



Sri

SAI RAM ENGINEERING COLLEGE



Department of

COMPUTER SCIENCE & BUSINESS SYSTEMS

Presents

Techbiz'24

ABOUT CSBS

The B.Tech in Computer Science and Business Systems (CSBS) is an innovative and forward-looking 4-year undergraduate program, crafted by Tata Consultancy Services (TCS), one of India's leading IT services and consulting firms.

This dual-focused course offers students a comprehensive education not only in the core areas of computer science but also instills a deep understanding of humanities, ethics, human values, and business studies with an aim to produce engineers with both technical skills and business acumen.

The students are exposed to knowledge of recent trends such as Computational Statistics, Cognitive Science and analytics, Machine Learning, Software Development Models, Design Thinking, Financial Management, Services Science and service Operational Management, Marketing Research, and Marketing Management.

EDITORIAL TEAM

Chief Editor – Dr. Sathya T

Staff Coordinator – Mrs. Saraswathy S

Keerthana S Sathish Kumar K Sri Boomija K Soumya S Nivekhitha R H

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. T. SATHYA
HOD/CSBS

On behalf of the Department of Computer Science and Business Systems (CSBS), it is a matter of great pride to present the fourth edition of our newsletter, "TECHBIZ'24". In today's world, "Technology is not just an enabler of business; it is the business." This seamless integration of technology with business strategy is the essence of our curriculum.

Sri Sairam Engineering College took a visionary step in introducing the B.Tech in Computer Science & Business Systems, a program designed to build professionals who not only master technology but also understand the dynamics of business. This unique approach helps our students emerge as problem solvers equipped with both technical and managerial perspectives.

TechBiz'24 showcases significant highlights of our department, including key events, collaborations, and initiatives that strengthen our industry connections. It also celebrates the achievements of our students and faculty, inspiring others to aim high.

This newsletter is more than a report; it's a platform that motivates and encourages innovation. I am grateful to our management for their continuous support and the editorial team for their dedicated efforts in making TECHBIZ'24 a reality.

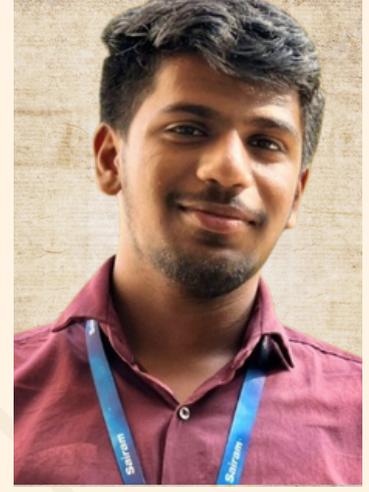
ASSOCIATION MEMBERS



Tharun Raj R G
Chairperson



Sanjana P
Vice - Chairperson



Aravind A C
Secretary



Vijayasubash E
Treasurer



K Sathish Kumar
Joint Secretary



Balaji S
Joint Secretary

MAGIC MEMBERS

Mastermind



Rahul V

Advocate



Shyam V

Guide



Sharavana Kumar

Influencer



Aravinth S M

Communicator



Subha Lakshmi S

STUDENT'S ARTICLE



The Rise of Generative AI : Applications and Ethical Concerns

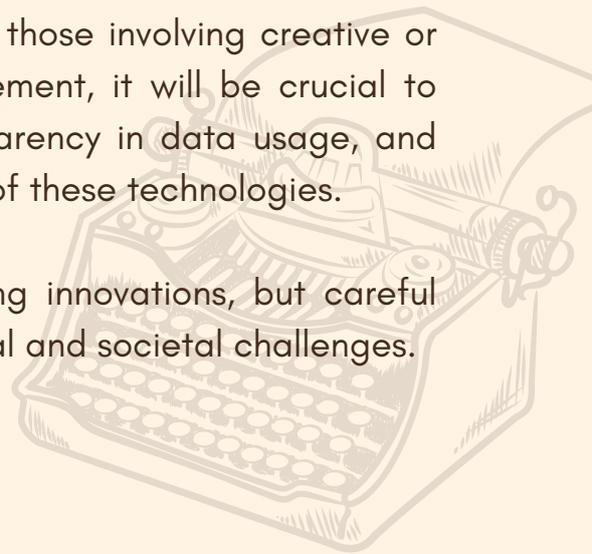
An Article by Rithika R(III year)

Generative AI, a subset of artificial intelligence that creates original content, has transformed areas like art, music, and writing. By utilizing models such as GPT-4 and DALL-E, generative AI is capable of producing text that resembles human writing, lifelike images, and even sound compositions. This technology's adaptability is clear across sectors like entertainment and healthcare. For example, it is used to craft visual ideas for marketing, build personalized virtual assistants, and improve customer service.

What is particularly intriguing about generative AI is its capacity to innovate in domains traditionally governed by human creativity. AI-created artwork and music can not only match the quality of human-made pieces but also span a wide range of styles and genres. In medicine, AI is helping design new drug molecules, simulate their effects, and speed up research. Moreover, businesses are benefiting from generative AI by using it to develop content for ads, create chatbots with near-human conversational skills, and automate tasks that once required human effort.

