



VIVEKANANDHA

COLLEGE OF ENGINEERING FOR WOMEN (Autonomous)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TECHIONZ

VOLUME 2



NEWSLETTER

January 2025 - May 2025

ABOUT THE INSTITUTION

Vivekananda College of Engineering for Women, an Autonomous institution, affiliated to Anna university accredited by NAAC, AICTE, New Delhi, TCS and ANISO 9000:2008 certified institute started in 2001 with 144 students, acquired an Autonomous status in 2013 academic year stretching its arm widely towards the students strength of 2200 and faculty of 200 at present. The institute offering 7 U.G. Engineering Degree Programmes (CSE, IT, CST, ECE, EEE, BME & BT), 5 P.G. Engineering Degree Programmes (CSE, IT, PSE,BT and VLSI Design), and all departments are recognized as research Centers under Anna University.

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.

EDITORIAL BOARD

- Editor in Chief : Dr.C.POONGODI, Professor & Head
Department of Computer Science and Engineering
- Editor : Mrs.J.KAVIPRIYA, AP/CSE
Mr.R.DHAMOTHARAN, AP/CSE
- Students Coordinators : Ms.A.ANISHA, III Year CSE
Ms.S.HANIYA BEGUM, III Year CSE
Ms.M.THIVYA, III Year CSE
Ms.M.VAISHNAVI, III Year CSE
Ms.A.VARTHINI, III Year CSE
Ms.V.GIRIJA, II Year CSE
Ms.K.MADHUMITHA, II Year CSE
Ms.S.RAMYABARATHI, II Year CSE
Ms.N.HEENA, I Year CSE
Ms.P.IRIS DANICA, I Year CSE
Ms.R.SHREENITHI, I Year CSE
Ms.J.THEJASVINI, I Year CSE

EDITOR'S DESK

It's our privilege to release the Second news letter for this academic year 2024-25. We thank our team, staff members and the students for their kind cooperation.



PO1:

Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering Specialization to the solution of complex engineering problems.

PO2:

Problem Analysis : Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3:

Design/Development of solutions : Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and Environmental considerations.

PO4:

Conduct Investigations of Complex problems : Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5:

Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6:

The Engineer and Society : Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the Professional engineering practice.

PO7:

Environment and Sustainability: Understand the impact of the Professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.

PO8:

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9:

Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in Multidisciplinary settings.

PO10:

Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and Receive clear instructions.

PO11:

Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to Manage projects and in multidisciplinary environments.

PO12:

Life-Long Learning : Recognize the need for, and have the preparation and ability to engage in independent and life-long Learning in the broadest context of technological change.

Program Educational Objectives (PEOs)

PEO1: Graduates will have successful careers with strong fundamental and technical skills in industry that meet the needs of Indian and multinational companies.

PEO2: Graduates will become successful entrepreneurs with determination, development, self-reliance, leadership, ethic and moral values to exploit employability.

PEO3: Graduates will pursue higher education and engage in lifelong learning to foster personal and organizational growth.

Program Specific Outcomes (Psos)

Graduates of Computer Science and Engineering will be able to

PSO1: Develop computational solution to complex real world problems with modern programming tools.

PSO2: Demonstrate basic knowledge of computer applications and apply standard practices in developing feasible solutions for IT enabled services.

DEPARTMENT VISION & MISSION

DEPARTMENT VISION

To empower women technocrats in the field of Computer Science and Engineering and prepare them for globalized high-tech society to orient them towards serving the dynamic needs of our nation.

DEPARTMENT MISSION

- To foster and strengthen the core competence of Computer Science by adopting innovative methods.**
- To elevate the research, entrepreneurial and employability skills in women technocrats through quality education.**
- To induce values of professional ethics and spirit of social commitment among the student.**

HoD'S MESSAGE



**Dr.C.POONGODI,
HoD/CSE**

It gives me great pleasure to congratulate students, faculty members and staff of Computer Science and Engineering (CSE) Department for the second publication of newsletter in 2024-2025. Newsletter offers valuable insights, tips and resources that inform and educate the students. It reaches the students inbox directly ensuring better visibility. In the era of engineering and technology this newsletter will motivate the faculty members and students to share their creativity and new ideas with the world, and it will help in their overall development. I am confident that the students of the CSE department would justify the credibility of the department by showing a high level of professional competence in their respective field.

