make you return more focused. Meanwhile, Confirmation Bias ensures that your brain seeks evidence for what you already believe. To leverage this, start your day with positive affirmations so your brain can find ways to validate them throughout the day. Conversely, be mindful of negative self-talk, as it can reinforce limiting beliefs.

The Feynman Technique teaches that if you can't explain something simply, you don't understand it well enough. Try explaining complex topics to someone with no background in the subject to test your comprehension and improve retention. Finally, the IKEA Effect suggests that we value things more when we've had a hand in creating them. Apply this by making your own study plans and notes—your investment in the process will drive greater success.

These cognitive hacks aren't just for academic achievement; they can transform your thinking, productivity, and overall life. Understanding how your brain operates helps you use it to your advantage, making it easier to reach your goals
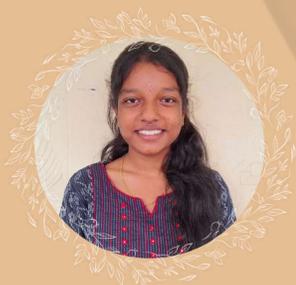
Life of a Hosteller: A Journey from Chaos to Confidence

Article by Gomathi M (III Year, CSBS)

Hostel life is more than just staying away from home — it's the first real taste of freedom. No one wakes you up, reminds you to eat, or stops you from staying up all night. At first, it feels like pure joy — laughter, midnight talks, and doing whatever you want.But soon, you learn that freedom comes with responsibility. There are days you run out of money, nights you miss home-cooked food, and mornings you have to handle everything alone — from laundry to life decisions.Slowly, strangers turn into family. You share food, laughter, and even silence. You celebrate birthdays with small cakes, survive on Maggi, and find comfort in each other's chaos.Hostel life teaches lessons no classroom ever can — how to adjust, care, and stand on your own. You learn that growing up isn't about age, but about courage, patience, and self-belief.In the end, every hosteller walks out stronger — independent, confident, and ready to face the world. Because hostel life doesn't just prepare you for exams — it prepares you for life.

SPECIAL ACHIEVEMENTS

Outstanding success of our students, Pradeep Kumar Ramesh and Janesh (IV Year CSBS), for qualifying GATE 2025 and receiving a reward of ₹10,000 each.

Nasreen Begam, Sowmiya S.T and Parvathi S., CSBS students, secured **100/100 marks** in the NPTEL course Organizational Behaviour: Individual Dynamics in Organization as part of their Honours Degree.

Dr. Naresh Kumar A received the NPTEL Discipline Star Award. Mrs. Saraswathy S received both the NPTEL Discipline Star and Motivated Learner Awards. Many students from III and IV Year CSBS also received the Discipline Star and Motivated Learner Awards.

Kapilaw T. S., from III Year CSBS, successfully completed the Korean Language Course (Level 1) offered by the King Sejong Institute and was awarded the certificate of completion.

POETRY CORNER

The Unsung Hero: My Father"
"The first man every kid admires;
He did everything for that small soul
even in despair;
he helped me through hardships to
mold;
The holding hand let the emotion
unfold;
Taught me to be bold;
He had a heart of gold;
brave warrior at heart who never
grows old;
never let me in trouble and cold;
The father is the man who's love is
untold;"

–Roshni S

II year

Rise Again

We all have a story, silent or loud,
Of dreams we whispered under a
cloud.
Of tears we hid in smiles so wide,
Of battles fought deep inside.

We've known the weight of unsaid
words,
The ache that lingers, never heard.
We've laughed at night, and cried at
noon,
And wished on stars, and begged the
moon.

