



# VIVEKANANDHA

## COLLEGE OF ENGINEERING FOR WOMEN

(An Autonomous Institution, Approved by AICTE - New Delhi, Affiliated to Anna University and Accredited by NAAC with A++ Grade and NBA (CSE,EEE,ECE,IT and Bio tech.)  
Elayampalayam - 637 205, Tiruchengode, Namakkal Dt.



Prof. Dr. M. KARUNANITHI  
Chairman & Secretary

### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Academic Year  
2022 - 2023

#### VISION

To impart value based education in Engineering and Technology to empower young women to meet the societal exigency with a global outlook.

#### MISSION

- ☆ To provide holistic education through innovative teaching-learning practices
- ☆ To instill self confidence among rural students by supplementing with co-curricular and extra-curricular activities
- ☆ To inculcate the spirit of innovation through training, research and development
- ☆ To provide industrial exposure to meet the global challenges
- ☆ To create an environment for continual progress through life-long learning



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## ABOUT THE INSTITUTION

Vivekanandha College of Engineering for Women (VCEW) is autonomous; self-financing engineering college approved by AICTE and affiliated to Anna University. VCEW was founded by a Philanthropist **Prof.Dr.M.Karunanithi**, in the year 2001 with the vision of providing technical education for rural women. It is accredited by NBA Tier I (BT, CSE, EEE, ECE & IT), NAAC with A++ Grade, and Tata Consultancy Services (TCS). The Institution is marching towards excellence under the able guidance of **Prof.S.Kuppuswamy**, a well-known academician in the field of technical education for the past four decades. He is a former Pro-Vice-Chancellor of Pondicherry University and an expert member in various academic bodies like UNIDO, UNESCO, MHRD, UGC, AICTE, NBA & NAAC. The College offers seven UG (CSE, EEE, ECE, BME, CST, IT & BT), four PG (CSE, PSE, VLSI & IT), and four Research Programmes in the departments of CSE, EEE, ECE & Chemistry. The Institution is equipped with the state of the art laboratories and e-learning centers like Digital Class Rooms, Digital Library, and AV halls for effective knowledge transformation. VCEW is the recipient of the National Award for the “**Best Women Engineering College in India**” awarded by the Indian Society for Technical Education (ISTE), New Delhi during the year 2018 and “Engineering Education Excellence Award” by The Institution of Engineers (India) during the year 2022.

## VISION

Electrical and Electronics Engineering Department is to be a center of excellence in technical education and research by producing world-class graduates to meet future challenges of the country.

## MISSION

- ✧ To impart quality education to our students and provide a comprehensive understanding of Electrical & Electronics Engineering and produce a new generation of knowledgeable, skilled, innovative engineers.
- ✧ To stabilize the students to understand the responsibility as an engineer who prove to be good citizens having concern for society, environment and ethical issues.
- ✧ To evolve the student community to adapt appropriate sustainable technologies through remarkable contribution for rural needs.

## ABOUT THE DEPARTMENT

- ✧ Started in the year 2002 with an intake of 60 in UG programme
- ✧ Accredited by NBA for 3 years in 2009
- ✧ Started PG programme in Power Systems Engineering in 2010 with an intake of 18
- ✧ The department was accredited by Tata Consultancy Services by 2010
- ✧ UG programme intake increased to 120 in 2011
- ✧ Accredited 2<sup>nd</sup> time by NBA for 2 years in 2012
- ✧ Received Autonomous status in 2013
- ✧ Anna University Research Centre recognition during 2014
- ✧ NAAC accreditation in 2017
- ✧ Both UG & PG Programmes have permanent affiliation from Anna University
- ✧ Accredited 3<sup>rd</sup> time by NBA in Tier I for three years in 2019
- ✧ Dedicated team of faculty members with different specializations
- ✧ Conducive learning atmosphere
- ✧ Accredited 4<sup>th</sup> time by NBA in Tier I for three years in 2022
- ✧ State of art laboratories with latest equipments and simulation softwares like MATLAB, PSCAD, ETAP.

