

ELEXER 22

V.S.B ENGINEERING COLLEGE (AUTONOMOUS), KARUR

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Chairman's Message

Our college was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students.

The global standards set in the field of teaching and researches spur us on in our relentless pursuit of excellence. In fact, it has become a way of life for us. The highly motivated youngsters on the campus are a constant source of pride. Electrical and Electronics Engineering (EEE) shapes its students' future by fostering a teamwork approach to instruction, encouraging interaction with

faculty, providing access to high tech information, motivating them to develop new ideas and concepts, taking personal interest in students' career development and preparing them for success.

EEE has an ethos of its own, different from others. At a time when altruistic ideals and civic interests seem to have given way to power goals and heightened interest maintain status quo nor settle for observing change; they rather hope to be powerful instruments of change using their dynamic verve to make their contributions to the world. I look back with an enormous sense of pride, the amazing progress that the EEE department has made within a short span of time.

This would not have been possible without the valuable support and contribution of faculty, student community, parents and my well

wishers. I strongly believe that serious, sincere and systematic services, surely secure supreme success.



Shri. V.S. Balsamy
Founder - Chairman

Principal's Message

A Effective Source of Technical Manpower for the Nation and to contribute to the growth of the Nation by constantly upgrades the quality of Technical Education by meeting the challenges needs of the twenty first century and effectively coordinating and the activities of the Staff, Students and the Industry while keeping up the ethical and moral standards required.

EEE is a continuously evolving subject. As technology has advanced, so have the challenges facing the modern engineer. A silicon chip containing over 100 million transistors in an area no larger than a post age stamp is yesterday's news.

EEE is a subject that naturally partners with other disciplines to open whole new engineering avenues. Examples include Mechatronics - with Mechanical Engineering, Bio-medical Sciences-with Medicine and Avionics-with Aeronautics. The EEE Department at V.S.B. Engineering College prepares students in this field using new-age information and computer-intensive technologies.

The undergraduate degree courses offered by the department provide a comprehensive foundation in the core topics of EEE coupled with an area of specialization. The curriculum has been designed relevant to emerging engineering challenges to create professional

electrical and electronic engineers, who can serve in the fields of core electrical engineering, information and communication systems, and other related fields

The faculty in the department is a rich blend of personnel with industrial and professional experience. The dedicated staff members have sound knowledge in emerging areas like embedded systems, power electronics applications in power systems, expert systems, etc.

Volume 10, Issue 1

Newsletter Date

Special points of interest:

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- *Principal's Message*
- *Faculty Achievements*
- *Students Achievements*
- *Innovative Session*

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Vision and Mission

Vision

- To create dynamic and challenging electrical engineers with social responsibilities.

Mission

- To provide technical proficiency by adopting well defined teaching learning process.

- To create an environment to practice ethical codes.
- To prepare the graduates to be professionally competent to meet out the industrial needs.
- To motivate the students to pursue higher studies and research activities.



PEO & PSO

Program Educational Objectives

PEO #1: Graduates of the program will be able to have a successful career in core and allied engineering or associated industries or in higher education or as entrepreneurs or in research.

PEO#2: Graduates of the program will be proficient to provide the optimal solution for complex engineering problems in chosen Technical areas.

PEO#3: Graduates of the program are equipped to exhibit continuous improvement in their profession through life-long learning.

Program Specific Outcome (PSO)

PSO1: Provide optimal solution in the field of Power sector.

PSO2: Apply suitable Electronic controllers for Power conversion, Control and Automa-

tion.

PSO3: Make use of appropriate technique and modern tools to analyze and evaluate the performance of Electrical machines and Electronic circuits

Faculty Achievements

NPTEL

Our Faculty Mr. A.Jainulafdeen attended the NPTEL Certification program for the course "Advanced Robotics" for the year 2022-2023 and cleared the examination.