–Hariharan B

III Year

DEPARTMENT ACHIEVEMENTS
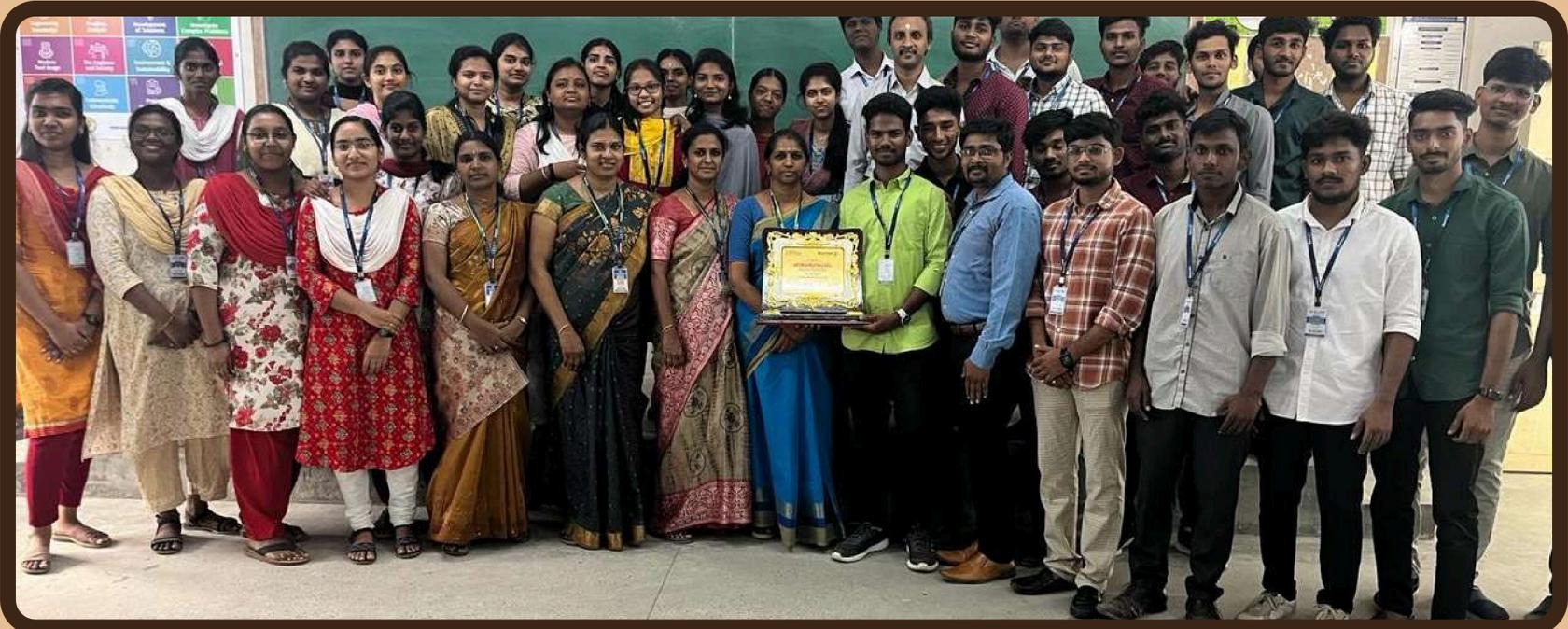
Our CSBS department received the "Veeramuthuvel Innovation Award" in recognition of the exemplary contributions made by the first batch students.

FUNDED PROJECT

HeptaG SOLUTIONS (Sai Sakthivel, Sunil S, Akshaya, Pragadeeswari , IV year CSBS students) has received funding of **₹2,52,600** under the EDII Innovation Voucher Program (IVP).

Ms. Angel Barakka J secured a funding support of approximately **₹1,00,000** from the Bureau of Indian Standards (BIS) for organizing academic and skill development activities.

The Department organized an AICTE–ATAL sponsored Six–Day Online Faculty Development Programme on "AI and Quantum Computing: Glimpsing Near the Future" from 25th to 30th January 2025.The programme received **₹1,00,000** funding support under the ATAL Academy's FDP scheme.The event was coordinated by Ms. Arunadevi R and Ms. Nithya D.

POETRY CORNER

The Renaissance

I've made a move, yet stayed turbulent
and unsettled.
All of the tragedies remain in my body,
a fractious crowd.
I've been worn out, maundering
through the vacillation that has quietly
evolved within me.
Yet the meandering shall one day
settle, in the best shot my heart
believes
and my mind dares to think.
My heart refuses to settle for less, my
mind sets its limits
and so, I placed my faith in their
league.
The next home run will be a mammoth
rise, a redemption carved out of every
remorse. **.**

-Tanushree S
II Year

When LovePoured

In the rainy days of my life,
You came as a gift from the sky —
My lovely, precious treasure,
A light I'll guard till time runs dry.
My sunshine who brightens my cloudy days,
I crave your warmth in countless ways.
Even at night, when stars are strewn,
I need this sunshine as my moon.
A melody of love began to play,
With every drop, it found its way.
You held my hand through every storm —
Together, we could stand, transform.
Through seasons of joy and sorrow's chain,
You're my today, my bright tomorrow's gain.
My rainbow glows after every rain,
My forever heart, in love's refrain.

