VSB COLLEGE OF ENGINEERING TECHNICAL CAMPUS

AN AUTONOMOUS INSTITUTION

(Accredited by NAAC with A+ Grade) (Approved by AICTE and Affiliated to Anna University) (*NBA Accredited Courses)
(Recognized under 2(f) of UGC ACT)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

RENERGY

24 - 25'

2nd

NEWS LETTER

About Our College

V.S.B

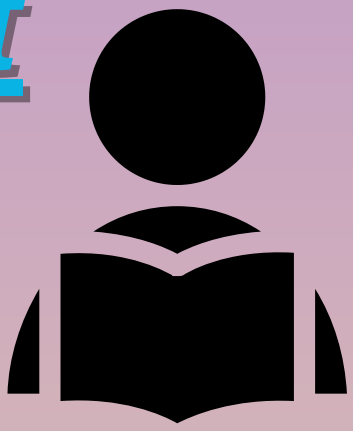
COLLEGE OF ENGINEERING TECHNICAL CAMPUS

CertifiedInstitutionVSB College of Engineering Technical Campus(AUTONOMOUS), Coimbatore, is an esteemedautonomous institution dedicated to academicexcellence and innovation. Approved by AICTE,New Delhi, and affiliated with Anna University,Chennai, the college is accredited by NBA for itsComputer Science Engineering (CSE), Electronicsand Communication Engineering (ECE), andElectrical and Electronics Engineering (EEE)programs. Additionally, it holds NAACaccreditation and is recognized by the UGC undersections 2(f) and 12(B), reflecting its higheducational standards and commitment tocontinuous improvement.

ApprovedbyAICTE, New Delhi,Affiliated to AnnaUniversity Chennai, Accredited by NBA(CSE, ECE & EEE) Accredited by NAAC,Recognized by UGCwith 2(f) & 12(B) & ISO 9001:2015 CertifiedInstitutionVSB

As an ISO 9001:2015 Certified Institution, VSBCollege adheres to stringent quality managementprinciples, ensuring superior educational offerings.The autonomous status provides the flexibility todesign and implement a dynamic curriculum thataligns with industry needs, equipping students withthe skills and knowledge required for professionalsuccess. The institution fosters a nurturingenvironment that encourages innovation, research,and holistic development, preparing students tomake significant contributions to society and excelin their careers

About the Department



Electrical and Electronics Engineering (EEE) is a branch of engineering that focuses on the study and application of electricity, electronics, and electromagnetism. It involves the design, development, and maintenance of electrical systems and electronic devices, ranging from small-scale integrated circuits to large power distribution networks. EEE is a broad field with numerous specializations and career paths, including power generation, transmission and distribution, automation, and renewable energy.

VISION AND MISSION OF OUR DEPARTMENT

Vision:

To become a forerunner in producing skilled graduates with strong foundation in Electrical and Electronics Engineering who can contribute proficiently for the betterment of the world.

Mission:

- To provide excellent infrastructure and enriched curriculum to train and develop highly competent engineers with research aptitude.
- To foster the skills of employability and entrepreneurship along with social responsibility among the students transforming them into intellectual professionals to support nation's growth.
- To motivate the students in gaining knowledge about the modern technologies to meet the dynamic industrial needs supporting lifelong learning.

FROM HOD'S DESK

I am delighted to present the 2024-25 2nd edition of RENERGY, which captures the vibrant pulse of our department through the last one. This edition brings to light the dynamic activities and student achievements that continue to define and enrich our academic community