Paper Publication

Sl. No.	Title of paper	Name of the author/s	Name of journal	Year of publication
1	Flexible Polymer Solar Cells with High Efficiency and Good Mechanical Stability	Dr.I.Kathir	International Journal of Photo energy	September 2022
2	Application Of Dynamic Voltage Restorer In Micro turbine Generation System For Voltage Sag	Dr.G.Saravanan	Journal of University of Shanghai for Science and Technology	December - 2022
3	An Overview of Dynamic Voltage Restorer for Power Quality Enhancement	Dr.P.Arulkumar	International Journal of Engineering Inventions	March 2023
4.	A performance assessment of nine-stage ternary DC source mli through various PWM topologies	Dr.K.Umamaheswari	International Journal of Electronics	27 Mar 2023
5	An efficient energy management and theft alert using IOT enabled smart meters	Mr.B.Prasanth	International Journal of all research education and scientific methods	Apr-23
6	AI based 2-way renewable harvesting system real-time monitoring with IoT	Mr. A.Prabakaran	International Journal of Advances in Engineering and Management (IJAEM)	Apr-23
7	Wifi Enabled "Industrial Process Control "using SCADA based Remote System	Dr.B.Senthilkumar	International Journal of Engineering Inventions	Apr-23
8	Machine learning based load forecasting system	Dr.P.Arulkumar	International Journal of All Research Education and Scientific Methods (IJARESM),	April-2023
9	Pv Fed Dc Micro Grid System For Integration Of PMSM	Dr.G.Saravanan	International Journal of Engineering Inventions	April-2023
10	Life Saving System of Soldiers Using GPS and GSM Tools	Dr.I.Kathir	International Journal of All Research Education and Scientific Methods (IJARESM),	April-2023

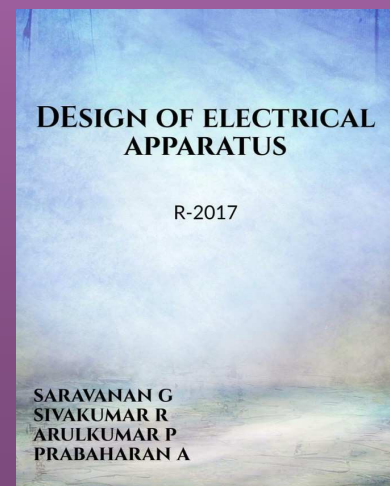
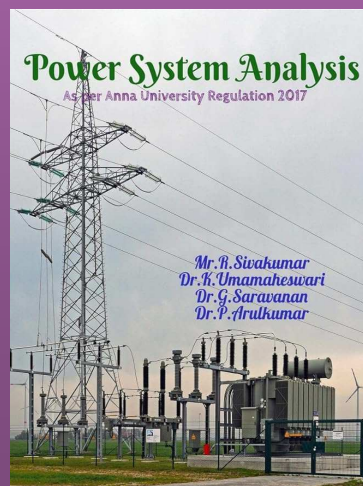
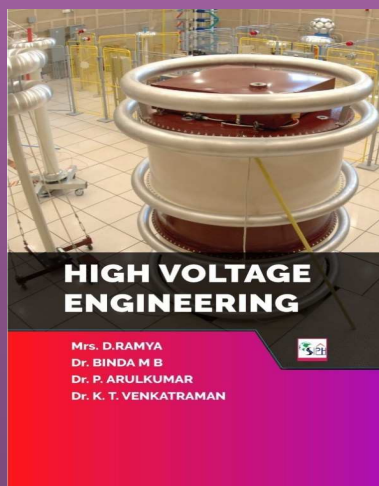


Book Publication

S. No	Name of the Faculty	Title of the book/chapters published	Year of publication	Name of the publisher
1	Dr.P.Arulkumar	High Voltage Engineering	2022	SIPH Publication
2	Dr.K.Umamaheswari	Power System Analysis	2022	Notion Press
3	Dr.G.Saravanan	Design of Electrical Apparatus	2022	Notion Press
4	Mr.R.Sivakumar	Power System Analysis	2022	Notion Press
5	Dr.K.Umamaheswari	Power Quality improvement in micro grid by using APC topology	2023	Blue rose Publishers

