



Estd. 2001

# 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 - 637205, Tiruchengode, NamakkalDt.



Prof. Dr. M. KARUNANITHI  
Chairman & Secretary

## DEPARTMENT OF INFORMATION TECHNOLOGY



## ZealTech 2K25

### VISION

Providing quality education to transform students into technically competent skilled women to excel in IT profession, innovation and entrepreneurship.

### MISSION

- ¶ To empower knowledge on cutting-edge technologies in the field of Information Technology to develop innovative solutions for real-world problems.
- ¶ To create a platform for innovation, research and new technology development
- ¶ To inculcate ethical practices, life-long learning and sense of societal responsibilities to support the career and personal development of the learners.



## 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. 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 (CSE, EEE, IT, BT & ECE), 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

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

## MISSION

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

## ABOUT THE DEPARTMENT

The Department of Information Technology was established in the year 2001. During the inception the intake was 45. Intake was increased to 60 in 2004 and 120 in 2024. The Department is offering UG (B.Tech Degree in IT) and PG (M.Tech. Degree in IT) courses. The department concentrates in imparting value based education and reach for the highest levels of intelligence in all works of life and to provide individual attention and to give more room for research and industrial interaction. The Department has a separate library with the collection of more than 3000 books for exclusive use of faculty and students.

## Courses Offered

- B.Tech. Information Technology
- M.Tech. Information Technology

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

## **DEPARTMENT OF INFORMATION TECHNOLOGY**

The Department of Information Technology was established in the year 2001. During the inception the intake was 45. Intake was increased to 60 in 2004 and also Intake was increased to 120 in 2024. The Department is offering UG (B.Tech., IT) and PG (M.Tech., IT) courses. The department is accredited by NBA. The primary goal of our department is to provide best IT infrastructure, learning & research environment, adopt industry practices through industry collaborations and inculcate moral and ethical values. The Department has well experienced faculty members with specialization in Data Mining, Computer Networks, Network Security, Cyber Security, Big Data Analytics, Image Processing, Artificial Intelligence, Cloud Computing and Inter of Things. The department concentrates in imparting value based education and reach for the highest levels of intelligence in all works of life and to provide individual attention and to give more room for research and industrial interaction. The Department has a separate library with the collection of more than 2600 books for exclusive use of faculty and students.

### **HOD's MESSAGE**



*I am pleased to present the Department of Information Technology Newsletter for the Academic Year 2024-25 (Odd Semester), which reflects the vibrant academic and co-curricular activities of our faculty and students. Our department takes pride in fostering a stimulating learning environment, where dedicated faculty members motivate students to enhance their technical skills, embrace innovation, and work together as a team.*

Academic Year 2024-2025 (ODD)

**EDITORIAL BOARD**

|                                |   |
|--------------------------------|---|
| <b>PATRON</b>                  | <b>Dr.S.Radha</b>                       |
| <b>EDITORIAL BOARD</b>         | <b>Mrs.G.Gomathi<br/>Mrs R.Logambal</b> |
| <b>STUDENT<br/>COORDINATOR</b> | <b>Ms.V.Preethi-III IT</b>              |

**INTERNATIONAL CONFERENCE – ATTENDED BY FACULTY**

| <b>S.No.</b> | <b>Name of the faculty</b> | <b>Date</b>                    | <b>Topic</b>  | <b>Name of the college</b>                    |
|--------------|----------------------------|--------------------------------|---|---|
| 1            | Ms.C.Visali                | 08.10.2024<br>&<br>09.10.2024  | Transforming Homes into Smart Havens :<br>Advanced Control with NodeMCU and<br>Android Technology | Sri Sairam<br>Engineering<br>College, Chennai |
| 2            | Dr.A.V.Sant<br>hoshBabu    | 01.10.2024<br>to<br>03.10.2024 | Optimizing Intrusion Detection systems for<br>Energy Consious MANET's                             | Erode<br>Sengunthar<br>Engineering<br>College |
| 3            | Dr.A.V.Sant<br>hoshBabu    | 01.10.2024<br>to<br>03.10.2024 | Analysing the Efficiency of an Ethereum-<br>Driven Cyber security model in Cloud<br>Computing     | Erode<br>Sengunthar<br>Engineering<br>College |
| 4            | Dr.A.V.Sant<br>hoshBabu    | 04.09.2024<br>&<br>05.09.2024  | Improving the Performance of<br>EthereumBlockchain Cyber Secured Cloud<br>Computing Model         | Anna University,<br>Chennai                   |
| 5            | Ms.T.Harith<br>a           | 04.09.2024<br>&<br>05.09.2024  | Improving the Performance of<br>EthereumBlockchain Cyber Secured Cloud<br>Computing Model         | Anna University,<br>Chennai                   |

## WORKSHOP – ATTENDED BY FACULTY

| S.No. | Name of the faculty | National / International | Date       | Topic   | Name of the college                            |
|-------|---------------------|--------------------------|------------|---|--|
| 1.    | Ms.B.Madhubala      | International            | 28.11.2024 | Connect, Simulate and Innovate using Arduino on Cloud | FOSSEE and Spoken Tutorial Project, IIT Bombay |