Education is not the learning of facts but the training of the mind to think - Albert Einstein

**EDITOR IN CHIEF**

**Dr. P. KANNAN**, M.E., Ph.D.,  
PROFESSOR & HEAD.

**ASSOCIATE EDITOR**

**Mr. B. GOUTHAM**, M.E.,  
ASSISTANT PROFESSOR.

**STUDENT COORDINATOR**

**Ms. N. PRIYADHARSHINI**

**ASSOCIATION ACTIVITIES**

Organized One Day Seminar on “Entrepreneurship Opportunities and Government Schemes” by Mr.S.Jaisankar Project Officer EDI of India Salem Branch on 17.02.23



One Day Seminar on “Entrepreneurship Opportunities and Government Schemes”

IEEE student Chapter Organized Two days Workshop on “Drafting and Designing of MEP- Electrical using AutoCAD and Dialux” by Mr. V. Muthu Prakash, MEP-Training Executive, Innovation Engineering Solution, Chennai on 20.02.23 & 21.02.23



Two days Workshop on “Drafting and Designing of MEP- Electrical using AutoCAD and Dialux”

One day Technical seminar on “Power Quality in Power Systems” Er. R. RAJAN, M.E., MIE., Assistant Executive Engineer, Special Maintenance, TANGEDCO, Namakkal on 11.04.2023



One day Technical seminar on “Power Quality in Power Systems”

Organized a Technical Seminar on “Role of Embedded Systems in Industries” & Association Valedictory Function Er.V.Sasikumar Managing Director, Mikrosun Technologies, Salem delivered valedictory address on 24.04.2023.



Technical Seminar on “Role of Embedded Systems in Industries”

**FACULTY PUBLICATIONS**

Pradeep Ammasaikutti, Kannan Palanisamy, “Cuckoo search firefly aided optimization framework for design of medium voltage micro-grid connected soft switching solid-state transformer (MS4T)” in Journal of Intelligent & Fuzzy Systems, Vol. 45, Issue No. 1, PP: 877-890, 2023.

K Venkataramanan, P Kannan, M Sivakumar, “Optimal sizing method with sensitivity analysis for hybrid energy storage system in electric vehicle using hybrid technique” in Journal of Intelligent & Fuzzy Systems, Vol. 44, Issue No. 1, PP: 1497-1515, 2023.

Bhanu Ponnappalli, K Lakshmikhandan, Kannan Palanisamy, Muthukumaran Sithambaram, “A Hybrid

technique for grid connected solar wind hybrid system with Electric vehicles” in Energy and Environment”, DOI:10.1177/0958305X231153933, PP: 1-37, 2023.

**P.Magudeswaran, P.Sakthivel**, “Internet of Things Based Horizontal axis tracking Solar panel performance evaluation” in Electric Power Components & Systems, DOI: 10.1080/15325008.2023.2243940, PP: 1-19, 2023.

### PAPERS PRESENTED IN CONFERENCE

Dr. J. Muruganatham, Presented a paper entitled “ IOT Based ATM Security System”, in the First National Conference on Innovative Smart Technologies in Engineering and Management Sciences, at Excel Engineering College on 06.04.2023.

Ms. A. Preethi, Presented a paper entitled presented a paper titled “Smart e-Petrol Bunk” in the Second International Conference on Advancements in Electrical Electronics Communication Computing and Automation (ICAECA 2023) organized by Kumaraguru College of Technology, Coimbatore on 16.06.2023 & 17.06.2023.

### AWARDS

Dr. P. Kannan and Dr. K. Thenmalar, received “Best Teacher Award” of the academic year 2022 - 2023 from Vivekanandha College of Engineering for Women on 05.09.2023.

Dr. P. Kannan, received the “**பெருந்தமிழ் ஆசான்**” award from **புகழை வாசல்** foundation on 29.04.2023.

Dr. P. Kannan, received the “**மெய்ஞானப் பூமாவை**” award from **அறம் அன்பின் அடையாளம் அறிக்கட்டளை** on 03.06.2023.

Dr. K. Thenmalar, received the “Distinguished Faculty Award” from RAMFO Academic Awards on 30.04.2023.

### PARTICIPATION IN SKILL ENHANCEMENT PROGRAMMES (FACULTY)

Dr. J. Muruganatham, Dr. K. Thenmalar, Mr. A.Pradeep, Dr. K. Venkataramanan, Mr. B. Goutham, Mr. P Magudeswaran, Ms. A. Preethi, Mr. R. Manikandan, Ms. S. B. Kayalvizhi, Mr. S. Mutharasu, Mr. D. Santhosh Kumar, Mr. T. Sasikumar and Mr. J. Shanmugasundaram participated in One day webinar on “Insight into research publication” co organized by the faculty of Electrical and Electronic Engineering, Universiti Tun Hussein Onn Malaysia with the academic institutions and Industries from India in association with EECLIPS on 18.04.2023.

Dr. K. Venkataramanan, Dr. K. Thenmalar, and Ms. S B. Kayalvizhi, participated in the online “PROPOSAL

WRITING WORKSHOP ” organized by PALS on 28.04.2023 to 29.04.2023.

Dr. K. Thenmalar, participated in the webinar on “incubation Opportunities For Students And Faculties” organized by IIC, St. Mother Theresa Engineering College, on 11.07.2023.