I wish Best of Luck to all my dear students and the faculty members....!!!

BONTONZ

24-25

SECRETARY

Ms.G.NaveenaSri IV CSE B

JOIN SECRETARY

Ms.G.Sharumathi III CSE B

TREASURER

Ms.A.Renuka IV CSE B

Ms.S.Harini III CSE A

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Ms.GeethaLakshmi II CSE A

Ms.A.Vasumathi II CSE B

CSI CHAPTER

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Vice President–Ms.S.Logeshwari IV CSE A

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Ms.S.Noorthaj IV EEE

Ms.G.Dhanya Swethaa IV ECE

Ms.M.Karishma Varsha IV B.Tech



BONTONZ

24-25

CODING CLUB

President–Ms.P.Saranya IV CSE B

Vice President –Ms.S.Keerthika IV CSE A

EXECUTIVE MEMBERS

Ms.S.Kalaivani III CSE A

Ms.M.Subasri III CSE B

Ms.S.S.Hemasri II CSE A

Ms.F.Shahanaaz II CSE B

PAL'S –EXECUTIVE MEMBERS

Ms.N.Janani IV CSE A

Ms.D.Misha IV CSE B

Ms.P.Ashika III CSE A

Ms.R.Nithya III CSE B

Ms.Jyothi Ieswarya II CSE A

Ms.S.Shreevarshini II CSE B



DEPARTMENT ACTIVITIES

- An Expert Lecture on "Your Path to Engineering Success - AWS Certifications & Capstone Projects" was conducted on 5th November 2024 by Ms. Bhuvaneshwari Subramani, Chief Cloud Evangelist at Intuitive Cloud, Bengaluru, with 373 participants in attendance.



- A webinar on "Unleashing Innovation: The Generative AI Revolution," sponsored by Aspire For Her, was conducted on 18th November 2024. The session was led by Mr. Virender Singh, an AWS & Azure Certified Trainer, and was attended by 246 participants.



- A webinar on "Unleashing Innovation: The Generative AI Revolution," sponsored by Aspire For Her, was conducted on 18th November 2024. The session was led by Mr. Virender Singh, an AWS & Azure Certified Trainer, and was attended by 246 participants.



- A Masterclass on UI/UX was conducted on 9th January 2025 by GUVI, featuring Mr.V. Lakshmana Narayanan, Senior Manager for Institutions, and Mr. R. Venkata Subramanian, Manager - Mentor, both from GUVI HCL, IITM Research Park. The event was attended by 122 participants.



- An Awareness Program on the POSH Act was conducted on 25th January 2025 by Ms. L. Santhiya, Advocate. The program was attended by 300 participants.



- An Inter-Department Technical Symposium, Techno Palette'25, was held on 24th February 2025, inaugurated by Dr. KCK. Vijayakumar, Principal of VCEW. The event saw the participation of 200 attendees.



- An Inter-Department Technical Symposium, Techno Palette'25, was held on 24th February 2025, inaugurated by Dr. KCK. Vijayakumar, Principal of VCEW. The event saw the participation of 200 attendees.





- A Guest Lecture on “Cloud Computing Unlocked: Expert Insights on Scheduling & Storage Systems” was conducted on 8th March 2025 by Mr. N. Thamotharan, CTO of Inthamous and Visiting Faculty at VCEW. The session was attended by 122 participants.





- A workshop on “Build It from Scratch: Mastering Hardware Assembly” was conducted on 8th March 2025 by Mr. T. Senthilraja, Managing Director of Green CAD Tech. The workshop was attended by 122 participants.





- A Guest Lecture on “Mastering Cloud Computing: Advanced Strategies for Scheduling and Storage Systems” was conducted on 21st March 2025 by Mr. N. Thamotharan, CTO of Inthamous and Visiting Faculty at VCEW. The session was attended by 122 participants.



