



**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS  
SYSTEMS**

**NEWS LETTER JUN 2024- MAY 2025**

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## **CONTENTS**

- ❖ **Mission**
- ❖ **Vision**
- ❖ **PEO'S, PO's and PSO's**
- ❖ **About the Department**
- ❖ **Symposium, Workshops & Guest Lecture organized by the Department.**
- ❖ **FDP/Workshop attended by the Faculty**
- ❖ **Conferences attended by the Faculty**
- ❖ **FDP/Workshop/Paper Presentation attended by the Students**

## **EDITORIAL COMMITTEE**

**Name of Editors:**

**Ms. M. Anitha**

Head of the Department/CSBS

**Dr. E. Dhivya**

Asst.Professor Dept of CSBS

**Student members:** Karthi. P (III / CSBS)

Sabari. M (II / CSBS)

**Publisher:** Department of Computer Science and Business Systems

## **Mission of the Department**

### **❖ Bridge Technology and Business:**

To develop professionals who can seamlessly integrate computer science knowledge with business processes, enabling innovation and digital transformation in organizations.

### **❖ Industry-Relevant Curriculum:**

To deliver a curriculum that combines core computer science skills with understanding of business fundamentals, aligned with current and emerging industry needs.

### **❖ Foster Ethical and Responsible Leaders:**

To cultivate graduates who are not only technically proficient but also possess strong ethical values, communication skills, and a sense of social responsibility.

### **❖ Promote Innovation and Research:**

To encourage innovation, problem-solving, and research in areas where business and technology intersect, such as data analytics, AI in business, and digital systems.

### **❖ Prepare for Global Careers:**

To equip students with global competencies, preparing them for diverse career opportunities in IT, consulting, entrepreneurship, and business strategy.

### **❖ Collaborate with Industry:**

To establish strong ties with industry partners for internships, projects, and knowledge exchange, ensuring students gain practical and up-to-date experience.

## **Vision of the Department**

To provide the best opportunity to the students to attain technical excellence in the field of Computer Science and Business Systems Engineering and to produce competitive and versatile computer engineers.

## **Programme Educational Objectives (PEOs)**

- ❖ PEO1 (Fundamental Knowledge):** To ensure graduates will be proficient in utilizing the fundamental knowledge of basic sciences, mathematics, Computer Science and Business systems for the applications relevant to various streams of Engineering and Technology.

- ❖ **PE02 (Core Competencies):** To enrich graduates with the core competencies necessary for applying knowledge of computer science and Data analytics tools to store, retrieve, implement and analyze data in the context of business enterprise
- ❖ **PE03 (Professional Career):** To enable graduates to gain employment in organizations and establish themselves as professionals by applying their technical skills and leadership qualities to solve real world problems and meet the diversified needs of industry, academia and research
- ❖ **PE04 (Multifaceted Aspects):** To equip the graduates with entrepreneurial skills and qualities which help them to perceive the functioning of business, diagnose business problems, explore the entrepreneurial opportunities and prepare them to manage business efficiently.

### **Programme Outcomes (POs)**

#### **Engineering Graduates will be able to:**

- ❖ **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ❖ **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- ❖ **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- ❖ **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- ❖ **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- ❖ **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- ❖ **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- ❖ **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- ❖ **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- ❖ **Communication:** Communicate effectively on complex engineering activities with

the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- ❖ **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- ❖ **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

### **Programme Specific Outcomes (PSOs)**

**At the end of the programme, the graduates will be able to:**

- ❖ **PSO1:** To create, select, and apply appropriate techniques, resources, modern engineering and business tools including prediction and data analytics to complex engineering activities and business solutions
- ❖ **PSO2:** To evolve computer science domain specific methodologies for effective decision making in several critical problem domains of the real world.
- ❖ **PSO3:** To be able to apply entrepreneurial skills and management tools for identifying, analyzing and creating business opportunities with smart business ideas.
- ❖ **PSO4:** To manage complex IT projects with consideration of the human, financial, ethical and environmental factors and an understanding of risk management processes, and operational and policy implications

### **About the Department**

The Department of Computer Science and Business Systems (CSBS) at Kingston Engineering College, Vellore, was launched in 2022 with a vision to bridge the gap between cutting-edge technology and dynamic business needs. The CSBS program offers a unique blend of core computer science subjects with business system insights, preparing students for roles in both the tech and business domains.