However, despite these impressive applications, generative AI introduces significant ethical concerns. A primary issue is the potential misuse of this technology to produce deep-fakes or deceptive content, which could spread disinformation and cause harm. Another concern involves intellectual property. Since AI models create content based on the data they are trained on, questions about ownership and originality naturally arise. There's also the risk that generative AI could displace jobs, particularly those involving creative or repetitive tasks. To ensure its responsible advancement, it will be crucial to establish strong ethical frameworks, ensure transparency in data usage, and implement policies to address the societal impacts of these technologies.

Generative AI holds the promise of groundbreaking innovations, but careful management will be necessary to minimize its ethical and societal challenges.



INDUSTRIAL COLLABORATION



 **Tata Consultancy Services**



 **VEI Technologies**



 **Paxel Technologies**



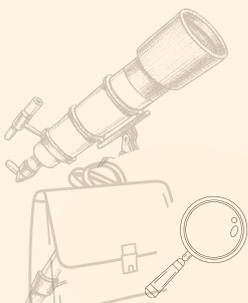
 **Build HR**



 **DATADNA**



 **Plant Green Inertia**



INDUSTRIAL COLLABORATIVE PROJECTS



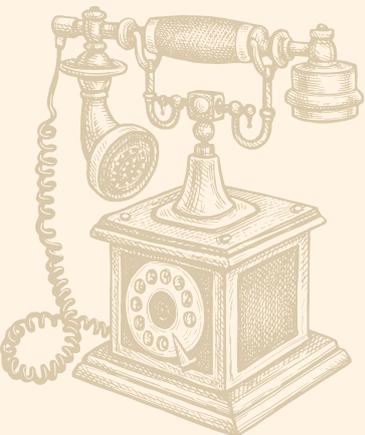
NASSCOM[®]



8 Queens



G hobi G



STUDENT'S ARTICLE



THE BUSINESS TECH REVOLUTION: Key Trends you can't afford to ignore

An Article by Asmitha Sri(III year)

The article explores how technology is revolutionizing business through e-commerce, digital platforms, cloud computing, and globalization, driving efficiency and global reach.

In today's fast-paced world, technology is essential for business survival and growth. As we advance deeper into the digital era, the synergy between business and technology becomes increasingly critical. Technology transforms commerce, offering faster and more efficient ways to conduct transactions. This revolution has opened international markets, allowing companies to compete globally, fostering innovation and competition.

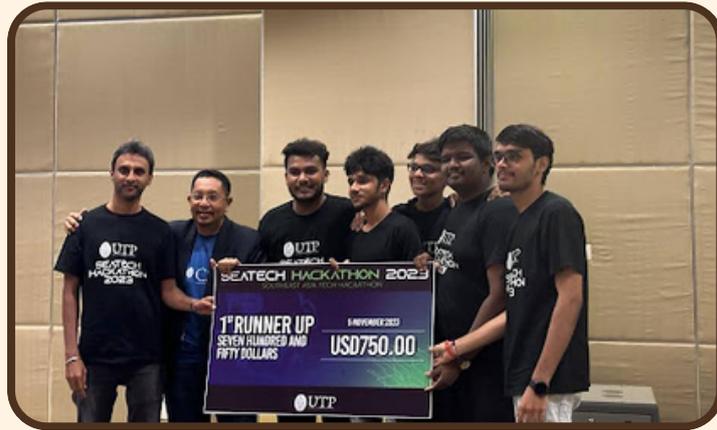
However, the rapid pace of technological change presents significant challenges. Businesses must prioritize ongoing innovation and flexibility, continuously updating strategies to incorporate the latest advancements. This includes investing in new tools and fostering a culture that embraces change. Employee training is also vital, ensuring teams can effectively navigate new technologies. A mindset of continuous learning helps organizations remain competitive.

One of the most profound impacts of technology is the rise of e-commerce and digital platforms.

Advanced technologies like augmented reality (AR) and virtual reality (VR) are increasingly used in e-commerce, allowing consumers to visualize products in their environments or try on clothing virtually. These innovations enhance the shopping experience and reduce return rates, benefiting both customers and retailers.

In conclusion, integrating technology into business is essential for navigating the modern marketplace. Innovations such as AI, automation, and cloud computing not only improve efficiency but also reshape entire industries. Businesses that adapt to these advancements will thrive in an ever-evolving landscape, ensuring long-term sustainability.

STUDENTS ACHIEVEMENTS



M Manish, IV Year CSBS received Cash Prize of USD 750 at SeaTech Hackathon, UTP, Malaysia.



Rahul V, IV Year CSBS member of "Nimbus 001" participated in Smart India Hackathon.



Tharun Raj R G, IV Year CSBS member of "Innovision Vanguard" participated in Smart India Hackathon.