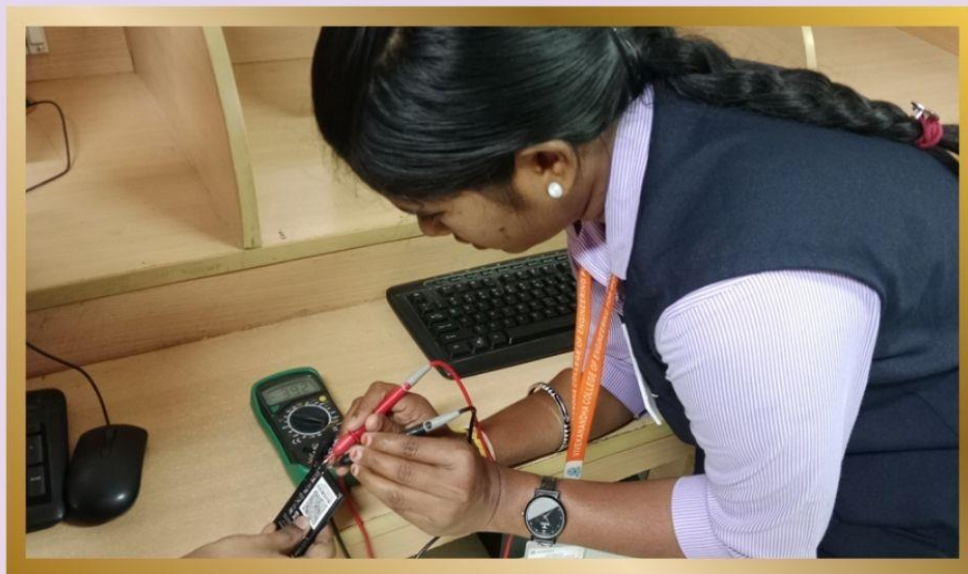
SKILL DEVELOPMENT ACTIVITIES

- Department of Computer Science and Engineering organized 4 days skill development program for II year students on Android App Development workshop from 12.02.2025 to 15.02.2025 at CSE Lab 5 & 6 with 63 student participants.
- The workshop was conducted by Ms. M. Priyadharshini, Full Stack Developer from Komarapalayam, Namakkal, and Mr. M. Vijayan, Cloud Migration Specialist and AWS Cloud Engineer at Mastermind Techno Solution, Salem.



- Department of Computer Science and Engineering organized 4 days skill development program for II year students on Mobile Servicing (Android & iPhone) workshop from 12.02.2025 to 15.02.2025 in CSE Lab 3 & 4 with 60 student participants. The session was conducted by Mr. Surya Prabhu, Mobile Service Specialist from CSK Academy, Salem.





Students Practical Session

STUDENTS PURSUING HIGHER STUDIES

SNO	REG NO	STUDENT NAME	JOINED COLLGE NAME	PG PROGRAM	MODE OF ADMISSI ON
1.	20101073	PRIYADHARSHINI T	SRM Institute of Science and Technology, Chennai	MBA	MQ
2.	20101014	BOOMIKA M	GTN Law College, Dindigul	LLB	MQ
3.	20101111	SWETHA M M	Government Engineering College, Bargur	ME (CSE)	CEETA
4.	20101103	SOWMIYA S	Knowledge Institute of Technology, Salem	ME (CSE)	MQ
5.	20101304	SATHYA SREE C	MGR University	MBA	MQ
6.	20101023	DHARSHINIPRIYA V	SRM Institute of Science and Technology, Chennai	ME (Cloud Computing)	MQ
7.	20101038	JESSICA J	Panimalar Engineering College, Chennai	MBA	TANCET

SNO	REG NO	NAME	JOINED COLLEGE NAME	PG PROGRAM	MODE OF ADMISSION
8.	20101051	MENAKA GANDHI K	Vivekanandha College of Engineering for Women, Tiruchengode	ME (CSE)	MQ
9.	20101021	DHARANI K	Vivekanandha College of Engineering for Women, Tiruchengode	ME (CSE)	MQ
10.	20101048	LOKAMITHRAA K	Velalar College of Engineering and Technology, Erode	MBA	MQ



PLACEMENT ACTIVITIES

VIVEKANANDHA
COLLEGE OF ENGINEERING FOR WOMEN
[Autonomous]

Department of Computer Science and Engineering

Intensive Placement Training Programme for select students of CSE, IT and CST by Presidio Solutions Private Ltd, Coimbatore on (Day 1) 10.08.2024

w.vcengg.ac.in

A intensive placement training programme for select students of CSE, IT and CST was conducted on 10.08.2024 and 11.08.2024 by Presidio Solutions Private Ltd, Coimbatore.