## FACULTY DEVELOPMENT PROGRAMME/TRAINING ATTENDED BY FACULTY

| S.No. | Name of the faculty | National / International | Date                     | Topic  | Name of the college                                 |
|-------|---------------------|--------------------------|--------------------------|--|---|
| 1.    | FDP                 | Ms. B. Madhubala         | 16.12.2024 to 21.12.2024 | Generative AI: Innovations in Creativity, Industry Applications and Ethical Challenges | Sri Shanmugha College of engineering and Technology |
| 2.    | Training            | Ms. B. Madhubala         | 10.12.2024               | Virtual Domain Specific Training on Virtual labs                                       | National Mission on Education through ICT           |
| 3.    | FDP                 | Ms. P. Sudha             | 10.12.2024               | VLAB Domain Intensive Session Quantum  | PALS  |
| 4.    | FDP                 | Ms. C. Visali            | 02.12.2024 to 07.12.2024 | Neuromorphic Computing for Viable and Sustainable Generative AI FDP on Effective       | ATAL Academy  |
| 5.    | FDP                 | Ms. G. Gomathi           | 28.11.2024 to 30.11.2024 | Communication Connect, Simulate and Innovate using Arduino on Cloud                    | VCEW  |
| 6.    | FDP                 | Ms. P. Sudha             | 28.11.2024               | Recent Advancements in AI IoT  | IIT Spoken Tutorial                                 |
| 7.    | FDP                 | Mr. E. Thangadurai       | 25.11.2024 to 30.11.2024 | Quality Reaearch Writing and Publishing  | Periyar Maniyammai Institute of Technology          |
| 8.    | FDP                 | Ms. G. Gomathi           | 16.11.2024               |  | VICAS   |

|     |          |                    |                          |  |  |
|-----|----------|--------------------|--------------------------|--|--|
| 9.  | FDP      | Ms. R. Logambal    | July-Oct 2024            | Advanced Distributed Systems                                   | NPTEL  |
| 10. | FDP      | Ms. I. Kalaiyarasi | July-Oct 2024            | Design and Implementation of Human-Computer Interfaces         | NPTEL  |
| 11. | FDP      | Ms.T.Janani        | July - Nov 2024          | Introduction to Industry 4.0 and Industrial Internet of Things | NPTEL  |
| 12. | FDP      | Mr.D.Justin Jose   | 25.10.2024 to 26.10.2024 | Origin Lab   | PG & Research Department of Computer Science & Applications, VICAS |
| 13. | FDP      | Ms.P.Sudha         | 25.10.2024 to 26.10.2024 | Origin Lab   | PG&Research Department of Computer Science & Applications, VICAS   |
| 14. | FDP      | Ms.C.Visali        | 21.10.2024 to 25.10.2024 | Programming Essentials in Python (Online Live FDP)             | ICT Academy  |
| 15. | Training | Ms.R. Logambal     | 21.10.2024               | IEEE Training on "IEEE Xplore"                                 | EBSCO Information services   |
| 16. | Training | Ms.C.Visali        | 21.10.2024               | IEEE Training on "IEEE Xplore"                                 | EBSCO Information services   |
| 17. | Training | Ms.T.Janani        | 21.10.2024               | IEEE Training on "IEEE Xplore"                                 | EBSCO Information services   |
| 18. | FDP      | Mr.E.Thangadurai   | July - Sep 24            | Introduction to Machine Learning                               | NPTEL  |
| 19. | FDP      | Ms.B.Madhubala     | July - Sep 24            | Research Methodology   | NPTEL  |

|     |     |                     |                                |   |                                      |
|-----|-----|---------------------|--------------------------------|---|--------------------------------------|
| 20. | FDP | Ms.A.Sumathi        | July - Sep 24                  | Data Science for Engineers  | NPTEL                                |
| 21. | FDP | Ms.S.Brindha        | July - Sep 24                  | Data Science for Engineers  | NPTEL                                |
| 22. | FDP | Ms.R. Logambal      | 16.09.2024<br>to<br>20.09.2024 | Cryptography and Network Security                                 | Erode Sengunthar Engineering College |
| 23. | FDP | Dr.A.V.SanthoshBabu | 16.09.2024<br>to<br>20.09.2024 | Cryptography and Network Security                                 | Erode Sengunthar Engineering College |
| 24. | FDP | Ms.T.Haritha        | 16.09.2024<br>to<br>20.09.2024 | Cryptography and Network Security                                 | Erode Sengunthar Engineering College |
| 25. | FDP | Ms.T.Janani         | 16.09.2024<br>to<br>20.09.2024 | Cryptography and Network Security                                 | Erode Sengunthar Engineering College |
| 26. | FDP | Ms.C.Visali         | 16.09.2024<br>to<br>20.09.2024 | Cryptography and Network Security                                 | Erode Sengunthar Engineering College |
| 27. | FDP | Dr.A.V.SanthoshBabu | 02.09.2024<br>to<br>14.09.2024 | Embark on a Hands on journey into Artificial Intelligence Mastery | Erode Sengunthar Engineering College |
| 28. | FDP | Ms.T.Haritha        | 02.09.2024<br>to<br>14.09.2024 | Embark on a Hands on journey into Artificial Intelligence Mastery | Erode Sengunthar Engineering College |
| 29. | FDP | Ms.T.Janani         | 02.09.2024<br>to<br>14.09.2024 | Embark on a Hands on journey into Artificial Intelligence Mastery | Erode Sengunthar Engineering College |
| 30. | FIP | Ms.G.Gomathi        | 31.08.2024                     | Faculty Induction Program   | IQAC , VCEW                          |
| 31. | FIP | Ms.B.Madhubala      | 31.08.2024                     | Faculty Induction Program   | IQAC , VCEW                          |
| 32. | FIP | Ms.A.Sumathi        | 31.08.2024                     | Faculty Induction Program   | IQAC , VCEW                          |