-Kapilaw TS
IV Year

FACULTIES ACHIEVEMENTS

Dr. NARESH KUMAR A received the "KALAM's BEST MENTOR AWARD" from World Youth Federation.

Dr. SATHYA T received the Mentor Certificate for guiding the project under LEAP, conducted by IIT Madras.

Mrs. Saraswathy S received the Best Skillrack Mentor Award for successfully guiding students to excel in Skillrack.

Dr. Sathya T, received a Certificate of Recognition for publishing in a Q1 Journal during her Ph.D. at Anna University on 17th April 2025.

FACULTIES ACHIEVEMENTS

Ms.ARUNADEVI R received the "Best Teacher Award' from The Lions International Club(District 324J) during the Teachers' Day celebration on 05.09.2024.

Mr.Prabhu D was recognized as an NPTEL Discipline Star by NPTEL SWAYAM and received the "BEST MENTOR AWARD" from World Youth Federation.

Ms.INDHUMATHI C received the "Best Teacher Award" from The Lions International Club(District 324J) during the Teachers' Day celebration on 05.09.2024

Mr.Prabhu D received the "Best Skillrack Mentor Award" for successfully guiding students to excel in Skillrack.

FACULTIES ACHIEVEMENTS

Dr. A. Naresh Kumar served as the mentor for the team that won the First Runner-Up position under the problem statement 'Cultivating Sustainability' in the SEATECH International Hackathon organized by Universiti Teknologi PETRONAS (UTP), Malaysia, and received a cash prize of USD 750

Our CSBS department faculty members received the NPTEL Top Performing Mentor Award for the academic session January–June 2025.

- Mr. Prabhu D
- Mr. Manickavasagan V
- Ms. Malathi J
- Ms. Saraswathy S
- Ms. Aruna Devi R
- Ms. Mahesh Lakshmi C
- Ms. Nithya D
- Ms. Indhumathi C

Ms. SARASWATHY S received the Mentor Award for mentoring the team that participated in the 6th Technovation Hackathon, organized by Sharda University, Noida, from January 21 to January 26, 2025.