PAPER PUBLISHED BY OUR STAFFS

Dr G BANU

TOPIC: **Artificial Intelligence Enabled Supervision Using Computer Vision**

Dr K P PARTHIBAN

TOPIC: **The IOT for Healthcare: uses, particular cases and difficulties**

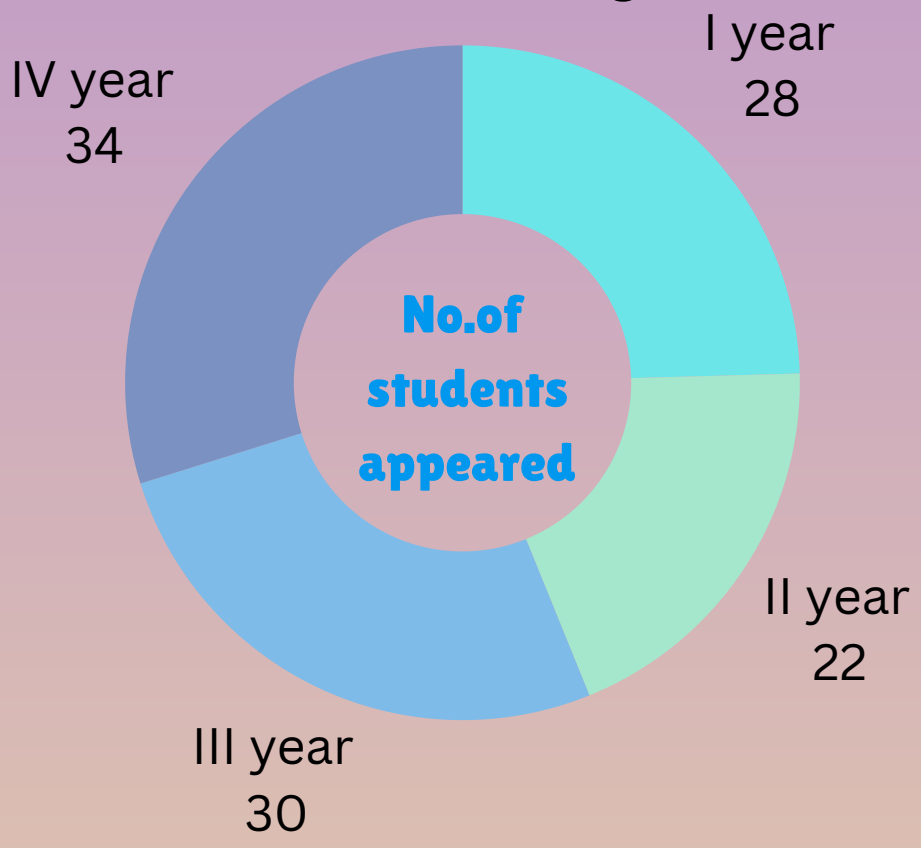
PATENT PUBLISHED BY OUR STAFFS

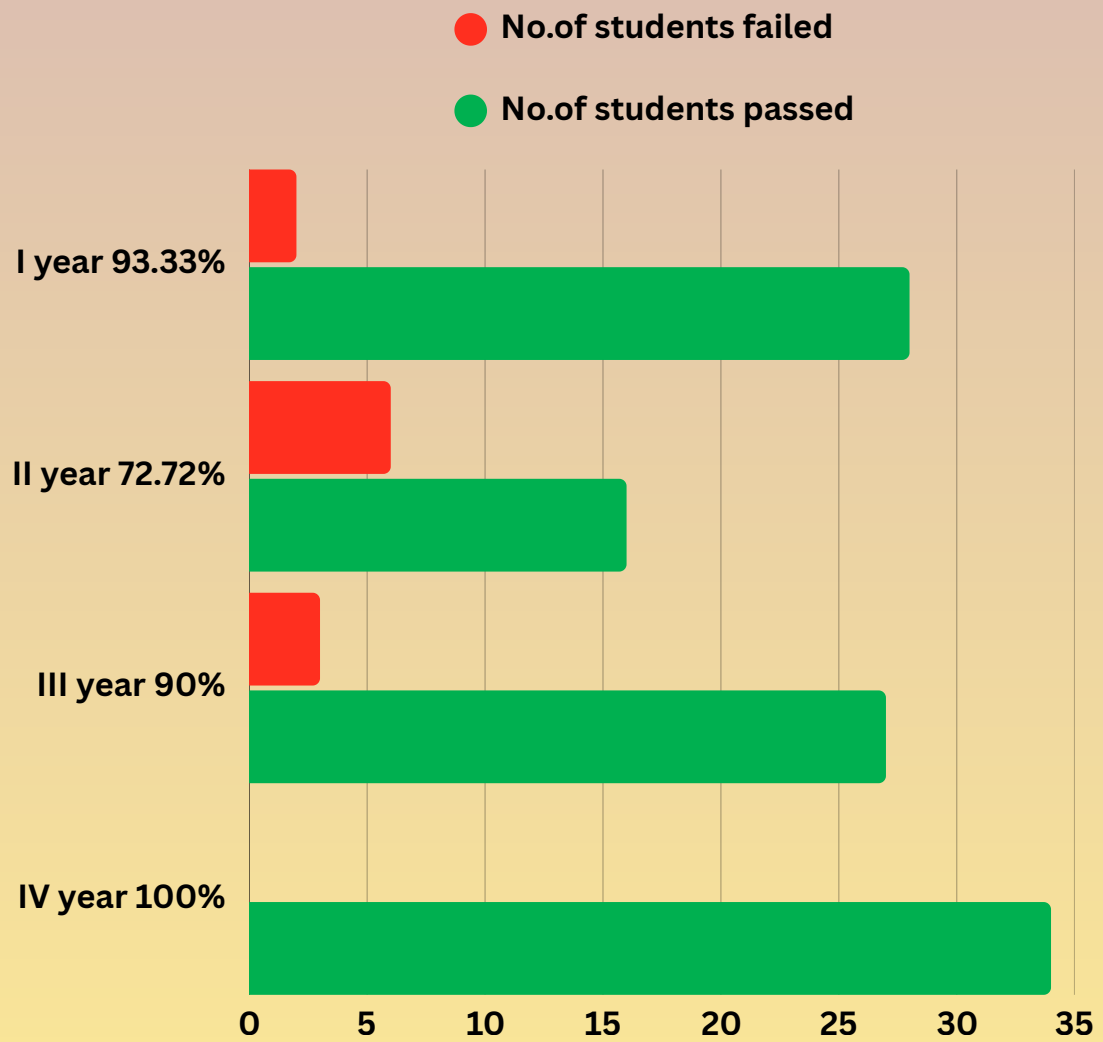
S.no	Date of Patent Published	Name of the Faculty	Title of the Patent	Patent Number
1	14 Feb 2025	Dr.K.P.Parthiban	AI Powered Security compassion for woman	202541008220A
2	21 Mar 2025	D.Velmurugan	Next-Generation Hybrid Energy Storage Integration Using Cascaded Multiport Converter for DC Microgrids	202541022266 A
3	21 Mar 2025	G.Selvaraj	INTERLEAVED LUO CONVERTER-FED ELECTRIC VECHILE BATTERY CHARGER INTEGRATED RENEWABLE ENERGY	202541022113 A