|     |     |                     |                          |  |   |
|-----|-----|---------------------|--------------------------|--|---|
| 33. | FIP | Ms.S.Brindha        | 31.08.2024               | Faculty Induction Program                          | IQAC , VCEW                                   |
| 34. | FDP | Ms.G.Gomathi        | 16.08.2024 & 17.08.2024  | Deep Learning and IoT in Precision Healthcare      | Kongu Engineering College                     |
| 35. | FDP | Ms.S.Merena         | 09.08.2024 to 12.08.2024 | Full Stack Development by GUVI                     | Vivekanandha College of Engineering for Women |
| 36. | FDP | Ms.G.Gomathi        | 09.08.2024 to 12.08.2024 | Full Stack Development by GUVI                     | Vivekanandha College of Engineering for Women |
| 37. | FDP | Ms.I.Kalaiyarasi    | 09.08.2024 to 12.08.2024 | Full Stack Development by GUVI                     | Vivekanandha College of Engineering for Women |
| 38. | FDP | Ms.B.Madhubala      | 09.08.2024 to 12.08.2024 | Full Stack Development by GUVI                     | Vivekanandha College of Engineering for Women |
| 39. | FDP | Ms.A.Sumathi        | 09.08.2024 to 12.08.2024 | Full Stack Development by GUVI                     | Vivekanandha College of Engineering for Women |
| 40. | FDP | Mr.D.Justin Jose    | 09.08.2024 & 10.08.2024  | Full Stack Development                             | GUVI Geek Pvt Ltd.                            |
| 41. | FDP | Dr.A.V.SanthoshBabu | 22.07.2024 to 26.07.2024 | OpenCV for Image and Video Processing Applications | Erode Sengunthar Engineering College          |
| 42. | FDP | Ms.T.Haritha        | 22.07.2024 to 26.07.2024 | OpenCV for Image and Video Processing Applications | Erode Sengunthar Engineering College          |
| 43. | FDP | Ms.T.Janani         | 22.07.2024 to 26.07.2024 | OpenCV for Image and Video Processing Applications | NITTR, Chandigarh                             |
| 44. | FDP | Ms.R.Logambal       | 22.07.2024 to 26.07.2024 | Microsoft Azure AI Engineer Associate              | ICT ACADEMY                                   |

|     |     |                  |                                |   |                |
|-----|-----|------------------|--------------------------------|---|----------------|
| 45. | FDP | Ms.A.Sumathi     | 22.07.2024<br>to<br>26.07.2024 | Microsoft Azure AI<br>Engineer Associate                        | ICT ACADEMY    |
| 46. | FDP | Ms.P.Sudha       | 22.07.2024<br>to<br>26.07.2024 | Microsoft Azure AI<br>Engineer Associate                        | ICT ACADEMY    |
| 47. | FDP | Ms.I.Kalaiyarasi | 05.07.2024<br>&<br>06.07.2024  | Basic FDP in AICTE<br>IDEA Lab                                  | AICTE IDEA Lab |
| 48. | FDP | Ms.B.Madhubala   | 05.07.2024<br>&<br>06.07.2024  | Basic FDP in AICTE<br>IDEA Lab                                  | AICTE IDEA Lab |
| 49. | FDP | Ms.S.Brindha     | 06.06.2024<br>to<br>08.06.2024 | Inculcating Universal<br>Human Values in<br>Technical Education | AICTE at KSRCT |

### ONLINE COURSE – ATTENDED BY FACULTY

| S.No. | Name of the faculty | Date   | Topic  | Name of the college |
|-------|---------------------|--|--|---------------------|
| 1.    | Dr.S.Radha          | Jul-Oct 2024<br>(12 Weeks)                               | Practical Cyber Security for<br>Cyber Security Practitioners         | NPTEL               |
| 2.    | Mr.E.Thangadurai    | Jul-Sep 2024<br>(08 Weeks)<br>Aug-Oct 2024<br>(12 Weeks) | Introduction to Machine<br>Learning                                  | NPTEL               |
| 3.    | Mr.E.Thangadurai    | Jul-Oct 2024<br>(12 Weeks)                               | Google Cloud Computing   | NPTEL               |
| 4.    | Ms.R.Logambal       | Jul-Oct 2024<br>(12 Weeks)                               | Advanced Distributed<br>Systems                                      | NPTEL               |
| 5.    | Ms.C.Visali         | Aug-Oct 2024<br>(12 Weeks)                               | Big Data Computing   | NPTEL               |
| 6.    | Ms.S.Merena         | Jul-Oct 2024<br>(12 Weeks)                               | Cloud Computing  | NPTEL               |
| 7.    | Ms.T.Janani         | Jul-Oct 2024<br>(12 Weeks)                               | Introduction to Industry 4.0<br>and Industrial Internet of<br>Things | NPTEL               |
| 8.    | Ms.T.Haritha        | Jul-Oct 2024<br>(12 Weeks)                               | Cloud Computing  | NPTEL               |
| 9.    | Ms.T.Haritha        | Jul-Oct 2024<br>(12 Weeks)                               | Social Network Analysis  | NPTEL               |

