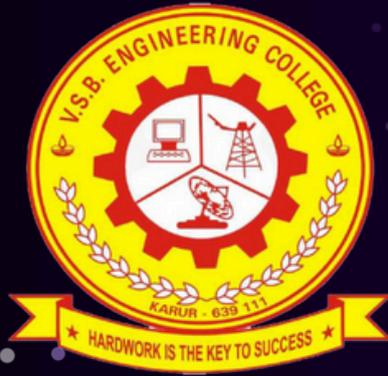


E C E

NEWS LETTER
2025 - 2026



V.S.B. ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)

ABOUT THE COLLEGE



Shri.V.S.Balsamy, B.Sc., L.L.B., a leading luminary, has 31 years of bright standing in the field of law. He is the recipient of “Indira Gandhi Sadhbavana Award” from Global Economic Council, New Delhi. He was also honoured with “The Best Humanitarian Award” in 2005.

He is the Founder Trustee of V.S.B. Educational Trust, built in the year 2000. He initiated the education foundation and established engineering Colleges named V.S.B. Engineering College, Karur and V.S.B. College of Engineering Technical Campus, Coimbatore. As the Chairman of V.S.B. Group of Institutions, he lays emphasis on ‘Hard work’ , and Strongly believes that ‘Hard work is the key to success’ , it is conceived as the motto of the Institutions.

ABOUT DEPARTMENT

The department of Electronics and Communication Engineering was started in the year 2002 with an intake of 60. In 2006, it was increased from 60 to 120 and in 2012, it was increased from 120 to 180. The department has highly educated Faculty members having a vast experience in their field. Students are given education as well as training exposure in order to get placed in highly reputed Industries. The department has well equipped Laboratories.

Symbiosis between placement cell and the Department helps the students to achieve the best of the Jobs for their careers. Proper Industrial interaction is given to the students by organizing National level workshops in the Campus. For events, eminent personalities from industry and educational institutions are invited to the campus for student's interaction and guidance. The students had presented their talents in the form of practical projects and papers, which were seen and assessed by the invited personalities; they also had an interaction directly with the students in which they suggested measures to further improve the quality of the creativity. Exposure as well as training is provided to the students for advanced studies and various guest lecturers and Mock campus interviews are conducted time to time to facilitate the students and create awareness.

Industry visits and practical projects are also encouraged by the department in various sectors; students are taken out to industries for practical understanding of the technology. The students of the department have proven the quality of education provided to them by receiving awards in National as well as International level conferences. They have also received ranks on state level in the Anna University results of engineering examinations. To add on the feathers in the cap, students are also placed in reputed companies such as Tata Consultancy services (TCS), Capgemini, Wipro, Altran, HCL, CTS, L&T Infotech, IBM, Tessolve, Infosys, SONY, Mind Tree, etc.

VISION

To produce academically excellent and socially responsible engineers in Electronics and Communication Engineering.

MISSION

- To provide good fundamental knowledge in sub-domains of Electronics and communication Engineering.
- To offer an efficient teaching learning process with a focus on problem solving skills, analytical skills and technical skills.
- To inculcate competency, innovative spirit, communication and managerial skills to create socially responsible Engineers.
- To encourage the students to pursue higher studies and research activities.

PROFESSIONAL MEMBERSHIP



PEO'S

PEO1: The Graduate of the program will be able to provide solutions to the real world Complex problem in the society.

PEO2: The Graduates of the program will be able to adapt to the emerging technologies with Active participation in professional activities to build career skills for prosperous career in organization or higher studies and research.

PEO3: The Graduates of the program will be able to exhibit and demonstrate leadership skills with ethical values in their profession.

PSO'S

PSO1: Apply Knowledge related to core and specialized fields like Electronic circuits, Embedded and Communication Systems to Solve complex Engineering/Societal Problems.

PSO2: Able to Expose Students Programming skills using latest tools to arrive cost effective and appropriate solutions.

PSO3: Apply the contextual Knowledge with professional Ethics to manage different projects in multi disciplinary environment.