4	21 Mar 2025	D.Priyadharshini	ENERGY-EFFICIENT REMOTE MONITORING TECHNIQUES FOR EXTENDING DEVICE BATTERY LIFE AND ENHANCING PERFORMANCE IN EV	202541022995 A

PATENT PUBLISHED BY OUR STAFFS

5	28 Mar 2025	Dr.S BANU	ELECTRICITY THEFT DETECTION USING DEEP REINFORCEMENT LEARNING IN SMART POWER GRIDS	202541023024 A
6	25.4.2025	Dr.S. Dhasbensam	DUAL RENEWABLE ENERGY SYSTEM: SOLAR AND PELTIER-BASED BATTERY CHARGING	202541031877 A
7	09.5.2025	R. Ganeshan	ARTIFICIAL INTELLIGENCE BASED ELECTRICAL VEHICLE BATTERY CHARGING AND BATTERY MANAGEMENT SYSTEM	202541035819 A
8	9 May 2025	Dr.S BANU	DISTRIBUTION TRANSFORMER PROTECTION SYSTEM USING ARTIFICIAL INTELLIGENCE	202541035658 A
Total				8

Even semester 2024-25 Result Analysis





CLASS TOPPERS IN UNIVERSITY EXAM

II year

S. KALAIYARASI

(8.81-CGPA)

K. KRISHNAVENI

(8.67-CGPA)

S. DHARSHINI

(8.55-CGPA)

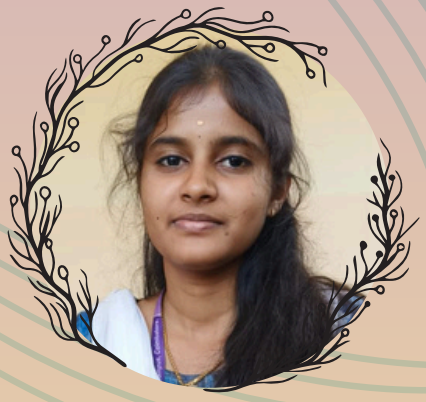
III year

S YUGESH

(8.92-CGPA)