|     |                  |  |   |  |
|-----|------------------|--|---|--|
| 10. | Ms.S.Brindha     | Jul-Sep 2024<br>(08 Weeks)                 | Data Science for Engineers                                    | NPTEL  |
| 11. | Ms.I.Kalaiyarasi | Jul-Oct 2024<br>(12 Weeks)<br>Jul-Sep 2024 | Design and Implementation<br>of Human-Computer<br>Interfaces  | NPTEL  |
| 12. | Ms.B.Madhubala   | (08 Weeks)<br>Jul-Oct 2024                 | Research Methodology  | NPTEL  |
| 13. | Mr.D.Justin Jose | (12 Weeks)<br>Aug-Oct 2024<br>(12 Weeks)   | The Joy of Computing using<br>Python                          | NPTEL  |
| 14. | Ms.G.Gomathi     |  | Google Cloud Computing  | NPTEL  |
| 15. | Ms.A.Sumathi     | Jul-Sep 2024<br>(08 Weeks)<br>Jul-Oct 2024 | Data Science for Engineers                                    | NPTEL  |
| 16. | Dr.V.Hemalatha   | (12 Weeks)<br>Jul-Aug 2024                 | Engineering Mathematics-I                                     | NPTEL  |
| 17. | Dr.V.Hemalatha   | (04 Weeks)                                 | Design Thinking – A Primer                                    | NPTEL  |
| 18. | Ms.A.Preethi     | Jul-Oct 2024<br>(12 Weeks)                 | Basic Environmental<br>Engineering and Pollution<br>Abatement | NPTEL  |
| 19. | Mr.S.Tamilvanan  | Jul-Oct 2024<br>(12 Weeks)                 | Metal Additive<br>Manufacturing                               | NPTEL  |
| 20. | Ms.I.Kalaiyarasi | 12.08.2024                                 | IA Training- Foundation<br>level                              | Innovation<br>Ambassador<br>(Online<br>Platform) |
| 21. | Ms.I.Kalaiyarasi | 12.08.2024                                 | IA Training- Advanced level                                   | Innovation<br>Ambassador<br>(Online<br>Platform) |
| 22. | Ms.I.Kalaiyarasi | 12.08.2024                                 | IA Training- Reskilling level                                 | Innovation<br>Ambassador<br>(Online<br>Platform) |

## RESEARCH PAPERS PRESENTED BY FACULTY AT INTERNATIONAL CONFERENCES

| S.No. | Name of the faculty | Title of the conference | Title of the paper  | Name of the college                     | Date                     |
|-------|---------------------|-------------------------|---|---|--------------------------|
| 1.    | Ms.C.Visali         | ICPECTS - 2024          | Transforming Homes into Smart Havens : Advanced Control with NodeMCU and Android Technology | Sri Sairam Engineering College, Chennai | 08.10.2024 & 09.10.2024  |
| 2.    | Dr.A.V.SanthoshBabu | AGAIQCSD-2024           | Optimizing Intrusion Detection systems for Energy Consious MANET's                          | Sengunthar Engineering College Erode    | 01.10.2024 to 03.10.2024 |
| 3.    | Dr.A.V.SanthoshBabu | AGAIQCSD-2024           | Analysing the Efficiency of an Ethereum-Driven Cyber security model in Cloud Computing      | Sengunthar Engineering College Erode    | 01.10.2024 to 03.10.2024 |
| 4.    | Dr.A.V.SanthoshBabu | ICPCES - 2024           | Improving the Performance of Ethereum Blockchain Cyber Secured Cloud Computing Model        | Anna University, Chennai                | 04.09.2024 & 05.09.2024  |
| 5.    | Ms.T.Haritha        | ICPCES - 2024           | Improving the Performance of Ethereum Blockchain Cyber Secured Cloud Computing Model        | Anna University, Chennai                | 04.09.2024 & 05.09.2024  |

## RESEARCH PUBLICATIONS BY FACULTY ( INTERNATIONAL)

| S.No. | Name of the Author(s) | International | UGC/ Scopus/ Others | Publication date | Name of the journal | Title of the paper  | ISSN no.                             |
|-------|-----------------------|---------------|---------------------|------------------|---------------------|---|--------------------------------------|
| 1     | Dr.A.V.Santhosh Babu  | International | SCI/ Scopus         | July 2024        | Scopus              | Early-stage stroke prediction based on Parkinson and wrinkles using deep learning | ISSN : 1433-3058<br>Vol.36 / Issue 1 |
| 2     | Ms.T.Haritha          | International | SCI/ Scopus         | July 2024        | Scopus              | Early-stage stroke prediction based on Parkinson and wrinkles using deep learning | ISSN : 1433-3058<br>Vol.36 / Issue 1 |