Mr. A. Pradeep, Ms. A. Preethi, Dr. K.Themalar and Ms. S.B. Kayalvizhi, participated in the Six Days Online Faculty Development Programme on “Recent Trends and Innovations in High Voltage Engineering” organized by Department of Electrical and Electronics Engineering. KSR College of Technology from 27.03.2023 to 01.04.2023.

### PARTICIPATION IN SKILL ENHANCEMENT PROGRAMMES (STUDENTS)

S.Devi,V.Soundarya,III year, participated in Wearable MEMS Hands-on training for Smart Watch application in health IOT on 06.01.2023.

### BOARD OF STUDIES MEETING

13<sup>th</sup> Board of Studies Meeting was held on 07.01.2023. **The University Nominee**, Dr.V. Adhimoorthy, Associate Professor/EEE Government College of Engineering, Bargur, **Academic Council Nominees**, Dr. S.Thangavel, Associate Professor/EEE, National Institute of Technology, Karaikal, Dr. L. Ashok Kumar, Professor /EEE, PSG College of Technology, Coimbatore, **Industry Expert**, Mr.Dinesh Kumar Dhamodaran, Program Lead, Schlumberger, Coimbatore, **Alumna** Ms. Preethi Jayabalan, Consultant, Infosys ECC, Chennai, participated in the meeting and offered suggestions for framing Syllabus of 2023 Regulation.



13<sup>th</sup> Board of Studies Meeting

Education is the most powerful weapon to change the world - Nelson Mandela

**STUDENT ACHIEVEMENT**

Ms. Dharshini V V , IV EEE, VCEW received First Prize with cash award of Rs.2000 from Namakkal District Collector for the District Level Competition Conducted in the National voters awareness camp organized by the Election Commission of India on 25.01.2023.



Ms. M. Gowsiya Banu, Ms. S. Iniyal and Ms. Shanmugapriya A, participated in the “Sustainability Hackathon Challenge 2023” for ideation on sustainability based startups, organized by the Entrepreneurship Development Institute of India.



**INDUSTRIAL VISIT**

Third and Second year students accompanied by the faculty members went on industrial visit to Mettur Thermal Power plant on 18.10.2022 and 20.10.2022 respectively.



Industrial Visit to Mettur Thermal Power plant by II & III year students

**PLACEMENT 2023 BATCH**



**R. HARIPRIYA**  
CTS



**S. HARSHAVARTHINI**  
CTS



**N. KIRUTHIKA**  
CTS



**K. SHARANYA**  
CTS

Some of the brightest minds in the country can be found on the last benches of the classroom - Dr. APJ Abdul Kalam