CHAIRMAN'S MESSAGE



SHRI V.S.BALSAMY

FOUNDER - CHAIRMAN

Our institution stands as a beacon of knowledge and discipline, striving towards the pinnacle of educational excellence by offering world-class education of the highest quality and diversity. In a short span of time, we have become a benchmark among colleges in india, committed to meeting and exceeding the standards set by the university norms. The college management, faculty members, and staff work tirelessly with the vision of placing V.S.B. Engineering college at the forefront of the academic landscape. By providing state-of-the-art facilities and fostering an environment of continuous learning, we empower our students to achieve both academic and moral excellence. I warmly welcome all students who are determined to excel academically and uphold strong ethical values to join the V.S.B. Educational family. Together, we aim to mold graduates into world-class professionals. I also extend an open invitation to entrepreneurs and recruiters to conduct campus recruitment drives at our institution. I assure you that our students, equipped with exceptional skills and knowledge, will prove to be valuable assets to your organizations, fostering mutual growth and development.

HOD'S MESSAGE

DR.R.POORNACHANDRAN

HOD (ECE)

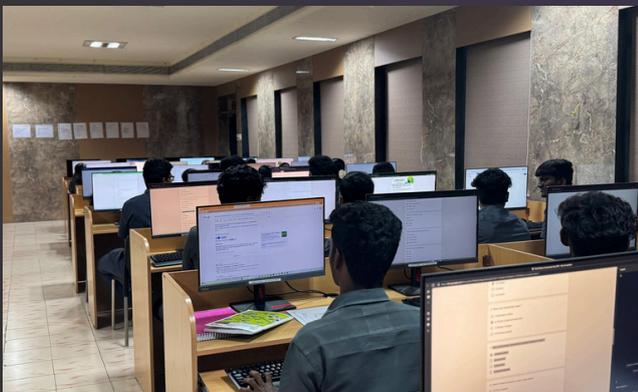
This past year has been unique, to say the least. Our students adapted remarkably, embracing both remote learning and hybrid models to continue their education journeys. While maintaining strong bonds between themselves, presented challenges, we persevered. I am incredibly grateful for the unwavering support of our students, faculty, parents, and alumni. This challenging time also presented unexpected opportunities. We fostered stronger virtual connections with our alumni and parents, further solidifying our department's community. This department magazine is a testament to the creativity and knowledge that thrives within our walls. As you delve into these pages, you'll discover the exceptional work of our faculty and students.

MR.P.ANANDHAKUMAR

HOD (ECE)

It is my pleasure to lead the Department of Electronics and Communication Engineering at VSB Engineering College. We offer a B.E. (Honours) degree program in Electronics Communication, equipping students with the knowledge and skills they need for success in the ECE industry. Our department boasts a team of highly qualified, experienced, and dedicated faculty members. We foster a learning environment that emphasizes hands-on experience with current technologies and programming languages, ensuring our motivated students are well-prepared for their careers. The department consistently produces outstanding graduates who regularly achieve top positions in the university. Many of our graduates go on to work in core fields of Electronics and Communication Engineering.

INFRASTRUCTURE & LABORATORIES



RESEARCH HIGHLIGHTS

30

**PAPERS
IN 25-26**

11

**PATENTS
IN 25-26**

03

**BOOKS
IN 25-26**

50

**FDP'S
IN 25-26**

The ECE Department takes great pride in the remarkable research accomplishments of our esteemed faculty members this academic year. Your scholarly contributions have significantly advanced our department's intellectual footprint across multiple domains.

These achievements exemplify our faculty's dedication to pushing the boundaries of knowledge and fostering academic excellence.