VIVEKANANDHA
COLLEGE OF ENGINEERING FOR WOMEN
[Autonomous]

Department of **CSE, IT and CST**

Super Set Intensive Placement Training Programme
Phase III (05.10.24 & 06.10.24)
By Presidio Solutions, Coimbatore

vcengg.ac.in

A Super set intensive placement training programme phase III was conducted on 05.10.2024 and 06.10.2024 by Presidio Solutions, Coimbatore.

S. No.	Company	Total Students Placed
1	HEXAWARE TECHNOLOGIES	20
2	HP	1
3	CTS	2
4	KGiSL	6
5	RENAULT NISSAN	1
6	EPIK INDIFI	2
7	GLOBAL AI TECHNOLOGIES	4
8	KAAR TECHNOLOGIES	1
9	PWC	1
10	CAPGEMINI	11
11	WEBBERAX	2

S. No.	Company	Total Students Placed
12	TAP ACADEMY	1
13	PEGATRON	28
14	QBSS	6
15	SOPRA STERIA	1
16	SCHNEIDER ELECTRIC	22
17	MITSUBA	1
18	SURETI INSURANCE MARKETING	1
19	CRUD OPERATIONS	1



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

[AUTONOMOUS]



Prof. Dr. M. Karunanithi,
CHAIRMAN & SECRETARY







6.5 LPA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Management, Executive Director, Principal, HoD,
Faculty members, Staff and Students Congratulate the
Placed Student



D.SUBASRI

Hearty
Congratulations!






/vcew2001

From CSE department **One Student** got selected in **Kaar** with salary package of **6.5 LPA**.



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
[AUTONOMOUS]

ACCREDITED WITH GRADE **A++** NAAC

GLOBAL AI

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Management, Executive Director, Principal, HoD, Faculty Members and Staff Members, Students, Congratulate the Placed Students **4.7 LPA**

			
DHARSHENIA	DHIVYA DHARSHINI.B	MELISSA J ROCK	FATHIMA ASLEENA

Hearty congratulations

WWW.VCENGOW.AC.IN  /VCEW2001

From CSE department 4 Students got selected in Global AI with salary package of 4.7 LPA.

VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
[AUTONOMOUS]

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Priyadharshini.V, Monika.S, Nivetha.P, Mounika.P, Nithyasree.R.S, Ranjani.P

Capgemini

Saridha.V, Sowmiya.N, Subasri.D, Harini.R.R, Aiswarya.S

4-5.5 LPA

webberax

PRIYANKA.M, BALAPRAVEENA.P

3.12 LPA

Congratulations to Placed Students!

TAP ACADEMY

BARANI.T

3 LPA

Instagram, Facebook, YouTube, LinkedIn, Twitter, vcew2001


From CSE department **11 Students** got selected in **Capgemini** with salary package of **4 - 5.5 LPA**.

From CSE department **2 Students** got selected in **Webberax** with salary package of **3.12 LPA**.

From CSE department **One Student T.Barani** got selected in **TAP Academy** with salary package of **3 LPA**.


STUDENT PARTICIPATION

SNo	Course Duration	Course Name	No.of Participants
1	January - April 2025	PRIVACY AND SECURITY IN ONLINE SOCIAL MEDIA	1
2	January - April 2025	HUMAN COMPUTER INTERACTION	19
3	January - April 2025	INTRODUCTION TO INDUSTRY 4.0 AND INDUSTRIAL INTERNET OF THINGS	10




NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)




Skill India
कोशल भारत - कुशल भारत



This certificate is awarded to
OVIYA M
for successfully completing the course
Human Computer Interaction (In English)
with a consolidated score of **55** %


Online Assignments	25/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **3921**



Dr. Anand Srivastava
Coordinator

Jan-Apr 2025
(12 week course)



Prof. Andrew Thangaraj
NPTEL, Coordinator

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)


This certificate is awarded to
MEGHAVARSHINI S A
for successfully completing the course

Human Computer Interaction (In English)


with a consolidated score of **88** %



Online Assignments	25/25	Proctored Exam	62.5/75
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Total number of candidates certified in this course: 3921


Dr. Anand Srivastava
Coordinator

Jan-Apr 2025
(12 week course)


Prof. Andrew Thangaraj
NPTEL, Coordinator

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
PRADEEPA M
for successfully completing the course

Human Computer Interaction (In English)

with a consolidated score of **93** %

Online Assignments	25/25	Proctored Exam	67.5/75
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Total number of candidates certified in this course: 3921


