



# VIVEKANANDHA

## COLLEGE OF ENGINEERING FOR WOMEN

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



Prof. Dr. M. KARUNANITHI  
Chairman & Secretary



**pulse**  
LIVE WAVES

**ACADEMIC YEAR 2023 - 2024**

**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

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

04288 - 234670 (4 Lines)

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www.vcew.ac.in ; eehod@vcew.ac.in

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## ABOUT THE INSTITUTION

Vivekanandha College of Engineering for Women (VCEW) is an autonomous, self-Financing engineering college approved by AICTE and affiliated to Anna University. Established in 2001 by the visionary philanthropist Prof. Dr. M. Karunanithi, the college aims to provide quality technical education for women, especially from rural backgrounds. The institution has been marching towards excellence under the guidance of Prof. Dr. S. Kuppaswami, a well-known academician in the field of technical education for the past four decades. The UGC and Anna University have conferred autonomous status to the college from 2013-2014. Recently, the UGC granted extension of autonomous status for a period of 10 years from 2023-2024 to 2033-2034. The VCEW is accredited by NAAC since 2017, now with A++ grade with score of 3.57. The college has also obtained accreditation of NBA for the programmes since 2008 and now all eligible UG programmes are accredited by NBA under Tier-1. The college is also accredited by TATA Consultancy Services. Sponsored Centre of Excellence by IBM's "Centre of Academic Excellence for Data Science and Big Data Analytics", Intel and Dell's "AI Skills Lab". IDEA Lab was established in the year 2022 funded by AICTE with an amount of Rs.1.01 Crore. CURIE (Consolidation of University Research for Innovation and Excellence in Women Universities), DST, Government of India has granted a fund of Rs.63.92 Lakhs for PG program. SIRO (Scientific and Industrial Research Organization) certified institute by DSIR (Department of Scientific and Industrial Research).

## 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.

# Editorial

## EDITOR IN CHIEF

Dr. K. Thenmalar, M.E., Ph.D.,  
PROFESSOR & HEAD i/c.

## ASSOCIATE EDITOR

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

## ASSOCIATE EDITOR

Ms. M. Divyadharshini, IV EEE.  
Ms. S. Jeeva, III EEE.  
Ms. S. Ashvitha Aarniya, II EEE

## Association Programs

Workshop on “Advancing Renewable Energy Technologies” by Er.P.Piruthiviraj, R & D Head, Hephaestus Technologies, Erode on 16.04.2024



Workshop on “Advancing Renewable Energy Technologies”

Two Day Workshop on “Product Development Using Analog & Digital Circuits” by Mr. R. Praveen, Technical Lead & Mr. R.karthick Testing Engineer Product Development, SAN Technovation, Perundurai, organized by IEI Student Chapter, on 08.11.23 & 09.11.23



One day Technical Seminar on “Integrated Circuits Design using Frontend Tools” by Mr. Sampath Dharmalingam, IC Design Engineer, Broadcom India Pvt Ltd, Bangalore on 13.04.2024



Two day's Workshop on “Drafting and Designing of MEP - Electrical using AutoCAD and Dialux by Mr. V. Muthu Prakash MEP - Training Executive, Innovation Engineering Solution, Chennai organized by IEEE student Chapter on 09.01.24 & 10.01.24.



### FACULTY PARTICIPATIONS

Dr. J. Muruganantham, Mr. J. Shanmugasundaram, and Mr. D. Santhoshkumar, participated in the FDP on “Recent trends in Multidisciplinary Research” organized by SRM Institute of Science and Technology, Chennai from 07.07.2023 to 18.07.2023.

Mr. B. Goutham, participated in the FDP on “Cutting Edge Technologies in Electrical and Electronics Engineering”, AVS college of technology, Salem from 11.09.2023 to 16.09.2023

Mr. S. Mutharasu and Mrs. S. Savitha, participated in the FDP on “Challenges and Opportunities in Electric Vehicle” organized by KSR College of engineering, Tiruchengode from 09.10.2023 to 14.10.2023.