Right from its inception, the department has focused on holistic development—equipping students with skills in AI, Machine Learning, data analytics, cloud computing, core programming concepts like C, OOPS, Python and business strategy, while also nurturing leadership, communication, and ethical values. The curriculum is designed to be industry-relevant and future-ready, helping students adapt to the rapidly evolving digital world.

With experienced faculty, hands-on learning, guest lectures, and industry interactions, CSBS has quickly become one of the most dynamic departments in the college. It serves as a launchpad for students aspiring to become tech-driven business leaders and innovative entrepreneurs. With a strong vision for excellence, the CSBS department is committed to nurturing the next generation of tech-savvy business leaders and entrepreneurs, ready to thrive in a digitally driven global economy.

As the department continues to grow, it remains committed to excellence in education, research, and real-world impact.

### Lab Configurations:

#### **Business Analytics Lab:**

**Processor:** Pentium(R) Dual core CPU 2.50 GHz, 8 GB RAM, 480 GB SSD

## **Faculty Participations**

### **1. MS.M. Anitha:**

#### Roles and Events:

**Jury Member** for the event Sci-code debug at SPEKETRA 2K25, A National Level Technical Symposium conducted by the department of Science and humanities at Kingston Engineering College. Sci-Code Debug is an exciting and intellectually stimulating error-hunt debugging event conducted at Kingston Engineering College. Designed to test participants' logical thinking and programming skills, the event challenges students to identify and fix errors in code within a limited timeframe. (May 2025)

### **2. Dr. E.Dhivya:**

#### Roles and Events:

**Jury Member** for the Smart India Hackathon (SIH) 2024 Nomination at the Kingston Engineering College. SIH is a premier nationwide initiative designed to engage students in solving some of the most pressing challenges faced in everyday life. It provides a dynamic platform for students to develop and showcase their creative solutions to real-world problems. By encouraging participants to think critically and innovatively, the hackathon aims to bridge the gap between academic knowledge and practical application. (September 2024)

## **FDP, Workshops, Journals and Conferences attended by our Faculties**

### **1. Ms.M.Anitha**

- ❖ Successful participation in training of “Mastering UI/UX in 2025: Tools, Techniques and Trends” on Jan 05 2025 at GUVI.
- ❖ Effective fulfillment of FDP on “Fundamentals of Machine Learning”, conducted by Electronics and ICT academy, C-DAC Hyderabad, Supported by ministry of Electronics and Information Technology, Govt of India, from Dec 20-24 2024.
- ❖ Successful accomplishment of AICTE Training and Learning (ATAL) Academy Faculty development Program on High Performance Computing: Transforming Research through Advanced Technology at Jeppiaar Institute of Technology from 16-12-2024 to 21-12-2024.
- ❖ Successful accomplishment of AICTE Training and Learning (ATAL) Academy Faculty development Program on Enhancing Cyber threat detection through incorporating digital technologies at VelTech Ranagarajan Dr.Saguntala R&D Institute of Science and Technology from 09-12-2024 to 14-12-2024.
- ❖ Successful completion of the Infosys Springboard certification course on Applied generative AI certification on Dec 24 2024.

### **2. Dr. E.Dhivya**

- ❖ Successful completion of the faculty training on Artificial Intelligence on 28-02-2025 at ZeAI Software Solution, Chennai.
- ❖ Earned certification for completing the Faculty Development Program on “Fundamentals of Machine Learning,” conducted by Electronics and ICT Academy, C-DAC Hyderabad, under the Ministry of Electronics and IT, Govt. of India, held from December 20 to 24, 2024.
- ❖ Achieved Infosys Springboard certification in Applied Generative AI on December 24, 2024.