Patent Publication

Sl. No	Faculty Name	Patent Application Number	Patent filed Date	Patent Published Date
1	Dr.I.Kathir	202241045455 A	09.08.22	19.08.22
2	Dr.B.Senthilkumar	202241054964	26.09.22	07.10.22
3	Dr.G.Saravanan	202241059710	19.10.22	28.10.22
4	Dr.G.Saravanan	202241065125 A	14.11.22	25.11.22
5.	Dr.P.Arulkumar	202211067243 A	23.11.22	09.12.22





Result

Year	No. of Students Appeared	No. of Students Cleared	Pass (%)
I	48	36	75.00
II	66	39	59.09
III	59	18	30.51
IV	58	28	48.28
Overall (%)			52.38



Top Result



S. No	Name of the Faculty	Name of the Subject	Result
1	Dr.K.Umamaheswari	Electric Circuit Analysis	100 %
2	Mr.S.Rajesh	Fundamentals of Electronic Devices and Circuits	100 %



Students Achievements

Co Curricular Activities



Events	No. of Students Participated
Paper Presentation	31
Workshop	70
Technical Events	22
Quiz	29



S. No	Name of the Student	Title	Year	Score
1	Karthick E	Data Structure and Algorithms using Java	III	56%
2	Krishna T	Data Structure and Algorithms using Java	III	60% - Elite
3	Tamileniyan A	Data Structure and Algorithms using Java	III	55%
4	Keerthana P	Data Structure and Algorithms using Java	III	54%
5	Parvathy S	Digital Circuits	II	52%
6	Sandhiya S	Programming in Java	III	75% - Elite + Silver
7	Srimathi M	Programming in Java	III	81%- Elite + Silver



Sandhiya S

III EEE

75% with Elite + Silver



Srimathi M

III EEE

81% with Elite + Silver



Prize Winners

S. No	Name of the Student	Event	Organization	Prize Won
1	G.Vaishnavi	Paper Presentation	Erode Sengunthar Engineering College, Erode	I
2	K.Yalini	Paper Presentation	Erode Sengunthar Engineering College, Erode	I
3	S.Parvathy	Paper Presentation	Erode Sengunthar Engineering College, Erode	I
4	G.Vishwanaath	Essay Writing	Arivial Sangam	II
5	E.Karthick	Technical Events	V.S.B Engineering college, Karur	I

Motivational Program



Actor **Dhamu** enriched the knowledge of our students by his motivational speech

Department Toppers

**T
O
P
P
E
R**



VANJINAYAKI V
I EEE



RAMYA R
II EEE



KEERTHANA P
III EEE



RUTHRA R
IV EEE

University Rank Holder

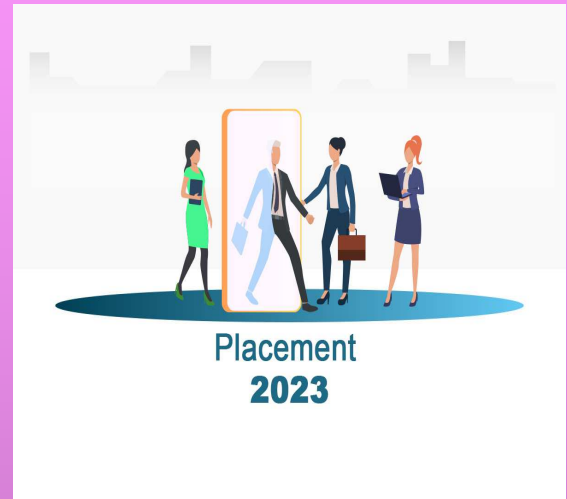
*Our Student **Jebachristy D** is awarded the **9th rank** among the candidates graduated in the Degree of Bachelor of Engineering in Electrical and Electronics Engineering during 2018-2022*