Dr. A. Pradeep, participated in the FDP on “Exploring teaching strategies and research scope in renewable energy sectors” Hindustan college of engineering and technology Coimbatore from 02.01.2024 to 06.01.2024.

Mr. R. Manikandan, participated in the FDP on “Green Fuel and Electric Vehicle Technologies”, Vellore Institute of Technology, Vellore, from 22.01.2024 to 26.01.2024. Dr. K. Thenmalar, participated in the STTP on “ Electrical Power Grid Modernization Trends Challenges and Opportunities PSN College of Engineering and Technology Tirunelveli from 27.05.2024 to 31.05.2024.

Mrs. A. Preethi, participated in the STTP “Electric

power grid modernization trends challenges and opportunities”PSN college of engineering and technology Tirunelveli from 27.05.2024 to 31.05.2024.

Mrs. S. B. Kayalvizhi, participated in the STTP “Big data analytics in smart grid”NITTRChandigarh from 12.02.2024 to 16.02.2024.

### Paper Presentations

Ammu. A, Saranya. V, Srimathi. G, presented a paper entitled “ Electric Vehicle” on K.S.R College Tiruchengode on 01.09.2023

Noortaj. S, presented a paper entitled “Footstep Power Generation” at Vivekanandha College of Engineering for Women on 19-12-2023

Sujeetha. S, Kanika. M, presented a paper entitled “Embeeded Systems”, K.S.R College Tiruchengode. 01-09-2023

Viveka. M, presented a paper entitled “Remote Sensing” at Jai Shriram Engineering College-Tirupur on 03.07.2023 & 04.07.2023

Sarvika S, Dharunya S, Akalya S, Chandikka J, Devadharshini S Participated in the Workshop MATLAB & SIMULINK for Engineers : An Interdisciplinary Approach organized by PSG Institute of Technology and Applied Research 12.10.2023 to 14.10.2023

## INTERNSHIP TRAINING AND MINI PROJECT

S.NO.	NAME OF THE STUDENT	NAME OF THE COMPANY	TITLE	DURATION
1.	R.ABIRAMI	AXIS GLOBAL AUTOMATION,	Industrial Automation	10.7.23 - 25.7.23
2.	A.BHUVANESHWARI			
3.	D.GIRISHA			
4.	P.L.MOHANA			
5.	P.SHUBHA HARINI			
6.	S.JEEVITHA			
7.	T.JEEVITHA			
8.	V.LOGADHARSHINI			
9.	D.SONU			
10.	D.KANIMOZHI			
11.	V.PARIMALA			12.7.23 -29.7.23
12.	K.KANMANI			10.7.23 - 25.7.23
13.	S.PRADEESHA			
14.	K.VIDHYA			
15.	M.SINEKA			
16.	K.R.HEMALATHA			
17.	R.NIKITHA			
18.	C.PAVITHRA			12.7.23 -29.7.23
19.	M.DIVYA DHARSHINI	TECHVOLT SOFTWARE PVT.LTD, COIMABATORE	Embedded systems	12.7.23 - 29.7.23
20.	K.DIVYADARSINI			
21.	M.SANDHIYA			
22.	PRIYANKA SHIBU			