Dr. Anand Srivastava
Coordinator

Jan-Apr 2025
(12 week course)


Prof. Andrew Thangaraj
NPTEL, Coordinator




Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
YASHINI R
for successfully completing the course

**Introduction To Industry 4.0 And Industrial
Internet Of Things**

with a consolidated score of **69** %

Online Assignments	25/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: 13763


Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Jan-Apr 2025
(12 week course)




Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
NITHYASRI P
for successfully completing the course

Human Computer Interaction (In English)

with a consolidated score of **85** %

Online Assignments	25/25	Proctored Exam	60/75
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Total number of candidates certified in this course: 3921


Dr. Anand Srivastava
Coordinator
Continued Education Program, IITD

Jan-Apr 2025
(12 week course)


Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
PRIYANGA R
for successfully completing the course

Human Computer Interaction (In English)

with a consolidated score of **81** %

Online Assignments	25/25	Proctored Exam	56.25/75
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Total number of candidates certified in this course: 3921


Dr. Anand Srivastava
Coordinator
Continued Education Program, IITD

Jan-Apr 2025
(12 week course)


Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
MEGHAVARSHINI S A
for successfully completing the course

Human Computer Interaction (In English)

with a consolidated score of **88** %

Online Assignments	25/25	Proctored Exam	62.5/75
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Total number of candidates certified in this course: 3921


Dr. Anand Srivastava
Coordinator
Continued Education Program, IITD

Jan-Apr 2025
(12 week course)


Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
KIRUTHIKA M S
for successfully completing the course

Human Computer Interaction (In English)

with a consolidated score of **80** %

Online Assignments	24.69/25	Proctored Exam	55/75
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Total number of candidates certified in this course: **3921**


Dr. Anand Srivastava
Coordinator

Jan-Apr 2025
(12 week course)


Prof. Andrew Thangaraj
NPTEL, Coordinator




Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
PRATIPA V
for successfully completing the course

Human Computer Interaction (In English)

with a consolidated score of **70** %

Online Assignments	25/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **3921**


Dr. Anand Srivastava
Coordinator

Jan-Apr 2025
(12 week course)


Prof. Andrew Thangaraj
NPTEL, Coordinator




Elite

NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
RAKSHANA FIRTHOUSE A
for successfully completing the course

**Introduction To Industry 4.0 And Industrial
Internet Of Things**

with a consolidated score of **65** %

Online Assignments	24.16/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **13763**


Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur

Jan-Apr 2025
(12 week course)




RESEARCH PUBLICATIONS

- Dr. R. Nithya published “EWR-ICSA: Energy Aware Secured Routing Protocol Based Underwater Wireless Sensor Networks Using Improved Circle Search Algorithm” in Wireless Personal Communications in September 2024. The paper presents a secure, energy-efficient routing technique for underwater sensor networks.
- Dr. C. Poongodi published “Prediction of credit card fraud using deep learning” in International Journal of Research and Analytical Reviews in December 2024. The study uses deep learning to identify and prevent fraudulent credit card transactions.
- Dr. C. Poongodi published “Analysis and Prediction of the Brain Cancer Using Deep Learning” in International Journal of Creative Research Thoughts in December 2024. This work applies deep learning for accurate prediction of brain cancer.
- Dr. R. Nithya published “Analysis and Prediction for Performance of Indian Premier League” in International Journal of Research and Analytical Reviews in June 2024. The research analyzes cricket league data to predict team performance.
- Dr. R. Nithya published “Hair Segmentation and Removal in Dermoscopic Images Using Deep Learning” in International Journal of Research and Analytical Reviews in July 2024. This paper focuses on improving skin image clarity by removing hair artifacts using deep learning.
- Mrs. B. Ananthi published “Detecting of Criminals using Facial Recognition” in International Journal of Engineering Research & Technology in October 2024. The paper proposes a facial recognition system to identify criminals efficiently.