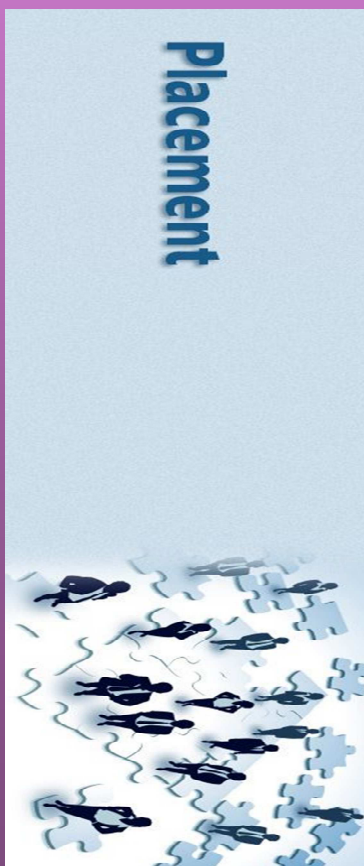
JEBACHRISTY D
9th Rank

Department Placement

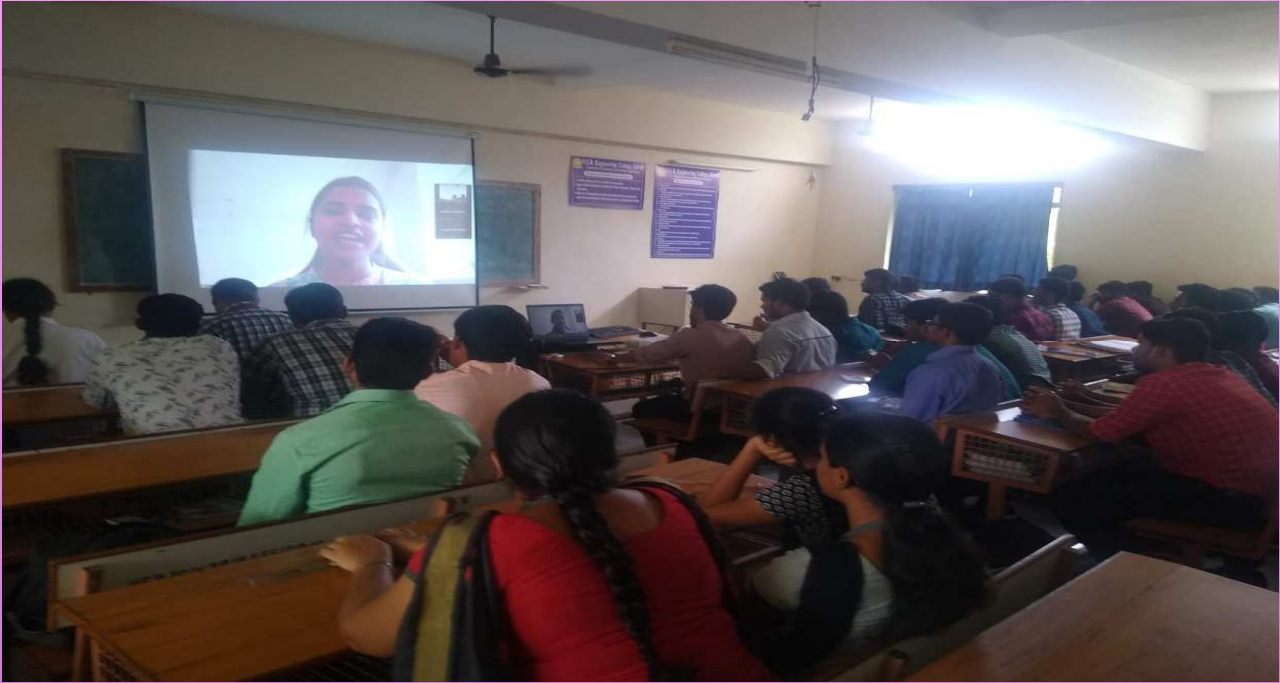
COMPANY NAME	OFFERS RECEIVED
VIRTUSA	17
ODEYSSA	2
DXC	13
HEXAWARE	7
TCS	2
CTS	1
ZOHO	1
OTHERS	5