23	Monika M	Ernglitz Technologies, Coimbatore	Embedded System	10.7.23 - 03.8.23
24	Priya P	Ernglitz Technologies, Coimbatore	Embedded System	10.7.23 - 03.8.23
25	Saranyadevi C	Ernglitz Technologies, Coimbatore	Embedded System	10.7.23 - 03.8.23
26	Sowndharya K	Ernglitz Technologies, Coimbatore	Embedded System	10.7.23 - 03.8.23
27	Sangeetha A.	Ernglitz Technologies, Coimbatore	Embedded System	10.7.23 - 03.8.23
28	Devi S	IPCS Global Solutions PVT.LTD , Salem	Embedded System	10.7.23 - 03.8.23
29	Roshni A	Axis Global Automation, Coimbatore	Embedded System	10.7.23 - 03.8.23
30	Sangavi B	Axis Global Automation, Coimbatore	Embedded System	10.7.23 - 03.8.23
31	Soundarya V	Axis Global Automation, Coimbatore	Embedded System	10.7.23 - 03.8.23
32	Thenmozhi M	Axis Global Automation, Coimbatore	Embedded System	10.7.23 - 03.8.23
33	Dharaneswari V	Axis Global Automation, Coimbatore	Captive Power Plant And Consumption Of Energy	10.7.23 - 03.8.23
34	Kavya V	Axis Global Automation, Coimbatore	Captive Power Plant And Consumption Of Energy	10.7.23 - 03.8.23
35	Gowsiya Banu M	Axis Global Automation, Coimbatore	Captive Power Plant And Consumption Of Energy	10.7.23 - 03.8.23
36	Deepadharshini P	Axis Global Automation, Coimbatore	IOT Application Using RASPBerry PI	10.7.23 - 03.8.23
37	Rohini T	Axis Global Automation, Coimbatore	IOT Application Using RASPBerry PI	10.7.23 - 03.8.23
38	Priyanka B	Axis Global Automation, Coimbatore	Embedded System With IOT	10.7.23 - 03.8.23
39	Sathiyabama S	Axis Global Automation, Coimbatore	Embedded System With IOT	10.7.23 - 03.8.23
40	Sowndharya S	Axis Global Automation, Coimbatore	Embedded System With IOT	10.7.23 - 03.8.23
41	Kavimathi S	Axis Global Automation, Coimbatore	Overall Schematic Operation Of TPS-II Expn	10.7.23 - 03.8.23
42	Kurshith Banu M	Axis Global Automation, Coimbatore	Overall Schematic Operation Of TPS-II Expn	10.7.23 - 03.8.23
43	Narmatha R	Axis Global Automation, Coimbatore	Overall Schematic Operation Of TPS-II Expn	10.7.23 - 03.8.23

44.	P.VIDHYABARATHI	NLC NEYVELI	Overall Schematic Operation of TPS-II Expn	12.7.23 - 25.7.23
45.	V.V.DHARSHINI	NLC NEYVELI	Overall Schematic Operation of TPS-II Expn	12.7.23 - 25.7.23
46.	R.DHIVYAPRIYA	NLC NEYVELI	Overall Schematic Operation of TPS-II Expn	12.7.23 -25.7.23
47.	K.NIVETHA	NLC NEYVELI	Overall Schematic Operation of TPS-II Expn	12.7.23 -25.7.23
48.	K.POMMINIFIROSE	NLC NEYVELI	Overall Schematic Operation of TPS-II Expn	12.7.23 - 25.7.23
49.	P.AKALYA	PRIME SOLUTIONS COIMBATORE	Embedded systems	10.7.23 -28.7.23
50.	S.CELICABEGAM	PRIME SOLUTIONS COIMBATORE	Embedded systems	10.7.23 - 28.7.23
51.	J.DEEPA	PRIME SOLUTIONS COIMBATORE	Embedded systems	10.7.23 - 28.7.23
52.	M.DHARSANA	PRIME SOLUTIONS COIMBATORE	Power Electronics	12.7.23 - 28.7.23
53.	S.INIYAL	PRIME SOLUTIONS COIMBATORE	Power Electronics	12.7.23 - 28.7.23
54.	P.GOWSALYA	PRIME SOLUTIONS COIMBATORE	Embedded systems	10.7.23 - 28.7.23
55.	S.HARISHA	PRIME SOLUTIONS COIMBATORE	Embedded systems	10.7.23 - 28.7.23
56.	J.JANANI	PRIME SOLUTIONS COIMBATORE	Internet of Things	12.7.23 - 31.7.23
57.	M.KIRUTHIGA	PRIME SOLUTIONS COIMBATORE	Internet of Things	12.7.23 - 31.7.23
58.	S.NARTHANI	PRIME SOLUTIONS COIMBATORE	Internet of Things	12.7.23 - 31.7.23
59.	K.NIRANJANA	PRIME SOLUTIONS COIMBATORE	Internet of Things	12.7.23 - 31.7.23
60.	A.SHANMUGAPRIYA	PRIME SOLUTIONS COIMBATORE	Internet of Things	12.7.23 - 28.7.23
61.	S.VAISHNAVIPRIYA	PRIME SOLUTIONS COIMBATORE	Internet of Things	12.7.23 - 31.7.23
62.	M.SANTHIYA	TNPL KARUR	Power plant	12.7.23 - 12.8.23
63.	K.R.AISHWARYA	POWER PLANT	Gas thermal power plant	10.7.23 - 24.7.23
64.	A.NITHYAPRIYA	LITZ TECH COIMBATORE	Embedded System	12.07.23 -25.07.23