STUDENTS BALCONY

VISHALI R

KANISHKA S S

SANJAY MITHRAN K
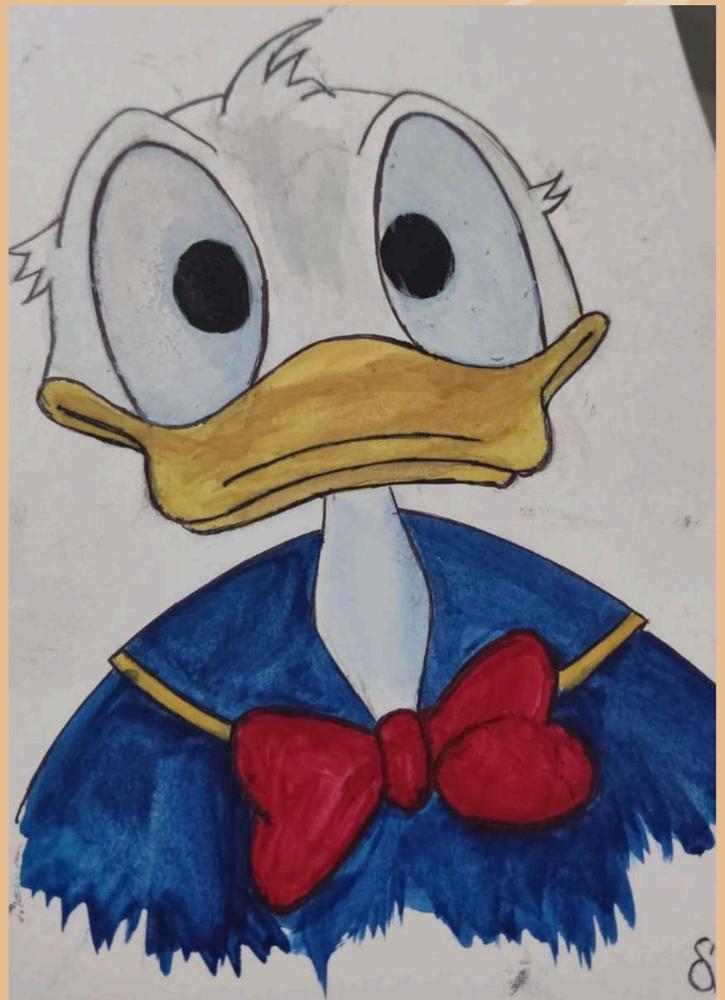
MANODHARANI S

STUDENTS BALCONY

Sujitha K

Kamalika N M

Mohanapriya S
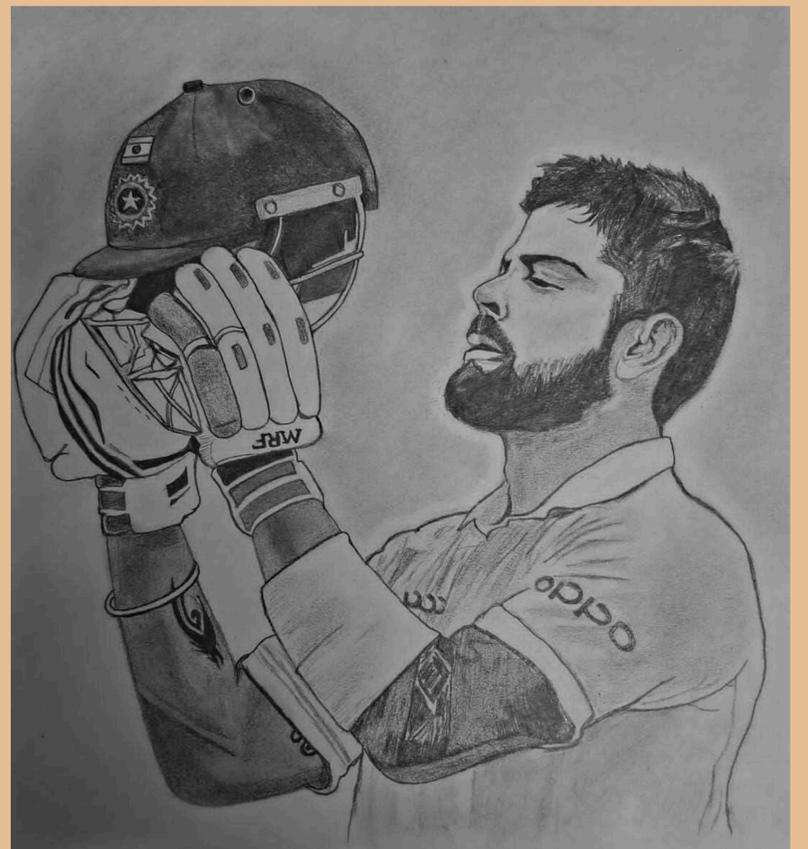
Akshitha Jyothi D

STUDENT'S ARTICLE

EDGE COMMERCE: Selling Through Smart Devices, Not Websites

An Article by S. Ramya (III Year)

Imagine your fridge ordering milk on its own or your smartwatch buying your favourite snack. That's edge commerce, the next big leap in digital business. It focuses on using smart devices to make purchases automatically, without visiting websites or apps.

Edge commerce combines edge computing, artificial intelligence (AI), and the Internet of Things (IoT) to make fast, real-time decisions. Instead of sending data to faraway servers, these devices process information locally. This allows for quick and smart actions. For example, a connected car can pay tolls automatically. A vending machine can reorder products before running out.

This technology helps businesses work faster and smarter. It reduces delays, improves personalization, and makes shopping more convenient for customers. Small businesses can reach clients directly through smart devices instead of traditional platforms.

However, edge commerce also faces challenges like data privacy, security, and compatibility among different devices. Companies must invest in strong systems and train their teams to manage this new way of doing business effectively.

In the coming years, edge commerce will turn the Internet of Things into the Internet of Transactions. It's a future where technology handles buying for us, making life simpler, smarter, and more connected than ever before.