NPTEL & OTHER CERTIFICATIONS

FACULTY

TOTAL
42

NPTEL & OTHER COURSES

- Based on the records for the 2025-2026 academic year, the following are the names of the NPTEL and associated certification courses completed by the faculty and students:
- Faculty: NPTEL and Online Courses
- The faculty members completed courses through NPTEL, SWAYAM, Infosys Springboard, and the National Institute of Electronics and Information Technology (NIELIT).
- VLSI Interconnects.
- Optical Wireless Communications for Beyond 5G Networks and IoT.
- VLSI Design Flow: RTL to GDS.
- Introduction to Wireless and Cellular Communications.
- Digital Image Processing.
- Microelectronics: Devices to Circuits.
- Power Electronics with Wide Band Gap Devices.
- Electronic Modules for Industrial Applications using Op-Amps.
- Introduction to Internet of Things.
- OBE and Accreditation.
- Embedded for Beginners (NIELIT).
- VLSI for Beginners (NIELIT).
- Introduction to MATLAB & Simulink (NIELIT).
- Micropython for Beginners (NIELIT).
- IoT & Electronics Course (Infosys Springboard).
- Basics of Electronics & Programming (Infosys Springboard).
- Raspberry Pi Course (Infosys Springboard).
- Programming-Robo Pro Coding (Infosys Springboard).
- Wireless Evolution and 4G LTE Overview (Infosys Springboard).

STUDENTS

TOTAL

44

NPTEL & OTHER COURSES

- Students: NPTEL and Online Courses
- Students participated in NPTEL courses as well as various professional certification programs through Infosys Springboard and Simplilearn.
- Hardware Modeling using Verilog.
- Introduction to Semiconductor Devices.
- Programming In Java.
- Introduction to Internet of Things.
- Digital Circuits.
- Electronic Systems Design: Hands-on Circuits and PCB Design with CAD Software.
- C-Based VLSI Design.
- Python for Data Science.
- Cyber-Security and Privacy.
- Python Foundation Certification.
- Java Foundation Certification.
- Artificial Intelligence Primer Certification.
- Principles of Generative AI Certification.
- TechA Python Programming Foundation Certification.
- TechA Data Analytics using Power BI Foundation Certification.
- TechA Data Visualization using Power BI Certification.
- Angular Web Developer Certification.
- Salesforce Training: Master the essentials.
- Artificial Intelligence Foundation Certification.

TECHNICAL EVENTS

LIRO 2K25

The Department of Electronics and Communication Engineering, along with the Electronics Club, successfully organized the "LiR 2K25" Line Follower Robot Competition on Tuesday, October 28, 2025, at the Dr. V.C.K. Auditorium. The event featured two intense stages—a qualifying race and a final showdown—where students demonstrated their expertise in robotics and programming. The competition highlighted the participants' technical excellence and innovative spirit in the field of autonomous navigation.



The poster for the LiR 2K25 Line Follower Robot Competition is blue and white. At the top, it features logos for V.S.B. Engineering College, NBA, NAAC, and a 24-hour accreditation. Below these, it states "DEPARTMENT OF ECE IN ASSOCIATION WITH ELECTRONICS CLUB PROUDLY PRESENTS LINE FOLLOWER ROBOT COMPETITION". The main title "LiR 2K25" is in large, stylized letters, with an illustration of a robot car. To the right, there are three gold medals labeled 1st, 2nd, and 3rd. Below the title, it says "TWO STAGES OF COMPETITION: STAGE-1: QUALIFYING RACE STAGE-2: FINAL RACE". The date is "28th OCT 2025" and the venue is "DR. V.C.K. AUDITORIUM VSBECE". A QR code is labeled "REGISTER HERE". At the bottom, it lists the registration fee as "₹200 PER PERSON" and provides contact information for the Chairman, Vice Chairman, and Secretary, along with social media icons and the website "www.vsbec.edu.in".

ESCAPE ROOM

The Department of ECE, in association with the Electronics Club, successfully hosted the "ESCAPE ROOM" challenge on Saturday, September 27, 2025, at the DSP Lab. The event provided a thrilling environment for students to apply their technical knowledge and logic to solve complex puzzles. Participants showcased impressive teamwork and critical thinking skills as they worked together to "Escape with Knowledge" by tackling various electronics-based challenges.