- ❖ Successfully completed the NPTEL course “Python for Data Science” with FDP credit, securing an Elite certification with a score of 87% and ranking in the top 2% of participants during the Jan–Feb 2025 session.

### 3. Mrs. R. Beulah Joice

- ❖ Successfully accomplished AICTE Training and Learning (ATAL) Academy Faculty development Program on Building Healthy and sustainable Educational environment: legal and Policy insights at A.V.C college of Engineering from 03-02-2025 to 08-02-2025

### 4. Mrs. R. Archana

- ❖ Participated in **UmanageTN 2025**, organized by the Government of Tamil Nadu on January 9–10, engaging with thought leaders, industry experts, and academic peers in a dynamic tech and innovation forum.

## Faculty Visits to Industry



- ❖ Faculty members participated in **UmanageTN 2025**, a flagship technology and innovation event organized by the Government of Tamil Nadu, held on January 9–10. The event brought together policymakers, industry leaders, startups, and academia to foster collaboration and drive tech-forward initiatives.



- ❖ Faculty members visited Systech Solutions Pvt. Ltd., Chennai, on 23rd January 2025 as part of an industry outreach initiative to understand current practices and technologies and to strengthen academia-industry collaboration.



- ❖ On July 8, 2024, our faculties visited Bahwan CyberTek, Chennai, as part of an industry engagement initiative to understand current technological trends and collaborative opportunities.



- ❖ Faculty members visited **CSIR**, Chennai, on July 8, 2024, to explore ongoing research initiatives and discuss opportunities for collaborative projects in science and technology.



- ❖ On July 15, 2024, faculty members visited Infoview, Chennai, to understand the latest industry methodologies and explore potential partnerships in cutting-edge technologies.



- ❖ Faculty members visited **Infosys, Chennai**, on July 15, 2024, to familiarize themselves with evolving technology trends and discuss opportunities for institutional collaboration and knowledge exchange.



- ❖ Faculties visited **TANSAM** on June 22, 2024, to explore its advanced manufacturing ecosystem designed to support MSMEs and students across Tamil Nadu. The facility is poised to accelerate innovation and skill development in key sectors such as Aerospace, Defense, Automotive, and Electric Vehicles. The visit offered valuable insights into the future of industry-ready infrastructure and collaboration.

## **Department Events**

- ❖ On February 8, 2024 a Cybercrime Awareness event titled "Cyber Resilience Navigation" held for students from the CSE, IT, AI&DS, and CSBS departments. The event included judges as HOD of Mechanical Engineering and the HOD of Electronics and Communication Engineering, along with a drawing competition on cybercrime awareness.
- ❖ **III Year CSBS students** visited **Excerpt Technologies Pvt. Ltd., Bangalore**, on March 28, 2025, as part of an industrial exposure program. The visit offered practical insights into software development processes and industry practices. It enriched students' understanding of real-time project environments and professional workflows.
- ❖ Girl students of III Year participated in a **3-day Career Development Training Program** organized by the **Naandi Foundation** from April 2 to 4, 2025. The program focused on enhancing employability skills, communication, and confidence building. It provided valuable guidance to help students prepare for future career opportunities.
- ❖ **II Year CSBS students** undertook an industrial visit to **HTGE Technologies Pvt. Ltd. Villupuram**, on April 19, 2025. The visit provided insights into real-world applications of emerging technologies and industry workflows. Students gained valuable exposure to current trends in the tech industry.