## NUMBER OF BOOKS / BOOK CHAPTERS PUBLISHED BY FACULTY

| S.No. | Name of the faculty | Name of the book / book chapter | Topic   | ISBN No.   | Publisher name               | Publication date |
|-------|---------------------|---------------------------------|---|--|------------------------------|------------------|
| 1.    | Dr.S.Radha          | Book Chapter                    | Applications, Requirements, Architectures, Security Issues and Emerging Motivation for Smarter Healthcare | DOI :10.4018/979-8-3693-2268-0.ch007             | IGI Global (Scopus Indexed ) | August 2024      |
| 2.    | Ms.C.Visali         |                                 |   |  |                              |                  |
| 3.    | Ms.R.Logambal       |                                 |   |  |                              |                  |
| 4.    | Dr.S.Radha          | Book Chapter                    | An Extensive Investigation of Meta-Heuristics Algorithms for Optimization Problems                        | DOI : 10.4018/979-8-3693-3314-3.ch012<br>ISBN-13 | IGI Global                   | July 2024        |
| 5.    | Ms.P.Sudha          | Book                            | Deep Learning in Healthcare:Unlocking the potential of medical data                                       | 979-8894758701                                   | Notion Press                 | July 2024        |
| 6.    | Ms.S.Brindha        |                                 |   |  |                              |                  |

## PATENTS PUBLISHED BY FACULTY

| S.No. | Date       | Name of the faculty  | Topic   | Indian / Foreign | Patent no.    | Filed/ Published/ Awarded |
|-------|------------|----------------------|---|------------------|---------------|---------------------------|
| 1     | 09.08.2024 | Dr.A.V.Santhosh Babu | Autism Detection using Pre-Trained models in Machine Learning | Indian Patent    | 202441059195A | Published on 09.08.2024   |

## RESEARCH PAPERS PUBLISHED BY FACULTY AT INTERNATIONAL CONFERENCES

| S. No. | Name of the faculty | Title of the conference | Title of the paper   | Name of the college                     | Journal name | UGC/ Scopus/ Others | Publication date |
|--------|---------------------|-------------------------|--|---|--------------|---------------------|------------------|
| 1.     | Dr.S.Radha          | ICPECTS                 | Tracking and Monitoring the Safety of the child in the Stoller | Sri Sairam Engineering College, Chennai | IEEE         | IEEE Xplore         | December 2024    |
| 2.     | Ms.C.Visali         | ICPECTS                 | Transforming Homes into Smart                                  | Sri Sairam Engineering                  | IEEE         | IEEE Xplore         | December 2024    |

|    |                          |       |   |                            |      |                |                  |
|----|--------------------------|-------|---|----------------------------|------|----------------|------------------|
|    |                          |       | Heavens :<br>Advanced Control<br>with Node MCU<br>and Android<br>Technology | College,<br>Chennai        |      |                |                  |
| 3. | Dr.A.V.Sant<br>hosh Babu | ICECA | Detection of Autism<br>Disorder using<br>Machine Learning<br>Techniques     | RVS<br>Technical<br>Campus | IEEE | IEEE<br>Xplore | November<br>2024 |

### INTERNSHIPS ATTENDED BY STUDENTS

| S.No | Reg.no       | Student Name       | Company Name                        | Duration/<br>Weeks                   | Project Title  |
|------|--------------|--------------------|-------------------------------------|--------------------------------------|--|
| 1    | 612921104001 | AARTHIKA P         | M/S Bharat Heavy<br>Electricals ltd | 11/06/24 -<br>30/06/24<br>(2 weeks)  | Pdf managing tool  |
| 2    | 612921104002 | ABINAYA S          | Eduphoenix<br>solutions             | 07/06/24 -<br>07/07/24<br>(4 weeks)  | Fake news detection<br>using<br>Machine Learning   |
| 3    | 612921104003 | AISHWARYA R        | Adventure<br>technology solutions   | 11/06/24 -<br>05/07/24<br>(3 weeks)  | Health Tracking Analysis   |
| 4    | 612921104004 | AJITHA K           | Shiash infotech<br>solutions        | 01/06/24 -<br>15/06/24<br>(2 weeks)  | Smart food ordering<br>website<br>using fullstack with<br>python                           |
| 5    | 612921104005 | AMIRTHAVARSHINI J  | Eduphoenix<br>solutions             | 07/06/24 -<br>07/07/24<br>(4 weeks)  | Credit card fraud<br>detection   |
| 6    | 612921104006 | ANANTHIKA V        | Techvolt software                   | 11/06/24 -<br>11/07/24<br>(4 weeks)  | Mental Health Analysis   |
| 7    | 612921104007 | ARTHI S            | IMAGECON INDIA                      | 06/06/24 -<br>20/06/24)<br>(2 weeks) | Flipkart Reviews<br>Sentiment Analysis   |
| 8    | 612921104008 | BHAVAKARNIKA A     | Techvolt software                   | 11/06/24 -<br>11/07/24<br>(4 weeks)  | Mental Health Analysis   |
| 9    | 612921104009 | DHARSHINI M        | Shiash infotech<br>solutions        | 11/06/24 -<br>30/06/24<br>(2 weeks)  | Predictive models for<br>Early<br>detection of viral<br>symptoms using Machine<br>Learning |
| 10   | 612921104010 | DHIVYAVARSHINI S A | Techvolt software                   | 11/06/24 -<br>11/07/24<br>(4 weeks)  | Mental Health Analysis   |
| 11   | 612921104011 | DIVYA V            | Shiash infotech<br>solutions        | 10/06/24 -<br>30/06/24<br>(2 weeks)  | Big Mart sales prediction  |