STUDENTS ACHIEVEMENTS

SAIRAM INNOVATION ECO SYSTEM



IDEATHON 4.0



SOLVATHON 3.0



INNOVATHON 2.0



INSPIRATHON 1.0

STUDENTS ACHIEVEMENTS

SAI SUNIL KUMAR RK , IV year student has got awarded IEEE Education Student & Young Professional Congress as Recognised BEST VOLUNTEER AWARD 2024 on 24.8.2024.



Keerthana S of IV year received special mention in Tamilnadu Yourstory event.

Rahul V of IV year received the volunteering award from IEEE WIE MAS AG on 5th October 2024.



Manish. M IV Yr , Sai Sakthivel R III Yr , Keerthana S III Yr from CSBS department received Best IEEE Student Volunteer Award in 2023

STUDENTS ACHIEVEMENTS



Team HEPTAG Solutions (Sai Sakthivel, Raghuram, Sunil S, Akshaya JS, Pragadeeshwari G, Jayashree T) secured pre-incubation grant of Rs.25000/-

Tharun Raj R G, IV Year CSBS student created UBA survey mobile application to take village surveys and household surveys offline.



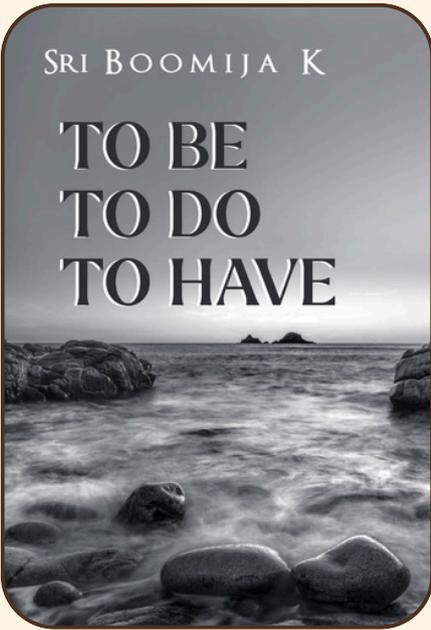
Priyanka R , CSBS final year student , has been honored with the "INSC Young Researcher Award - 2024" on 31.08.2024 .

Nasreen Begam Z has been awarded as the student organizer of the IEEE Day 2024 Celebration.



STUDENTS ACHIEVEMENTS

Sai Sunil Kumar R K, III Year CSBS student has been selected as a delegate for BEST DIPLOMATS - UNITED NATIONS SIMULATION CONFERENCE



Sri Boomija K of III year published her debut poetry book - 'to be, to do, to have' in February 2024.

S.Keerthana of IV CSBS performed poetry in 100 hours Mental Health World Record Open Mic held on August 2024



Kapilaw S of CSBS III year has completed upto Level 2 in the Korean language.

SPORTS ACHIEVEMENTS



State level table tennis

THEJASRI A

III-YEAR/CSBS

Secured 1st in state level table tennis event organised by Sri New Prince Bhavani College

State level Hand ball
THARUN A K , BALA NIVASA VEL
III -YEAR/CSBS
DHANUSH PRABHU K
IV-YEAR/CSBS

State level Hand ball runner-up
Organised by Shri new prince Bhavani college of engineering



ANNA UNIVERSITY ZONE IV
TOURNAMENT

Sanjay.s II-YEAR

Sabarish II-YEAR

Simon JOHN II-YEAR

Harson III-YEAR

Won Gold , Silver and Bronze,
organised by Sri Sai Ram Engineering College.

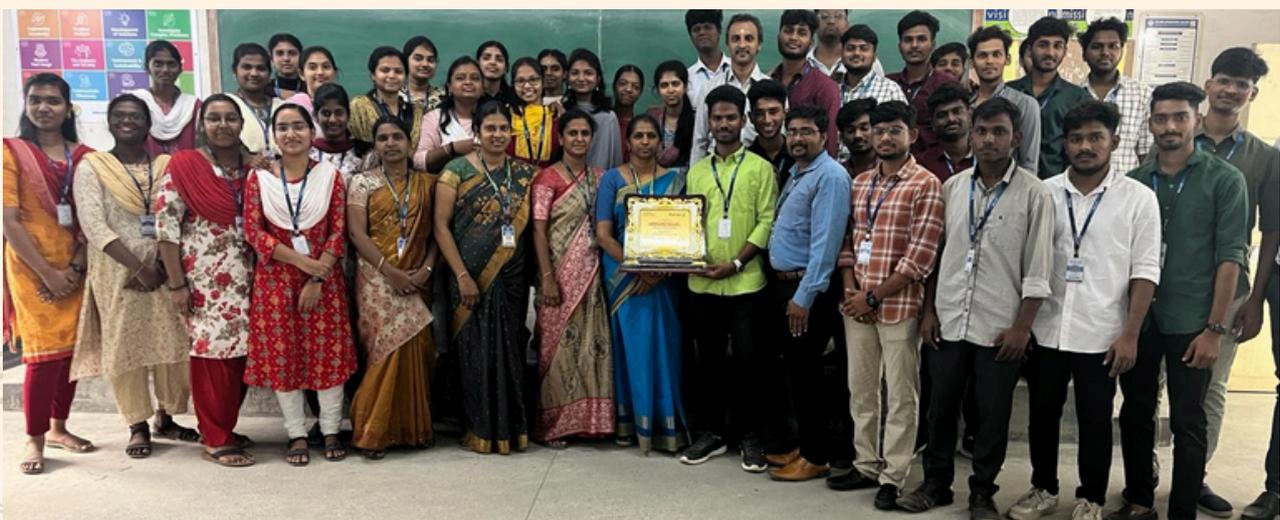
ANNA UNIVERSITY ZONE IV
TOURNAMENT
SANJAY S
2nd YEAR/CSBS
RUNNERS UP IN BADMINTON