## PLACEMENT



**DHARSANA.M**  
**TARGET**



**M.GOWSIYA BANU**  
**HITACHI**



**K.POMMINIROSE**  
**HITACHI**



**V. DHARANESWARI**  
**POWER PROJECT**



**S.NARTHANI**  
**SEIMENS**



**DIVYA DHARSHINI.M**  
**SEIMENS**



**R.DHIVYAPRIYA**  
**ACCENTURE**



**K.NIRANJANA**  
**ACCENTURE**



**J.DEEPA**  
**CAPGEMINI**



**CELICA BEGAM SS**  
**DELOITTE**



**M.KURSHITH BANU**  
**ITC INFO TECH**



**R.SHUBHA HARINI**  
**KGISL**



**P. VIDHYABARATHI**  
**CISCO**



**V.V.DHARSHINI**  
**SANMINA - SCI**



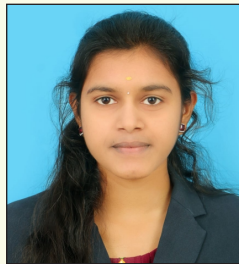
**B. SANGAVI**  
**SANMINA - SCI**



**V.SOUNDARYA**  
**SUTHERLAND**



**S.SOWNDHARYA**  
**SANMINA - SCI**



**S.DEVI**  
**SANMINA - SCI**



**D.GIRISHA**  
**SANMINA - SCI**



**SARANYADEVI C**  
**SANMINA - SCI**



**KAVIMATHI.S**  
**SANMINA - SCI**



**M.SNEKA**  
**MITSUBA SICAL**



**S. PRADEESHA**  
**MITSUBA SICAL**



**R. ABIRAMI**  
**MITSUBA SICAL**



**R. NARMATHA**  
**MITSUBA SICAL**



**R.NIKITHA**  
**MITSUBA SICAL**



**P.KALYA**  
**SCHNEIDER ELECTRIC**



**A.BHUVANESHWARI**  
**SCHNEIDER ELECTRIC**



**J.JANANI**  
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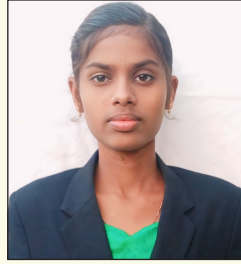
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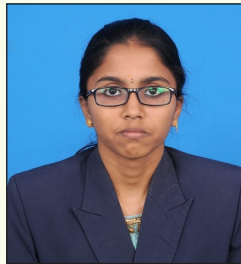
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**M. SANTHIYA**  
**SCHNEIDER ELECTRIC**