The poster for the Escape Room challenge is green and white. At the top, it features logos for V.S.B. Engineering College, NBA, NAAC, and a 24-hour accreditation. Below these, it states "ELECTRONICS CLUB DEPARTMENT OF ECE ORGANIZES ESCAPE ROOM". The main title "ESCAPE ROOM" is in large, bold letters, with an illustration of a door and a key. Below the title, it says "Unlock the Challenge. Escape with Knowledge." The date is "27th SEP 2025" and the venue is "DSP-LAB (ECE) VSBECE". A QR code is labeled "REGISTER HERE". At the bottom, it lists the contact information for the Chairman, Vice Chairman, and Secretary, along with social media icons and the website "www.vsbec.edu.in".

TECHNO-THRUST

The Department of Electronics and Communication Engineering, in association with the Electronics Club, successfully organized the event "TECHNO-THRUST" on Saturday, August 30, 2025, at the ME-LAB (ECE). Centered around the theme "Thrust, Transform, Triumph", the event provided students with a dynamic platform to explore emerging technologies and demonstrate their technical prowess. Participants engaged in thought-provoking sessions, showcasing their ability to transform complex concepts into successful engineering solutions.

The poster for the TECHNO-THRUST event features a blue and white color scheme with a circuit-like background. At the top, it displays the V.S.B. Engineering College logo and accreditation details from NBA, NAAC, and a 24-year anniversary badge. The main text reads "ELECTRONICS CLUB DEPARTMENT OF ECE ORGANIZES TECHNO-THRUST" with the tagline "THRUST • TRANSFORM • TRIUMPH". The event details are: DATE: 30th AUG 2025, VENUE: ME-LAB (ECE) VSBEC. A QR code is provided for registration. The bottom section lists the organizing committee: Shri. V.S.BALSAMY (Chairman), Shri. B. SATHEESH KUMAR (Vice Chairman), and Shri. B. VIJAY (Secretary). Social media icons and the website www.vsbec.edu.in are also included.

The poster for the CIRCUIT CRAZE event has a warm, orange-toned background with a blurred image of a breadboard. It features the V.S.B. Engineering College logo and accreditation details. The main text reads "ELECTRONICS CLUB DEPARTMENT OF ECE ORGANIZES CIRCUIT CRAZE". The event details are: DATE: 26/07/2025, AT 2:00 PM - 4:00 PM, VENUE: MB-I (DSP Lab) VSBEC. A QR code is provided for registration. The bottom section lists the organizing committee: Shri. V.S.BALSAMY (Chairman), Shri. B. SATHEESH KUMAR (Vice Chairman), and Shri. B. VIJAY (Secretary). Social media icons and the website www.vsbec.edu.in are also included.

CIRCUIT CRAZE

The Department of ECE, through its Electronics Club, successfully conducted the hands-on event "CIRCUIT CRAZE" on Saturday, July 26, 2025, at the DSP Lab (MB-I). Held from 2:00 PM to 4:00 PM, the session focused on practical circuit design and debugging, offering students a valuable opportunity to refine their technical skills. Participants displayed great enthusiasm and precision as they worked through intricate hardware challenges, reinforcing their foundational knowledge through real-world application.

TRAINING THROUGH CENTRE OF EXCELLENCE

Language



A programming language writes instructions for computers, like Python, Java, and C++.

AWS Cloud



Cloud computing platform that offers a range of services, including storage, compute, networking.

Data Structures



Data structures organize data for efficient access including arrays, linked lists, stacks, and trees.

Full Stack



Oracle offers a comprehensive and fully integrated stack of cloud platform services

Networking



Capgemini is a global tech consulting firm offering IT services across industries.

Segue Training

HEXAWARE

Hexaware is a global IT services company specializing in digital transformation.

Google Cloud



High-performance infrastructure for cloud computing, data analytics & machine learning.

Testing



Tessolve specializes in semiconductor testing and engineering services.

IOT Networks



IoT is a network of connected devices that exchange data.

Security



Architectural Strategy for Robust and Scalable Systems

.Net Training

virtusa

A global IT services leader in digital transformation and innovation.

Low Code



PEGA

Pega is a software company offering no-code BPM and CRM solutions.

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HEAD OF THE DEPARTMENT

STUDENT : **SANJAI S (III - ECE)**
COORDINATOR'S