**P. SRINITHI**  
CTS



**M. SWETHA**  
CTS



**A. MANEESHA**  
CTS



**V. RITHIYA**  
CTS



**N. PRIYADHARSHINI**  
CGI & DOMEX EDATA



**C. MOUNIKA**  
CGI



**S. GOWSALYA**  
ATOS GLOBAL IT



**A. YAZHINI**  
ATOS GLOBAL IT



**S. VINITHA**  
ATOS GLOBAL IT



**E. SOWMIYA**  
HIKE ON



**R. SRIMATHI**  
HIKE ON



**K. MYTHILI**  
HIKE ON



**V.M. SURUTHI**  
KGIS



**R.HINDOOJA**  
PROFUTURE



**B. BALAMITHRA**  
PROFUTURE



**A.BHAVADHARANI**  
SCHNEIDER ELECTRIC  
SYRMA SGS



**B. SHREE DHARANI**  
SCHNEIDER ELECTRIC  
KGIS



**V.JANANI**  
SCHNEIDER ELECTRIC



**D.JEEVITHA**  
SCHNEIDER ELECTRIC



**M.NAGADEVI**  
SCHNEIDER ELECTRIC  
SYRMA SGS



**S.PRATHEESHA**  
SCHNEIDER ELECTRIC  
SYRMA SGS



**R. HARINI**  
SCHNEIDER ELECTRIC  
SYRMA SGS



**S.RAJEE**  
SCHNEIDER ELECTRIC  
SYRMA SGS



**V.SARATHA**  
SCHNEIDER ELECTRIC  
SYRMA SGS



**M. SOWPRIYA**  
SCHNEIDER ELECTRIC  
SYRMA SGS



**S. SHANMUGAPRIYA**  
SCHNEIDER ELECTRIC  
SYRMA SGS



**S.SRIRANJANI**  
SCHNEIDER ELECTRIC



**R. SHOBANA**  
SCHNEIDER ELECTRIC  
& SYRMA SGS



**M. VISHNUPRIYA**  
SCHNEIDER ELECTRIC  
& SYRMA SGS



**P.SUMITHIRA**  
SCHNEIDER ELECTRIC



**S. SELVAPRIYA**  
SCHNEIDER ELECTRIC  
& SYRMA SGS



**B.VARALAKSMI**  
SCHNEIDER ELECTRIC



**M.LINGESHWARI**  
SCHNEIDER ELECTRIC  
& MITSUBA SICAL



**M.PAVITHRA**  
SCHNEIDER ELECTRIC  
& MITSUBA SICAL



**G.RUBANA**  
SCHNEIDER ELECTRIC  
& SYRMA SGS



**R.SANDHIYA**  
MITSUBA SICAL



**M.PAVITHRA**  
MITSUBA SICAL



**R. DIVYA BHARATHI**  
MITSUBA SICAL



**S. NITHYA**  
MITSUBA SICAL



**G.SAKTHIELAKKIYA**  
MITSUBA SICAL



**S.U.PUNITHA KUMARI**  
MITSUBA SICAL



**R. KARUNA DEVI**  
MITSUBA SICAL



**M.SOWMIYA**  
MITSUBA SICAL



**S.MALATHI**  
MITSUBA SICAL



**M. SANJANA MONA SAKTHI**  
MITSUBA SICAL



**A.HEMA**  
DOMEX E DATA



**S.MANJULA**  
MITSUBA SICAL



**A.K.KAMALI**  
MITSUBA SICAL



**M.KOKILA VANI**  
MITSUBA SICAL



**M. POONKODI**  
MITSUBA SICAL



**V. SHIMNIRAI**  
DOMEX E DATA



**M. GOPIKA**  
DOMEX E DATA

# VIVEKANANDHA EDUCATIONAL INSTITUTIONS



"Vidhya Rathna"

**Prof. Dr. M. KARUNANITHI**, B.Pharm., M.S., Ph.D., D.Litt.,  
Chairman & Secretary

## TIRUCHENGODE CAMPUS

- ★ SWAMY VIVEKANANDHA MEDICAL COLLEGE HOSPITAL AND RESEARCH INSTITUTE
- ★ VIVEKANANDHA DENTAL COLLEGE FOR WOMEN
- ★ SWAMY VIVEKANANDHA COLLEGE OF PHARMACY
- ★ VIVEKANANDHA COLLEGE OF NURSING
- ★ VIVEKANANDHA SCHOOL OF ANM
- ★ SWAMY VIVEKANANDHA PHYSIOTHERAPY COLLEGE
- ★ VIVEKANANDHA ALLIED HEALTH SCIENCE COLLEGE (Co - Ed)
- ★ KRISHNA INSTITUTE OF OPTOMETRY AND RESEARCH
- ★ KRISHNA INSTITUTE OF HEALTH SCIENCE & RESEARCH (Boys)
- ★ KRISHNA INSTITUTE OF HEALTH SCIENCE (Boys)
- ★ VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN (Autonomous)
- ★ VIVEKANANDHA COLLEGE OF TECHNOLOGY FOR WOMEN
- ★ VIVEKANANDHA INSTITUTE OF INFORMATION AND MANAGEMENT STUDIES
- ★ VIVEKANANDHA COLLEGE OF ARTS AND SCIENCES FOR WOMEN (Autonomous)
- ★ VIVEKANANDHA COLLEGE FOR WOMEN
- ★ VIVEKANANDHA COLLEGE OF EDUCATION FOR WOMEN
- ★ KRISHNA COLLEGE OF EDUCATION FOR WOMEN
- ★ VIVEKANANDHA VIDHYA BHAVAN MATRIC HIGHER SECONDARY SCHOOL
- ★ VIVEKANANDHA MEDICAL CARE HOSPITAL (VMCH)

## SANKAGIRI CAMPUS

- ★ SWAMY VIVEKANANDHA NATUROPATHY AND YOGA MEDICAL COLLEGE (Co-Ed)
- ★ VIVEKANANDHA NURSING COLLEGE FOR WOMEN
- ★ VIVEKANANDHA PHARMACY COLLEGE FOR WOMEN
- ★ VIVEKANANDHA ANM SCHOOL
- ★ VIVEKANANDHA INSTITUTE OF HEALTH SCIENCE (Boys)
- ★ RABINDHARANATH TAGORE COLLEGE OF EDUCATION FOR WOMEN
- ★ VISWABHARATHI COLLEGE OF EDUCATION FOR WOMEN
- ★ VIVEKANANDHA ARTS AND SCIENCE COLLEGE FOR WOMEN

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