## **Student Extra-curricular**

### **1. Bhavyasree G.R. (II Year, Reg .No: 511323244005)**

- ❖ Selected as the second top performer in the Vellore district under the Student Domain category through the quiz competition conducted by **Kashi Tamil Sangam 3.0** on February 2025.
- ❖ Actively participated in the Tamil Speech Competition held on May 10, 2023, as part of the **Semmozhi Naal Vizha celebrations**. The event showcased students' eloquence and deep appreciation for the richness of the Tamil language. It encouraged cultural pride and linguistic expression among the participants.
- ❖ Actively participated in district level speech competition at voorehes college vellore conducted by TamilNadu state Minorities Board.

## **2. Oppiliyappan M.P. (III Year, Reg.No: 511322244018)**

- ❖ Secured first place in volleyball at Anna University Zonal Tournament 2024-2025 held on Nov 2024.

## **Workshop/Symposium/Paper Presentation attended by the Students:**

### **1. Sathyasadhana. S ( III Year, Reg.No: 511322244025)**

- ❖ Participated in paper presentation at Eloquence'24, 7th National level Symposium at C.Abdul Hakeem College of Engineering and Technology.

### **2. Divya. K ( III Year, Reg.No: 511322244005)**

- ❖ Participated in paper presentation at Eloquence'24, 7th National level Symposium at C.Abdul Hakeem College of Engineering and Technology.

### **3. Priyanka. S ( III Year, Reg.No: 511322244019)**

- ❖ Participated in paper presentation at Eloquence'24, 7th National level Symposium at C.Abdul Hakeem College of Engineering and Technology.

### **4. HariniSree. S ( III Year, Reg.No: 511322244009)**

- ❖ Participated in paper presentation at Eloquence'24, 7th National level Symposium at C.Abdul Hakeem College of Engineering and Technology.

### **5. Bhavyasree. G.R ( II Year, Reg.No: 511323244005)**

- ❖ Participated in paper presentation at Eloquence'24, 7th National level Symposium at C.Abdul Hakeem College of Engineering and Technology.

### **6. Swetha. S ( II Year, Reg.No: 511323244029)**

- ❖ Participated in paper presentation at Eloquence'24, 7th National level Symposium at C.Abdul Hakeem College of Engineering and Technology.

### **7. Nivethitha. K.V ( II Year, Reg.No: 511323244019)**

- ❖ Participated in paper presentation at Eloquence'24, 7th National level Symposium at C.Abdul Hakeem College of Engineering and Technology.

### **8. Nivethitha. K.V ( II Year, Reg.No: 511323244019)**

- ❖ Participated in paper presentation at Eloquence'24, 7th National level Symposium at C.Abdul Hakeem College of Engineering and Technology.

## **TOPPERS LIST**

### **ANNA UNIVERSITY EXAMINATIONS**

**November/December - 2024**

| S.No | Year     | Rank | Registration No. | Student Name      | Sem |
|------|----------|------|------------------|-------------------|-----|
| 1    | II CSBS  | 1    | 511323244024     | M. Sabari         | 4   |
| 2    |          | 2    | 511323244027     | C. Shobana        | 4   |
| 3    |          | 3    | 511323244002     | P. Atchaya        | 4   |
| 4    | III CSBS | 1    | 511322244013     | S. Mathumitha     | 6   |
| 5    |          |      | 511322244019     | S. Priyanka       | 6   |
| 6    |          | 2    | 511322244002     | M.Baviya          | 6   |
| 7    |          |      | 511322244009     | S. Harini Sree    | 6   |
| 8    |          | 3    | 511322244001     | G. Archana        | 6   |
| 9    |          |      | 511322244004     | J. Dharshan       | 6   |
| 10   |          |      | 511322244005     | K. Divya          | 6   |
| 11   |          |      | 511322244014     | B. Monica         | 6   |
| 12   |          |      | 511322244018     | M.P. Oppiliyappan | 6   |
| 13   |          |      | 511322244022     | V. Salini         | 6   |

## GLIMPSE OF EVENTS AND STUDENT PARTICIPATIONS