N JANANI

(8.69-CGPA)



S HARINI

(8.52-CGPA)

IV year

P POOJA

(8.99-CGPA)

RUBINI

(8.89-CGPA)

A. Noorul Fahima

(8.86-CGPA)

PLACEMENT DETAILS
2224–25

ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENT PLACED IN 3 COMPANIES

MUTHUSIVAM S
THE NILGRIS
CAPGEMINI (4.25 LPA), HEXAWARE (4 LPA)
NISSI ENGINEERING (3.6 LPA)

STUDENTS PLACED IN 2 COMPANIES

DHARINEESH K M
ODDANCHATRAM
CTS (4 LPA)
NISSI ENGINEERING (3.6 LPA)

SIVARANJANI S
DINDIGUL
CAPGEMINI (4.25 LPA)
MAXOP (4 LPA)

NITHISH N M
THE NILGRIS
QUEST GLOBAL (3.75 LPA)
NISSI ENGINEERING (3.6 LPA)

STUDENTS PLACED IN 1 COMPANY

SUJITHA K
THE NILGRIS
SCHNEIDER ELECTRIC (5.5 LPA)

DARSHAN G
COIMBATORE
SPIC (5.5 LPA)

DARSHNI K
COIMBATORE
BOSCH (4.5 LPA)

ARAVINTHAN R
THIRUVARUR
RENECON (4.62 LPA)

KARTHIKA S
THE NILGRIS
CAPGEMINI (4.25 LPA)

KEERTHANA G
COIMBATORE
CAPGEMINI (4.25 LPA)

JANANI K
COIMBATORE
CAPGEMINI (4.25 LPA)

ATHISEN K
THIRUVARUR
NISSI ENGINEERING (3.6 LPA)

UBENDRA S
KARUR
NISSI ENGINEERING (3.6 LPA)

VIJAYAKANTH A
THE NILGRIS
NISSI ENGINEERING (3.6 LPA)

SAMADURAI M
TIRUNELVELI
NISSI ENGINEERING (3.6 LPA)

PLACEMENT DETAILS

2224–25

FACULTY MEETING

The key purposes of this meeting;

- Reviewing academic performance and progress of students.
- Discussing upcoming academic plans, internal assessments, or examination preparations.
- Planning co-curricular or departmental events.
- Addressing faculty responsibilities, class distribution, or student mentoring roles.
- Discussing any challenges faced by students and exploring support strategies.
- Enhancing teaching-learning methods through collaboration and feedback.

CLASS COMMITTEE

The meeting promotes healthy communication between students and faculty, ensuring that concerns are addressed promptly and that the course is delivered effectively.

A class committee meeting is conducted to evaluate and improve the teaching-learning process, address student concerns, and ensure academic quality.

It also helps to create a supportive academic environment where students can openly share feedback and faculty can take necessary steps for improvement.

Webinar
Conducted for Students Welfare

The session was conducted by **Mr. Jeejesh Kumar**, Advanced Systems Engineer at Honeywell Aerospace, Bengaluru. The resource person shared valuable insights into the principles, tools, and methodologies used for testing and measuring avionics systems, emphasizing their importance in ensuring safety, reliability, and performance in the aerospace industry.

The session was delivered by **Ms. Praveena** A, Embedded Developer at UST Global. She provided valuable insights into the growing role of electrical engineers in the automation industry, highlighting the integration of electrical systems with control technologies, robotics, IoT, and smart manufacturing processes.

The session was conducted by **Mr. Arun Vishnu**, B.E., Data Scientist in Hewlett Packard. He explained the critical concepts of identifying the right problems to solve, designing effective solutions, and aligning products with the needs of target markets. The discussion highlighted strategies for validating ideas, understanding customer requirements, and refining products to achieve better adoption and success in competitive markets.

EXTRA CURRICULAR ACTIVITIES

Thank you!

EDITOR AND DESIGN

HARI PRASATH I
III - EEE