|    |              |                  |                                |                               |  |
|----|--------------|------------------|--------------------------------|-------------------------------|--|
| 12 | 612921104012 | DIVYAPRIYA R     | Eduphoenix solutions           | 07/06/24 - 07/07/24 (4 weeks) | Credit card fraud detection  |
| 13 | 612921104013 | HARINI T         | Eduphoenix solutions           | 07/06/24 - 07/07/24 (4 weeks) | Credit card fraud detection  |
| 14 | 612921104014 | HARSHAVARDHINI M | Shiash infotech solutions      | 11/06/24 - 30/06/24 (2 weeks) | Predictive models for early detection of viral symptoms using Machine Learning |
| 15 | 612921104015 | HEMALATHA J      | Eduphoenixsolutions            | 07/06/24 - 07/07/24 (4 weeks) | Fake news detection using Machine Learning                                     |
| 16 | 612921104016 | JANANI K         | Accent Techno Soft             | 03/06/24 - 03/07/24 (4 weeks) | Public complaint management system   |
| 17 | 612921104017 | JANANI M         | Eduphoenix solutions           | 07/06/24 - 07/07/24 (4 weeks) | Fake news detection using Machine Learning                                     |
| 18 | 612921104018 | JANANI S V       | CodeBind Technologies          | 10/06/24 - 30/06/24 (2 weeks) | Gym Management website   |
| 19 | 612921104019 | JAYASRI G        | Adventure technologiesolutions | 11/06/24 - 05/07/24 (3 weeks) | Health Tracking Analysis   |
| 20 | 612921104020 | JAYASRI S        | IMAGECON INDIA                 | 06/06/24 - 20/06/24 (2 weeks) | Improving Property Price Indices through Model Agnostic MachineLearning        |
| 21 | 612921104022 | JOTHIKA M        | Eagle-Tech IT Solutions        | 03/06/24 - 03/07/24 (4 weeks) | An efficient Segmentation Based Technique for Incrementing Business            |
| 22 | 612921104023 | KAAMALI R        | Eagle-Tech IT Solutions        | 03/06/24 - 05/07/24 (4 weeks) | Customer Relationship Management   |
| 23 | 612921104024 | KAYALVIZHI S     | Eagle-Tech IT Solutions        | 03/06/24 - 05/07/24 (4 weeks) | Customer Relationship Management   |
| 24 | 612921104025 | KEERTHANA G      | Shiash infotech solutions      | 10/06/24 - 30/06/24 (4 weeks) | Big Mart sales prediction  |
| 25 | 612921104026 | KISHANTHINI S    | Shiashinfotech solutions       | 11/06/24 - 30/06/24 (2 weeks) | Predictive models for early detection of viral symptoms using Machine Learning |
| 26 | 612921104027 | KRUPA P          | Accent Techno Soft             | 03/06/24 - 03/07/24 (4 weeks) | Student attendance management System Using FullStack with PHP                  |
| 27 | 612921104028 | MADHUMITHA M     | Eagle-Tech IT Solutions        | 03/06/24 - 03/07/24 (4 weeks) | An efficient Segmentation Based Technique for Incrementing Business            |
| 28 | 612921104029 | MAHALAKSHMI R    | Techvoltsoftware               | 11/06/24 - 11/07/24 (4 weeks) | Mental Health Analysis   |