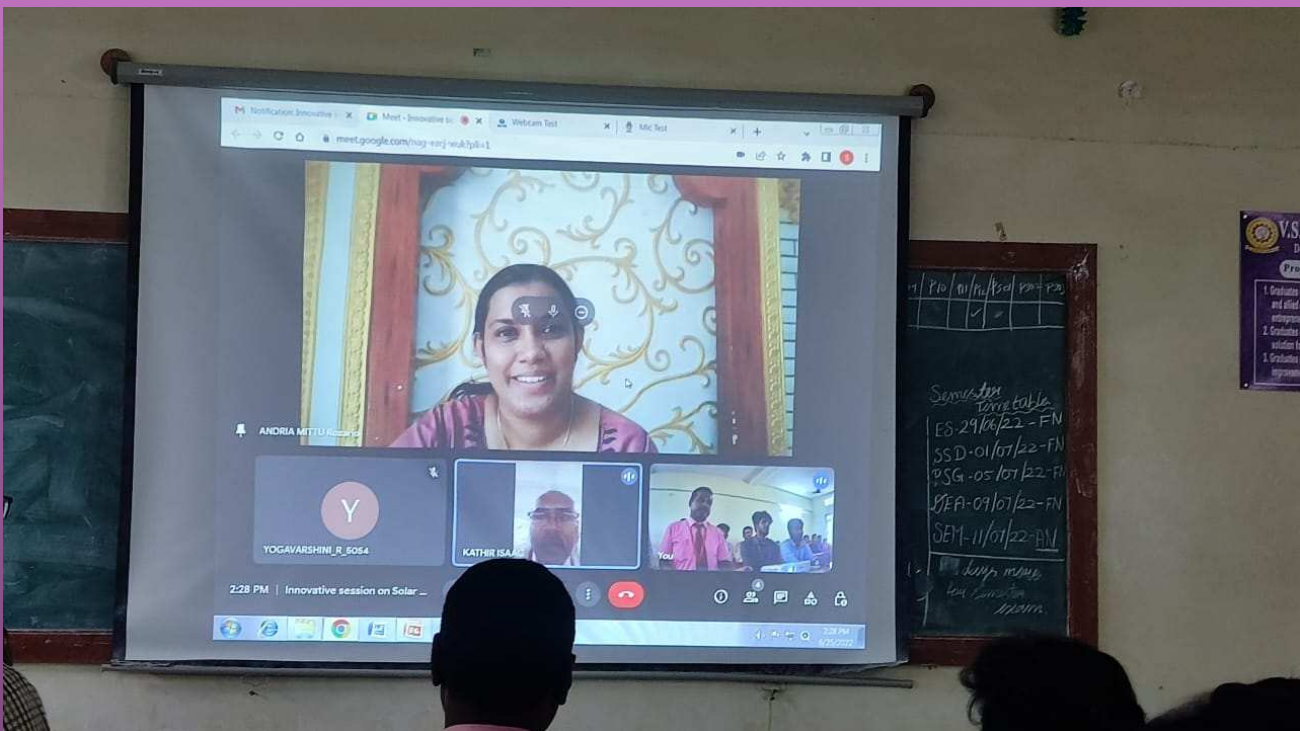
Overall Placement



Innovative Session



Our guest **Mrs Shruthe G S** explaining the big data concepts in our II EEE and III EEE year students on 14.05.22



Our resource person **Mrs. ANDRIA MITTU ROZARIO**, explaining the design concepts of solar PV application to our I year EEE students on 25.06.22



Our guest **Mr B. Ezhancheliyan** explaining the Industry automation on Electrical Drives and control concepts in our III EEE year students on 16.08.22



Our guest **Mr.K.VSuresh**, Delivered the Modernized Thermal Power Plant concepts in our III EEE year students on 09.3.23

ELEXER'22

CHIEF EDITOR:

Dr.K.Umamaheswari HoD/EEE

EDITORS:

Dr. Kathir I Prof/EEE

Mr.R.Sivakumar AP/EEE

Student's Editor

Sandhya K - IV EEE

Nandhakumar R - III EEE

Ramya R - II EEE

*If you fail,
never give up.*

*Because fail means
"First Attempt in Learning"
- Dr. A P J Abdul kalam*



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