**M.THENMOZHI**  
**SCHNEIDER ELECTRIC**



**S.VAISHNAVIPRIYA**  
**SCHNEIDER ELECTRIC**



**P.DEEPADHARSHINI**  
**DELPHI TVS**



**C. PAVITHRA**  
**DELPHI TVS**



**P. PRIYA**  
**DELPHI TVS**



**M. SANDHIYA**  
**FOXCONN**



**K. VIDHYA**  
**SANMINA - SCI**



**A.SHANMUGAPRIYA**  
**SANMINA - SCI**



**T o A I I P l a c e d**  
**S t u d e n t s**

**SHONA S - 2019 to 2023 Batch,  
SCHNEIDER ELECTRIC**

**Testimonial from Alumna**

**A**s a proud alumna of the Department of Electrical and Electronics Engineering, I consider my journey at this institution to be one of the most impactful phases of my life. The college provided a strong academic foundation supported by an excellent curriculum that blended theory with practical application. The well-equipped laboratories, modern facilities, and project-based learning opportunities helped me understand core engineering concepts in depth and develop problem-solving abilities. The faculty members played a vital role in nurturing my curiosity and guiding me at every stage. Their mentorship extended beyond academics they constantly encouraged innovation, teamwork, and self-confidence. Through seminars, workshops, and hands-on sessions, I gained the technical exposure and real-world perspective essential for professional growth. Beyond the classroom, I had numerous opportunities to participate in co-curricular and extracurricular activities that enhanced my leadership, communication, and organizational skills. The campus environment fostered creativity, collaboration, and lifelong friendships that I deeply cherish. Looking back, I can proudly say that my college not only shaped my career but also helped me evolve as a confident and responsible individual. The lessons learned here continue to guide me in every step of my professional and personal journey

**DIVYA S - 2015 to 2019 Batch,  
State Bank of India, Krishnagiri.**

**Testimonial from Alumna**

**L**ooking back, being an alumna of the Department of Electrical and Electronics Engineering is one of the greatest blessings in my life. My college was a space where curiosity turned into creativity, and learning became a joyful journey. The professors guided us with patience and passion, inspiring us to innovate and explore. From the hum of lab experiments to the laughter shared during campus events, every moment here shaped my confidence and character. The experiences I gathered didn't just build my technical skills — they gave me the strength to chase my dreams. This college will forever remain the foundation of everything I've achieved

## Testimonial from Alumna



**SOWMIYA S - 2012 to 2016 Batch,**

Senior Analyst at Accenture

**A**s a proud alumna of the Department of Electrical and Electronics Engineering, I feel privileged to have been a part of an institution that laid the strongest foundation for both my professional and personal growth. My journey here was marked by a perfect balance of academic excellence, practical exposure, and holistic development. The rigorous curriculum, combined with well-structured laboratory sessions and industry-oriented projects, helped me build a deep understanding of engineering concepts and their real-world applications. The unwavering support and mentorship from the faculty played a pivotal role in shaping my career path. Their encouragement to think analytically, approach challenges creatively, and work collaboratively prepared me to excel in a dynamic corporate environment. The emphasis on innovation, continuous learning, and ethical values continues to guide me even today in my role as a Senior Analyst at Accenture.

Beyond academics, my college life was filled with enriching experiences from organizing events and participating in symposiums to being actively involved in club activities. These moments enhanced my leadership, communication, and interpersonal skills, which have proven invaluable in the professional world. Looking back, I can confidently say that my college did not just prepare me for a career it prepared me for life. The lessons, friendships, and experiences I gained during those formative years remain a lasting source of inspiration and pride.

## Testimonial from Alumna



**Kavya Sunny - 2013 to 2017 Batch,**

Qwiksilver Solutions

As an alumna of the Department of Electrical and Electronics Engineering, I take immense pride in being part of an institution that shaped my journey both academically and personally. My college years were filled with valuable learning experiences that built a strong foundation for my career as a Software Engineer at Qwiksilver Solutions. The well-structured curriculum, combined with practical lab sessions and real-time projects, helped me develop analytical thinking and problem-solving abilities essential in the tech industry. The dedicated faculty members were a constant source of guidance and encouragement. Their mentorship inspired me to explore new ideas, embrace challenges, and stay curious about emerging technologies. The department's emphasis on innovation, teamwork, and continuous improvement continues to influence the way I approach my professional responsibilities today. Beyond academics, participating in seminars, symposiums, and club events enriched my communication and leadership skills. Looking back, I feel deeply grateful for the opportunities, values, and confidence that my college instilled in me. It remains the foundation upon which I continue to grow both as a professional and as a person.

# 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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Sankagiri - 637 303, Salem Dt., Tamil Nadu.

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