|    |              |                   |  |                                     |  |
|----|--------------|-------------------|--|-------------------------------------|--|
| 29 | 612921104030 | MOUSIGAPRABHA K   | IMAGECON INDIA                                     | 06/06/24 -<br>20/06/24<br>(2 weeks) | Improving Property Price<br>Indices through Model<br>Agnostic Machine<br>Learning  |
| 30 | 612921104031 | NISHANTHI C       | Techvoltsoftware                                   | 11/06/24 -<br>11/07/24<br>(4 weeks) | Water<br>potability prediction   |
| 31 | 612921104032 | NIVITHA I         | CodeBind<br>Technologies                           | 10/06/24 -<br>30/06/24<br>(2 weeks) | Hostel student<br>Management Website<br>Using Web-Development  |
| 32 | 612921104033 | PARIMALA D        | Shiashinfotech<br>solutions                        | 10/06/24 -<br>30/06/24<br>(2 weeks) | Expenses tracker using<br>python flask   |
| 33 | 612921104035 | PRAKATI D         | NeubAlticstech pvt<br>Ltd                          | 03/06/24 -<br>03/07/24<br>(4 weeks) | Smart light automation<br>Using Internet Of Things   |
| 34 | 612921104036 | PRAVEENA S        | Shiashinfotech<br>solutions                        | 01/06/24 -<br>15/06/24<br>(2 weeks) | Smart food ordering<br>website<br>using fullstack with<br>python   |
| 35 | 612921104037 | PUNITHA S         | Eduphoenixsolutions                                | 07/06/24 -<br>07/07/24<br>(4 weeks) | Leave Management<br>System   |
| 36 | 612921104038 | ROJA A            | Eduphoenixsolutions                                | 07/06/24 -<br>07/07/24<br>(4 weeks) | Leave Management<br>System<br>Hostel student   |
| 37 | 612921104040 | SAPNA S           | CodeBind<br>Technologies                           | 10/06/24 -<br>30/06/24<br>(2 weeks) | Management Website<br>Using Web-Development<br>Improving Property Price<br>Indices through Model<br>Agnostic Machine<br>Learning |
| 38 | 612921104041 | SARADHAMMAL S     | IMAGECON INDIA                                     | 06/06/24 -<br>20/06/24<br>(2 weeks) | Improving Property Price<br>Indices through Model<br>Agnostic Machine<br>Learning  |
| 39 | 612921104042 | SELVAPRIYANKA S   | Techvolt software                                  | 11/06/24 -<br>11/07/24<br>(4 weeks) | Water<br>potability prediction   |
| 40 | 612921104043 | SHALINI G         | NeubAltics tech pvt<br>Ltd                         | 03/06/24 -<br>03/07/24<br>(4 weeks) | Smart light automation<br>Using Internet Of Things   |
| 41 | 612921104044 | SHARMILA P        | Eduphoenix<br>solutions                            | 07/06/24 -<br>07/07/24<br>(4 weeks) | Leave Management<br>System   |
| 42 | 612921104045 | SINDHU BHARATHI V | Eagle-Tech IT<br>Solutions<br>Adventure            | 03/06/24 -<br>05/07/24<br>(4 weeks) | Customer Relationship<br>Management  |
| 43 | 612921104046 | SIVA PRIYA M      | technology solutions<br>Eagle-Tech IT<br>Solutions | 11/06/24 -<br>05/07/24<br>(3 weeks) | Health Tracking Analysis   |
| 44 | 612921104047 | SNEGA G           | Solutions  | 03/06/24 -<br>03/07/24<br>(4 weeks) | An efficient Segmentation<br>Based Technique for<br>Incrementing Business  |
| 45 | 612921104048 | SOUNDHARYA S      | Accent Techno Soft                                 | 03/06/24 -<br>03/07/24<br>(4 weeks) | Patient Health Record<br>Management System<br>Using Block Chain  |
| 46 | 612921104049 | SRIDEVI S         | Techvolt software                                  | 11/06/24 -<br>11/07/24<br>(4 weeks) | Water<br>potability prediction   |
| 47 | 612921104050 | SRIHARINI S       | Shiash infotech<br>solutions                       | 10/06/24 -<br>30/06/24<br>(2 weeks) | Expenses tracker using<br>python flask   |

|    |              |               |                                |                                  |  |
|----|--------------|---------------|--------------------------------|----------------------------------|--|
| 48 | 612921104051 | SRIRANJANI B  | IMAGECON INDIA                 | 06/06/24 - 20/06/24<br>(2 weeks) | Improving Property Price Indices through Model Agnostic Machine Learning |
| 49 | 612921104052 | SUBASHINI C   | Code Bind Technologies         | 10/06/24 - 30/06/24<br>(2 weeks) | Gym Management website   |
| 50 | 612921104053 | SWATHI R      | IMAGECON INDIA                 | 06/06/24 - 20/06/24<br>(2 weeks) | Flipkart Reviews Sentiment Analysis                                      |
| 51 | 612921104054 | TAMIL SELVI K | Adventure technology solutions | 11/06/24 - 05/07/24<br>(4 weeks) | Health Tracking Analysis   |
| 52 | 612921104055 | THIRISA R     | NeubAltics tech pvt Ltd        | 03/06/24 - 03/07/24<br>(4 weeks) | Smart light automation Using Internet Of Things                          |
| 53 | 612921104056 | UVARANI M     | Adventure technology solutions | 11/06/24 - 05/07/24<br>(4 weeks) | Health Tracking Analysis   |
| 54 | 612921104057 | VANMATHI M    | Shiash infotech solutions      | 10/06/24 - 30/06/24<br>(2 weeks) | Expenses tracker using python flask                                      |
| 55 | 612921104058 | VARSHA M      | Eagle-Tech IT Solutions        | 03/06/24 - 05/07/24<br>(4 weeks) | Customer Relationship Management   |
| 56 | 612921104059 | VARSHINI C    | Code Bind Technologies         | 10/06/24 - 30/06/24<br>(2 weeks) | Gym Management website   |
| 57 | 612921104060 | VARSHINI S    | Accent Techno Soft             | 03/06/24 - 03/07/24<br>(4 weeks) | Patient Health Record Management System Using Block Chain                |
| 58 | 612921104061 | VISWASHINI K  | CodeBind Technologies          | 10/06/24 - 30/06/24<br>(2 weeks) | Hostel student Management Website Using Web-Development                  |
| 59 | 612921104062 | YOGAPRIYA P   | Shiashinfotech solutions       | 10/06/24 - 30/06/24<br>(2 weeks) | Expenses tracker using python flask                                      |
| 60 | 612921104063 | YOGESHWARI A  | Accent Techno Soft             | 03/06/24 - 03/07/24<br>(4 weeks) | Public complaint management system                                       |
| 61 | 612921104301 | SAKTHI SRI G  | Accent Techno Soft             | 03/06/24 - 03/07/24<br>(4 weeks) | Student attendance management System Using FullStack with PHP            |
| 62 | 612921104501 | GOMATHI N     | Accent Techno Soft             | 03/06/24 - 03/07/24<br>(4 weeks) | Public complaint management system                                       |