DEPARTMENT ACHIEVEMENTS



**OUR DEPARTMENT RECEIVED THE
VEERAMUTHUVEL INNOVATION AWARD FOR
THE EXEMPLARY CONTRIBUTIONS OF FINAL
YEAR STUDENTS (2020-2024) FOR SAIRAM
INNVOATION ECOSYSTEM 2024 dated
15.03.2024**



FACULTIES ACHIEVEMENTS

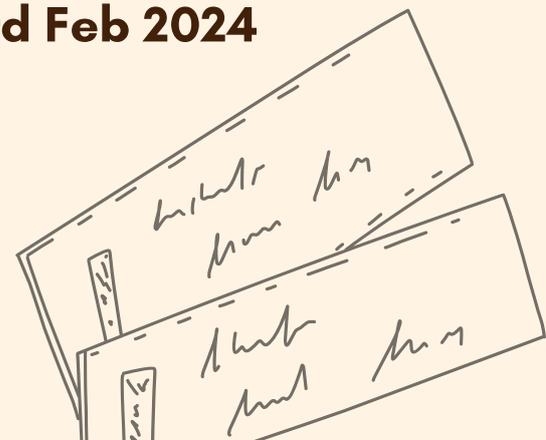


Mr.D.Prabhu has received **Best Mentor** award for PGPA

Mr. NARESH KUMAR acted as the **Best Mentor** for the **SeaTech Hackathon**, **UTP Malaysia**, in 2023



Dr.Sivaranjani received **Best Coordinator Award** for **International Level Student Workshop on Data Science Using Python** from 19th to 23rd Feb 2024



FUNDED PROJECTS

SRI SAIRAM ENGINEERING COLLEGE
UNNAT BHARAT ABHIYAN

Hearty Congratulations!
to the team for receiving the
PRESTIGIOUS EPICS IN JEEE FUNDING FOR
THEIR PROJECT PROPOSAL
DIGITAL ENABLED WASTE RECEPTACLE.

TEAM APADRASTA 4500 USD

Arulprakasam M - CSBS / II
Team Lead

Dr. Thanuja B
Principal Investigator

Aarthi V S - ECE / II
Member

Kavya S - IT/II
Member

Modhumitha K - AIDS/II
Member

Student guides
1. Gnana Padmesh C K - IT / IV
2. Vijayendiran A G - ECE / IV
3. Chidambara Raja G - IT / IV
4. Roshini B - EEE / III
(Epics coordinator)

Dr. K. Porkumaran
Principal

Dr. Sai Prakash LeoMurthu
Chairman & CEO

Arulprakasam M
III Year/CSBS
Received 4500 USD
Academic Year - 2023

Tharun Kumar
II Year/CSBS
Received 3,300 USD
Academic Year - 2024

Sairam
SDG ACTION PROGRAM

IEEE
TECH4 GOOD

Hearty Congratulations!
to the team for receiving the
PRESTIGIOUS IEEE SIGHT (TECH 4 GOOD)
project funding of 3,300 USD for the project
"VERTICAL TOWER FARMING (AEROPONICS)"

Dr. S. Sumathi
Prof/ECE
Principle Investigator

Nivethida A
IV/ECE
Team Lead

Sudharsan S
IV/ECE

Keerthana S
IV/ECE

Bharathan S
IV/ECE

Tharun Kumar C
II/CSBS

Suwaatha S
IV/ICE

Sivasaran G P
III/CSE

Arul Prakasam M & Arun S
III Year/CSBS
Received 7,447 USD
Academic Year - 2024

SRI SAIRAM ENGINEERING COLLEGE

IEEE Humanitarian Technologies Board

IEEE SIGHT
Special Interest Group on Humanitarian Technology

IEEE
TECH4 GOOD

Congratulations to the team for receiving the
PRESTIGIOUS IEEE SIGHT (TECH 4 GOOD)
PROJECT FUNDING FOR THE PROJECT
"BioSanTech - High Tech Sanitation for Sustainable Living"
\$7,447 USD

Dr. S.K. Umamaheswaran
Principal Investigator, Mentor

Mr. Kharthick Dham M
Industry Mentor

Ms. Harini A
Student Guide, Alumni (ECE)

Mr. HariGanesh RM
(Mech IV Year)

Mr. Gowneshwaran N
(Civil IV Year)

