



### *Courses Offered*

**B.Tech & Ph.D.**  
**Computer Science and  
Business Systems**



# COMPUTER SCIENCE AND BUSINESS SYSTEMS

## **Vision**

Academic and research excellence in computer science fostering responsible global business leaders.

## **Mission**

- To attain academic excellence in computer science and business systems through a creative teaching learning process and industry driven skill development
- To drive innovation and tackle global challenges through rigorous research and development, towards societal advancements.
- To transform the students into technically competent engineers with strong ethical values.
- To engage in talent nurturing programs by integrating frontier technology with business competence and be a catalyst for development.

## Department Overview

B.Tech in Computer Science and Business Systems is an industry (TCS) collaborated program. Curriculum is designed as per the National Educational Policy (NEP). The program is designed to equip students with technical expertise in computer science and a strong understanding of business principles. The course addresses the evolving needs of the IT and business industries, blending core computer science concepts with business intelligence. The course handling faculty members are trained by Tata Consultancy Services.

### Department Highlights

- Curriculum designed in collaboration with TCS.
- Blend of Courses from Computer Science, Finance and Management.
- Joint Teaching with Professors from IISc, BIM, IMSc, The Wharton School, Florida, USA.
- Adjunct Faculty from IISC, TSM.
- Usage of Competitive Coding platforms as a part of lab exercises.
- Promoting Entrepreneurship skills – Our students hold 5 Pre- Incubating projects at TCE-TBI.

**11** Total Faculty strength

**01** Professor

**01** Associate Professor

**09** Assistant Professors

**02** Technical Staff

**01** Supporting Staff

**03** Ph.D. Scholars

### Programme Highlights

The salient features of the CSBS programme are as follows:

- More focus on Digital Technologies in Computer Science
- Understanding of Technology Abstraction
- Hands-on exposure to real-life business projects and their successful execution
- Enhancement of Innovation ability
- Build strong Ethics and Life Values

**Patents - 04**

**Citations - 1201**

**Grants - 01**

Dr. P. Chitra has received funding from AICTE for the project titled "Accelerating the machine learning models for sacrificial anode-based corrosion protection method for engineering systems", sanctioned for the period 2022 to 2025, with a total grant amount of ₹5,69,000/-.

## Industry & Academic Partnership





## Faculty Achievements

- Dr. P. Chitra mentored a student team that won a Consolation Prize of ₹25,000 in the FAER Scholar Program 2023–2024
- Dr. P. Suganthi received an Appreciation Prize of ₹25,000 as a mentor in the GST Analytics Hackathon 2025
- Ms. R. Subhashni secured a Second Prize of ₹50,000 as a mentor in the Honeywell Hackathon 2025 and completed the Summer Faculty Research Fellowship at IIT Delhi in 2024.
- Mr. M. Gowtham Sethupathi received the Best Paper Award at the 2nd International Conference on Contemporary Challenges in Science and its Engineering Applications (IC3SEA 2024) held in Coimbatore.
- Our Department Faculty are awarded with Elite Silver and Gold medals in various courses such as NPTEL, Coursera and IUCEE.

## Technical expertise of students

Smart India Hackathon 2022, First Prize (Cash Award of 1 Lakh)



BIACONF 2022 Datathon at IIM Bangalore, First Prize (Cash Award of ₹25,000)

IdeaHarvest 2024, Second Prize



Innowah Hackathon, IITM PALS 2024  
First Prize (Cash Award of ₹15,000)



Accenture Innovation Challenge 2023, First Prize,



Balsu's Business Quiz 2025, First Prize

## Pre- Incubators at TCE-TBI



### Vivid

Vivid is a startup dedicated to helping other startups grow, whether you're just starting or facing growth challenges. We offer services from brand design to strategies that ensure your startup reaches and impresses stakeholders, driving success.



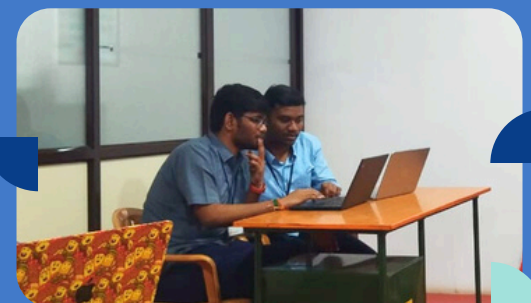
### Solvify

Solvify, founded by five students from the Computer Science & Business Systems Department, is a startup focused on tackling societal challenges with innovative, market-driven solutions. Pre-incubated at Thiagarajar College of Engineering, Madurai. We aim to create impactful changes.



### Kyouti.Co & Energize

Kyouti Co is an AI-powered platform transforming personalized gifting through handcrafted crochet items, empowering women artisans with tools and community support. Energize aims to make India's residential sector 100% renewable by enabling cost-effective solar energy solutions for self-sufficiency.



### Circlo

Circlo tackles inefficient waste disposal with a smart, reward-based recycling system. Using the Circlo app, users can track their impact as CircloBins automatically sort waste for recycling. They earn EcoBucks, redeemable for discounts, eco-friendly products, and donations. They can share their contributions within the app, encouraging more responsible recycling.

## Laboratories Infrastructure



Block Chain Lab



Agile Lab



Smart and Secure  
Environment Lab



Integrated Business  
Application Lab

## MOOC Courses Offered

- Fundamentals of Business Intelligence & Analytics
- Tools for Data Analytics

## Placements



**Highest Package**  
**13 LPA**



**Average Package**  
**9 LPA**



**Lowest Package**  
**3.75 LPA**

## Alumni Testimonials



**RAMYAVARSHINI P**  
2020 – 2024

At Thiagarajar College of Engineering, I developed academically and professionally, serving as the General Treasurer of CSBS Association and participating in hackathons. This experience, along with placement coaching, led to securing a 12 LPA position at Caterpillar Inc., Chennai.

**SUDHARSAN R**  
2020 – 2024

While studying at Thiagarajar College of Engineering, I honed my technical and problem-solving skills through hackathons and social initiatives with NSS. The college's placement training helped me secure a 13.3 LPA position at Athenahealth, Bangalore.



**ASHOK KUMAR K S**  
2020 - 2024

During my time at TCE, I served as the Chief Financial Officer of E-CELL, Class Representative, Joint Secretary, and General Secretary of the CSBS Association, while also being an active member of NCC, Visual Arts Club, and English Club. These roles, along with my success in hackathons, helped me secure a placement at a US-based FinTech company at Chennai.

### Contact

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