## EVENTS ORGANIZED THROUGH ASSOCIATION

| S. No. | Date       | Name of the faculty                     | Event                    | Topic   | Resource person  | Total No. of participants |
|--------|------------|---|--------------------------|---|--|---------------------------|
| 1      | 15.07.2024 | Ms.I.Kalaiyarasi<br>Assistant Professor | Interactive Session      | "Trends in Technology"                                | Mr.Sairaman Srinivasan,<br>Chief Strategy Officer,<br>Consortium for Technical Education,<br>CTE,<br>Chennai-600001.<br>Dr.ShankarVenugopal                                    | 61                        |
| 2      | 21.09.2024 | Mrs.S.Brindha<br>Assistant Professor    | Expert Talk              | "Career Opportunities"                                | Vice President,<br>Mahindra Research Valley,<br>Chennai-600002   | 56                        |
| 3      | 23.09.2024 | Mrs.B.Madhubala<br>Assistant Professor  | Hands on Session         | "Resume Building"                                     | Mr.JayasuryaGnanavel,<br>Founder & CEO,<br>Cybernaut Edu-Tech LLP, Karur-639002.   | 62                        |
| 4      | 13.11.2024 | Association Inauguration                | Association Inauguration | "AI in practice: LLM, RAG and Voice Tech"             | Ms.G.Swathi,<br>Data Scientist, Speech Engineer,<br>Prahastech Pvt. Ltd,<br>Hyderabad.<br>Mr.Virender Singh, Sr.<br>Consultant,<br>Aspire For Her Foundation,<br>Mumbai-400018 | 191                       |
| 5      | 18.11.2024 | Mrs.B.Madhubala<br>Assistant Professor  | Workshop                 | "Unleashing Innovation: The Generative AI Revolution" |  | 61                        |



*Workshop on "Unleashing Innovation: The Generative AI Revolution"*



*Interactive Session on Trends in Technology*



*Expert Talk on Career Opportunities*



## **DEPARTMENT OF INFORMATION TECHNOLOGY**

### **Welcome to the Department of Information Technology**

The Department of Information Technology was established in the year 2001. During the inception the intake was 45. Intake was increased to 60 in 2004 and also Intake was increased to 120 in 2024. The Department is offering UG (B.Tech., IT) and PG (M.Tech., IT) courses. The department is accredited by NBA. The primary goal of our department is to provide best IT infrastructure, learning & research environment, adopt industry practices through industry collaborations and inculcate moral and ethical values. The Department has well experienced faculty members with specialization in Data Mining, Computer Networks, Network Security, Cyber Security, Big Data Analytics, Image Processing, Artificial Intelligence, Cloud Computing and Inter of Things. The department concentrates in imparting value based education and reach for the highest levels of intelligence in all works of life and to provide individual attention and to give more room for research and industrial interaction. The Department has a separate library with the collection of more than 2600 books for exclusive use of faculty and students.

### **HOD's MESSAGE**



*I am pleased to present the Department of Information Technology Newsletter for the Academic Year 2024–25 (Odd Semester), which reflects the vibrant academic and co-curricular activities of our faculty and students. Our department takes pride in fostering a stimulating learning environment, where dedicated faculty members motivate students to enhance their technical skills, embrace innovation, and work together as a team.*

## **DEPARTMENT OF INFORMATION TECHNOLOGY 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. 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 (CSE, EEE, BT, IT & ECE), NAAC with A++ Grade, and Tata Consultancy Services (TCS). The Institution is marching towards excellence under the able guidance of Prof. S. Kuppuswami, 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 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 department 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.*

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# VIVEKANANDHA

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 (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 - 637205, Tiruchengode, NamakkalDt.



## DEPARTMENT OF INFORMATION TECHNOLOGY



### ZealTech 2K25

#### MISSION

#### VISION

Providing quality education to transform students into technically competent skilled women to excel in IT profession, innovation and entrepreneurship.

- ¶ To empower knowledge on cutting-edge technologies in the field of Information Technology to develop innovative solutions for real-world problems.
- ¶ To create a platform for innovation, research and new technology development
- ¶ To inculcate ethical practices, life-long learning and sense of societal responsibilities to support the career and personal development of the learners.





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