Mr. Aravinthan DP
(Civil IV Year)

Mr. Vignesh V
(CSE IV Year)

Mr. Santhosh K
(IT IV Year)

Ms. Kavya S
(IT III Year)

Mr. Arul prakash M
(CSBS III Year)

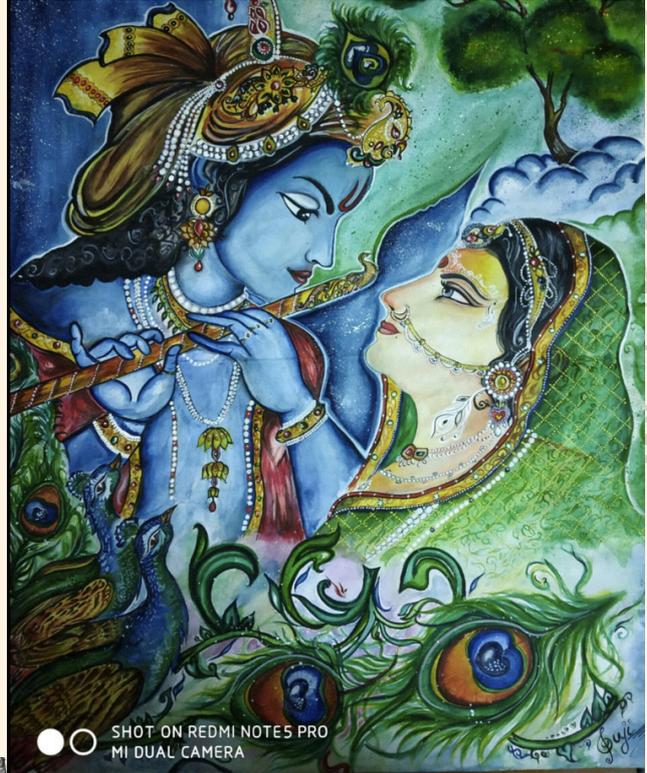
Ms. Savitha H
(CSE III Year)

Mr. Arun S
(CSBS III Year)

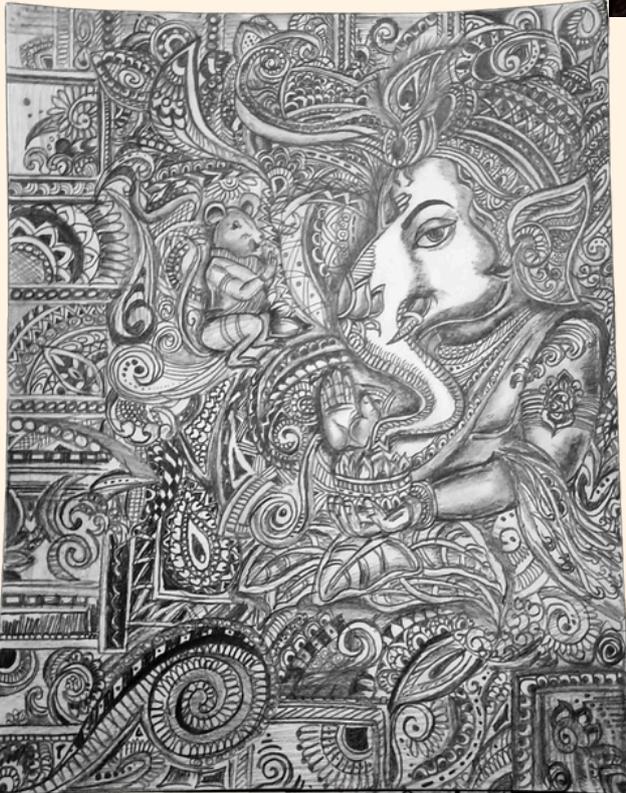
STUDENTS BALCONY



Tharun Raj R G



Sujitha K



Loga Varshini



Akshitha Jyothi D



POETRY CORNER

In the chase for joy, she learned a lot,
Facing hard times helped her grow, no doubt.
Every tough moment, a chance to rise,
A stumble forward, a stepwise surprise.