SPORTS ACHIEVEMENTS

Yaahaseelan S.S, a Third Year CSBS B student, secured **3rd place** in the CM Trophy Table Tennis tournament conducted by Kancheepuram SDAT and was awarded a cash prize of ₹1,000.

Sanjay, IV Year, secured **2nd Place** in Badminton Singles and 3rd Place in Badminton Doubles at the CM Trophy (college level).

CM TROPHY 01-09-2025

Bala Nivasa VEL and **Mugunthan G**, 4th Year CSBS–A, secured **3rd place** in the CM Trophy Handball tournament conducted by Kancheepuram (SDAT), winning a cash prize of ₹9,000.

SPORTS ACHIEVEMENTS

Thejasri, a Fourth Year CSBS student, won the Doubles event and also secured **Third Place** in the Singles event on 06.09.2025.

Keshika Sri from Second Year received the **Second Prize** in the CM Trophy Volleyball Tournament with a cash award of **Rs. 2,000,** held on 27.09.2025.

Harson M (IV year), **Tharun AK**, and **Bala Nivasa Vel** (III year CSBS students) participated in the Anna University Zone-4 Handball Tournament and secured the runner-up position on 21.09.2024.

PREVIOUS EDITIONS

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TECHBIZ 23

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TESTIMONIALS

Being a 3rd-year student of Computer Science and Business Systems (CSBS), my journey with the department has been truly transformative. The combination of workshops, college events, and hands-on projects has not only strengthened my technical and managerial abilities but also provided valuable insights into the integration of technology and business. The department fosters a stimulating environment where students are encouraged to innovate, explore new ideas, and push their boundaries. We were given chances to participate in various college events, which enriched our experience by providing practical knowledge, opportunities for awards and recognition, and a platform to develop essential skills in teamwork, leadership, and professional growth. Beyond academics, the emphasis on collaboration and peer learning has helped me build meaningful relationships that I cherish deeply.

Overall, my experience with CSBS has been both inspiring and transformative, motivating me to continually strive for excellence and prepare for the challenges of the professional world.

-by Yogesh Odayar P S

Being a 2nd-year student of Computer Science and Business Systems at Sri Sairam Engineering College. I am fortunate and lucky to receive my degree from this prestigious institution as I get to learn coding, technical and management skills with this course. Moreover our department HOD Dr. Naresh Kumar A sir interacts with us frequently. Teachers at this institute take good care of the students. Mentors are of constant support in the institute as they look into and solve any problem faced in the institute. I get to learn new skills through our teachers, mentors and also try to implement new innovative ideas in projects.

-by Sanjay V

TESTIMONIALS

Being a part of the Computer Science and Business Systems (CSBS) department, it has been a meaningful and enriching experience. Over the years, I've gained a strong footing in core computing concepts while also developing an understanding of business analytics and practical problem-solving skills—something I believe sets our department apart. The curriculum, combined with the guidance of dedicated faculty members, has helped me develop both technical expertise and managerial insight—skills that I believe are essential for the future of technology-driven industries. The department has helped me in bridging the gap between academics and Industry expectations by conducting several workshops and connecting us to various experts individually. The continuous encouragement to participate in symposiums, hackathons, and real-world projects has boosted my confidence and prepared me to face professional challenges with clarity and determination. I am truly grateful to be a part of the CSBS community, where every opportunity is a step toward becoming an industry-ready professional with a balanced blend of technology and business intelligence.

–by Balaji S

Being a part of the Department of Computer Science and Business Systems has been one of the most enriching phases of my life. Under the inspiring guidance of our HOD, Dr. A. Naresh Kumar, and the tireless efforts of our dedicated faculty members, I've learned not just concepts and technologies, but also discipline, teamwork, and innovation. The department's constant encouragement to explore new ideas through projects, hackathons, and events has shaped my confidence and clarity in both academics and life. Equally unforgettable are the memories created with my classmates and friends — from brainstorming sessions and group projects to laughter-filled industrial visits and symposium moments. Every experience taught me something new, both technically and personally. I'm truly grateful to my HOD, faculty, and friends for making this journey so special. CSBS has not only shaped me as an engineer but also as a person ready to face the challenges of the real world.

–by Hariharen B