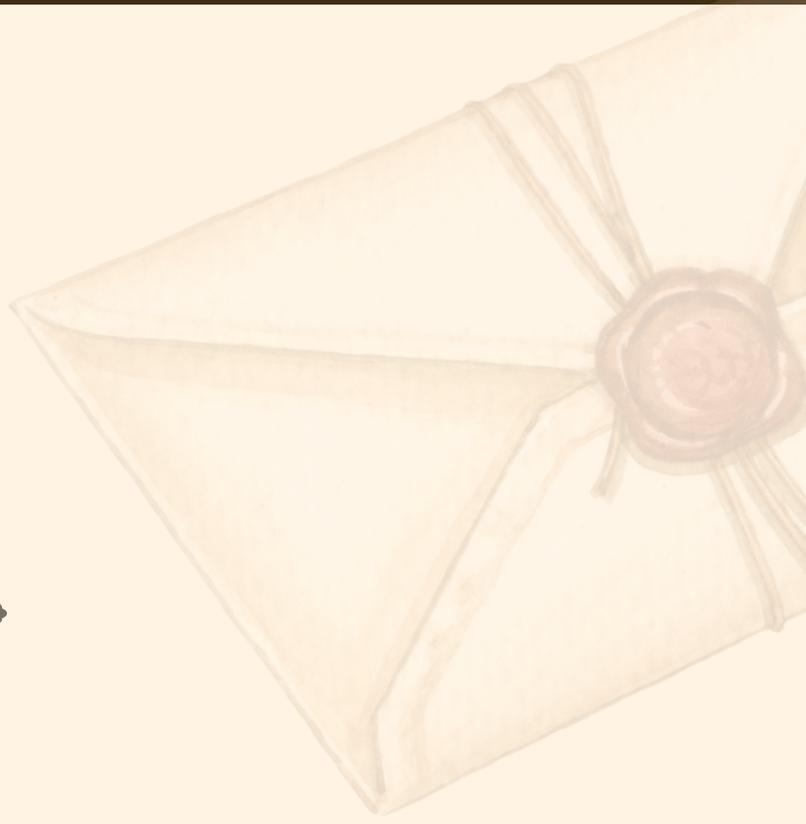
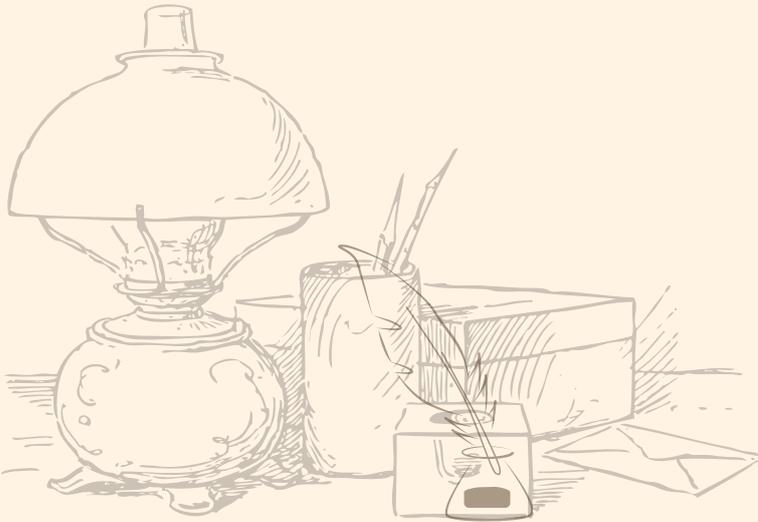
Through life's ups and downs, she stayed strong,
Refused to let anything go wrong.
In struggles, she found her inner voice,
Became tougher, made a powerful choice.

For every problem, a chance to learn,
Every hurdle, a new turn.
So if you're seeking peace or cheer,
Look inside you, it's crystal clear.

Don't mind the noise, just trust your heart,
In life's journey, play your part.
Happiness and peace, they're inside,
Within you, as you stride.

So listen close, to what's within,
Discover yourself, where to begin.
Your journey's unique, don't you see?
Find your own path, just be free.

- Keerthana S
IV Yr CSBS



கவிதை எழுதி நான் உன்னோடு
கனவுகளில் வாழட்டுமா?

இல்லை கைகளை கோர்த்து
கடற்கரையில் உன்னை தூக்கி
கொண்டு போகட்டுமா?

உன் கண்களில் விழும் ஒவ்வொரு
காட்சியாக வரட்டுமா?

இல்லை கோடி முத்தங்களாக வந்து
உன் கண்ணங்களில் விழட்டுமா?

உன் உதடுகள் உச்சரிக்கும்
மெய்யாகவும் பொய்யாகவும்
இருக்கட்டுமா?

இல்லை கதிரவனை கண்டு
வெட்கப்படும் சூரியகாந்தி பூவாக உன்
கூந்தலை கட்டிக்கொள்ளட்டுமா?

எனக்கெனவே பிறந்த விடுகதையே
விடையாக வந்து என்னை சேர்ந்துவிடு

- Vijayasubash E
IV Yr CSBS

POETRY CORNER

Sleep in arms

In her dreams of night, hopes take flight,
Asleep in his arms, he becomes the path through the night.
He cradles her, with love so deep,
Her slumbered soul, and his vigil keep.

With the light so dim and night being still,
He talks to her with endless will.
In the silence of the night, until the break of dawn,
He'll guard her with his love, until the night is gone.

Cuddles of love and snuggles so tight,
He entranced by her peaceful and gentle night.
In the calm of night, where love feels right,
The dreams and reality happily unite.

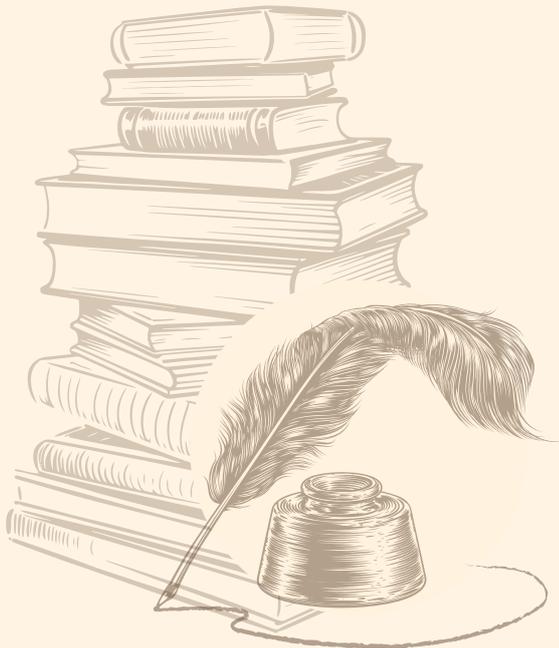
- Shyam V
IV Yr CSBS



The Song of Death

it sings
a hiccup caught mid-screech, like love
abandoned,
a few tumblers falling out of hands
and drumming the floors - dancing
to the silence of mindlessness and
a boisterous wail, that invites no judgments
because that day, no one does anything
except submit to the tunes
of death singing
with huffs and puffs, with
a quiet yet restless breathing
to the tunneling thumps of heartbeat
like submerged in emptiness
with pity sighs, and swallowed bickers
all eyes are shut in injustice, so
death sings
instead,
to the ears that would rather hear
her voice again

- Sri Boomija K
III Yr CSBS



SOCIAL OUTREACH ACTIVITIES



In 2023, Rahul V served as a judge for Technocrat Event at Bhavan's Rajaji Vidyashram.

Haribabu B served as a guest lecturer at the Ullas Trust Annual Day Function sponsored by INTELLECT, 2023



Keerthana S served as alumni chief guest ALTERCATIA'24 at SBOA School & Junior College.

MR.PRABHU D - JEE and NEET awareness at Kundrathur Govt girls higher secondary school. 180 students of various stream were engaged in 2023



In 2024, BIS - Youth to Youth Quality connect at Sri Sairam Matriculation School, Madipakkam, aims to create an awareness about Standards among Youth

TESTIMONIALS



I'm certainly privileged to be a part of the department of computer science with bussiness system. The niche of our department is that we will be encompassing in diverse roles by entailing in various projects and enhancing my skills through each participation. The collaboration of technical and managerial is the best aspect of our department that empowers myself to toil and work into companies. Our department brings commitment to our success and molds us in both academic and personal growth. The unwavering cooperation and support from batchmates and staffs and becoming a vibrant community in all perspectives

- by Hasini S



Being a part of the Department of Computer Science and Business Systems has been a remarkable journey that has shaped both my technical abilities and my understanding of the business side of technology. The combination of theoretical learning and practical applications has provided me with a comprehensive view of how technology integrates with business strategies. The department offers a stimulating environment where students are motivated to pursue their interests and push the boundaries of innovation. Through hackathon, industry talks, and hands-on projects, we are given numerous chances to engage with real-world issues and apply what we learn in practical scenarios. Beyond academics, the strong sense of camaraderie and teamwork has allowed me to build meaningful relationships and develop essential collaboration skills.

-by Sujitha K

TESTIMONIALS



I've been a part of the B. Tech Computer Science and Business Systems program, and it's been quite an enriching journey. The course provides a hands-on approach that allows students to explore various domains, making learning both interactive and engaging. The integration of business concepts into computer science is a crucial step, encouraging analytical thinking and fostering the development of innovative project ideas. While the syllabus may seem extensive, it offers a wealth of essential knowledge that is highly relevant in today's fast-paced world. This course helps us understand and appreciate the importance of these elements in our professional lives.

-by Divya R



My time in the Department of Computer Science and Business Systems has been deeply rewarding. The support from my professors, especially our HoD, Ms. Sathya T, has been instrumental in my success. Through their guidance, I've gained strong technical skills and a better understanding of real-world applications. Earning my RedHat certification has been a standout achievement, and winning various project presentations, under the mentorship of my guide, gave me the opportunity to apply my knowledge in innovative ways. The department's emphasis on hands-on learning and collaboration fostered both teamwork and creative problem-solving, pushing me to excel in every aspect of my academic journey. These experiences have not only enhanced my academic growth but also equipped me with the confidence and adaptability needed to thrive in the evolving tech industry.

-by Akshaya

JS

PREVIOUS EDITIONS



SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE & BUSINESS SYSTEMS

CSBS TECHBIZ

OFFICIAL NEWSLETTER OF THE DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

FROM THE DESK OF HOD

Dr M ANANTHI
HOD/CSBS

I, on behalf of the department of CSBS, take immense pride and pleasure in releasing our first edition of Newsletter "TECHBIZ".

Information Technology & Business are becoming inextricably intertwined.
-Bill Gates

At the core of today's modern economy, two things are important. One is Technology & the other is Business. That's why Sri Sairam Engineering college launched innovative industry relevant program which aims to create engineers with Business perspective by introducing B.Tech. In Computer Science & Business Systems. This Newsletter provides the perfect insights about the vision & objectives of the department of CSBS and takes us on a journey which brings out all the highlights of the department including important events that took place. The publication also includes all our achievers in order to honor them and encourage others to emulate the success of their peer. We release this Newsletter every 6 months in the hope that it encourages the students to make use of this platform and widen their horizons. I would like to thank our management for helping us transform the vision of "TECHBIZ" into reality. Last but not least, I appreciate the editorial team for their marvelous work.

SNEAK PEEK

- ABOUT EXHIBITS
- VISION AND GOALS
- WEEK-DIFFERENT SUBJECTS
- ACADEMIC PROGRAMS
- CENTER OF EXCELLENCE- PROFESSIONAL BODIES
- INDUSTRY-ACADEMIC COLLABORATION
- ACHIEVEMENTS
- DEPARTMENT EVENTS
- ALUMNI SOCIETY MEMBERS
- ALUMNI SOCIETY EVENTS
- STUDENT'S COVER
- FUNCTION

EDITORIAL TEAM

CHIEF EDITOR:
DR.M.ANANTHI

ASSOCIATE EDITOR:
MRS.JITHRMA
MR.D.PRABHU

EDITORIAL & DESIGN TEAM:
GAYATHRI VARSHA A S
JAIVICNEESH R
ARULNITH R G
HARSHABANU R

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SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

TECHBIZ 23

HIGHLIGHTS

- Industry-Relevant Curriculum designed by TCS and approved by AICTE.
- Mandatory industrial training supported by TCS.
- Internship & Live project opportunities at TCS for eminent students.
- Active mentoring by Experts from TCS
- High standard of teaching, learning and evaluation processes monitored by TCS.
- Innovative dual Course that includes Technical and Management Studies which is the need of the hour.

ABOUT CSBS

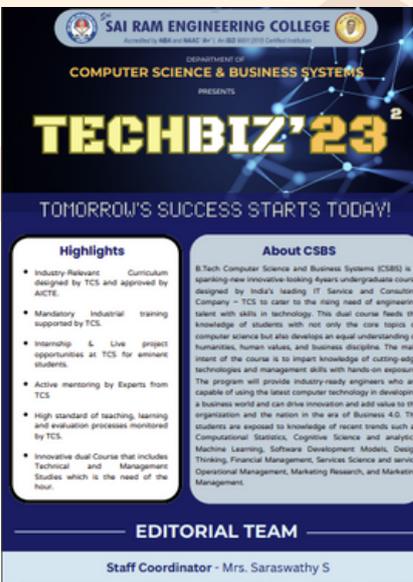
B.Tech Computer Science and Business Systems (CSBS) is a sparkling new, innovative forward-looking 4-year undergraduate course designed by India's leading IT Service and Consulting Company - TCS to cater to the rising need of engineering talent with skills in technology. This dual course feeds the knowledge of students with not only the core topics of computer science but also develops an equal understanding of humanities, human values and business discipline. The main intent of the course is to impart knowledge of cutting-edge technologies and management skills with hands-on exposure. The programme will provide industry-ready engineers who are capable of using the latest computer technology in developing a business world and can drive innovation and add value to the organization and the nation in the era of Business 4.0. The students are exposed to knowledge in the recent trends such as Computational Statistics, Cognitive Science & Analytics, Machine Learning, Software Development Models, Design Thinking, Financial Management, Services Science & Service Operational Management, Marketing Research, and Marketing Management.

EDITORIAL TEAM

ARULNITH R G
GAYATHRI VARSHA A S

JAYASHREE T J
KEERTHANA S

CSBS NEWSLETTER 2 TECHBIZ 23



SAI RAM ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE & BUSINESS SYSTEMS

TECHBIZ'23

TOMORROW'S SUCCESS STARTS TODAY!

Highlights

- Industry-Relevant Curriculum designed by TCS and approved by AICTE.
- Mandatory Industrial training supported by TCS.
- Internship & Live project opportunities at TCS for eminent students.
- Active mentoring by Experts from TCS
- High standard of teaching, learning and evaluation processes monitored by TCS.
- Innovative dual Course that includes Technical and Management Studies which is the need of the hour.

About CSBS

B.Tech Computer Science and Business Systems (CSBS) is a sparkling new, innovative forward-looking 4-year undergraduate course designed by India's leading IT Service and Consulting Company - TCS to cater to the rising need of engineering talent with skills in technology. This dual course feeds the knowledge of students with not only the core topics of computer science but also develops an equal understanding of humanities, human values and business discipline. The main intent of the course is to impart knowledge of cutting-edge technologies and management skills with hands-on exposure. The program will provide industry-ready engineers who are capable of using the latest computer technology in developing a business world and can drive innovation and add value to the organization and the nation in the era of Business 4.0. The students are exposed to knowledge of recent trends such as Computational Statistics, Cognitive Science and analytics Machine Learning, Software Development Models, Design Thinking, Financial Management, Services Science and service Operational Management, Marketing Research, and Marketing Management.

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