- Mrs. B. Ananthi published “Enhanced Quality Monitoring System in River Water Using IoT” in International Journal of Research and Analytical Reviews in November 2024. This work uses IoT technology for real-time monitoring of river water quality.
- Mr. S. Sivaraman published “Design WebApp Service to help Farmers using Full Stack” in International Journal of Research and Analytical Reviews in November 2024. The study introduces a full-stack web application to assist farmers with digital tools.
- Mr. S. Sivaraman published “Medi Risk Predictor With Chat Assistance” in International Journal of Research and Analytical Reviews in November 2024. The paper presents a medical risk prediction tool integrated with a chat assistant.
- Mrs. A. Thamaraiselvi and Ms. S. Sinduja published “Detection of Cyber Bullying on YouTube using Machine Learning” in International Journal of Engineering Research & Technology in October 2024. Their research uses machine learning to detect cyber bullying behavior in YouTube comments.
- Dr. N. Mohanapriya and Mrs. K. Sivapriya published “Robotic Process Automation Driven - Email Automation and Spam Detection” in International Journal of Engineering Research & Technology in October 2024.
- This paper focuses on automating email processing and spam detection using RPA techniques.
- Mrs. K. Sivapriya and Dr. N. Mohanapriya published “Waste Management by Smart Bin And App System using IoT” in International Journal of Engineering Research & Technology in October 2024. The study proposes a smart IoT-enabled bin and mobile app for efficient waste management.

- Mrs. B. Ananthi published “Enhanced Quality Monitoring System in River Water Using IoT” in International Journal of Research and Analytical Reviews in November 2024. This work uses IoT technology for real-time monitoring of river water quality.
- Mr. S. Sivaraman published “Design WebApp Service to help Farmers using Full Stack” in International Journal of Research and Analytical Reviews in November 2024. The study introduces a full-stack web application to assist farmers with digital tools.
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- Mrs. D. Radhika published “Image Recognition in Autonomous Vehicles using Deep Learning” in International Journal of Engineering Research & Technology in October 2024. The paper enhances image recognition for self-driving vehicles through deep learning models.
- Mrs. D. Radhika published “Hepatitis Survival Prediction” in International Journal of Research and Analytical Reviews in November 2024. This work predicts hepatitis patient survival using data-driven analysis.
- Mrs. A. Thamaraiselvi and Ms. S. Sinduja published “Handwriting Recognition for Exam Paper Digitization” in International Journal of Innovative Research in Technology in October 2024. Their study aims to digitize handwritten exam papers using handwriting recognition systems.
- Ms. S. Sinduja and Mrs. A. Thamaraiselvi published “Alumni Connect: Building Bridges Beyond Graduation Through Mobile App” in International Journal of Engineering Research & Technology in October 2024. The app fosters alumni engagement and networking through mobile technology.
- Ms. S. Sinduja and Mrs. A. Thamaraiselvi published “Mobile Application News Jet for Disseminating Messages and Events of VCEW” in International Journal of Research and Analytical Reviews in October 2024. This paper presents a mobile app to streamline event communication within the institution.
- Mrs. T. Kavitha published “Enhancing and Effective No Parking Zone Alert System Vehicle” in International Journal of Research and Analytical Reviews in November 2024. The study proposes a smart alert system to manage no-parking zones using technology.

- Mr. T. Viswanathkani published “Skin Diseases Identification using Machine Learning” in International Journal of Creative Research Thoughts in November 2024. The paper uses machine learning algorithms to classify and detect various skin diseases.
- Ms. S. Indumathi published “Load Balancing Framework using Cloud in Healthcare” in International Journal of Research and Analytical Reviews in November 2024. The study proposes a cloud-based framework to balance healthcare data processing loads efficiently.
- Mrs. K. G. Chithra published “Prediction of Chronic Kidney Disease using Machine Learning” in International Journal of Research and Analytical Reviews in November 2024. This research builds predictive models to identify early stages of chronic kidney disease.
- Mrs. E. Sowmiya published “Groundwater Level Prediction Using Adaptive Neuro-Fuzzy Inference System” in International Journal of Creative Research Thoughts in November 2024. The paper forecasts groundwater levels using a hybrid AI system combining fuzzy logic and neural networks.
- Mrs. E. Sowmiya published “Data Visualization using Machine Learning Based on the Analysis of Electroencephalogram” in International Journal of Creative Research Thoughts in November 2024. This study visualizes EEG brainwave data using machine learning techniques for medical insights.
- Mrs. S. Uma published “Identification of Tobacco Crop Based on Deep Learning” in International Journal of Research and Analytical Reviews in November 2024. The paper leverages deep learning to recognize and classify tobacco crops using image data.

- Mr. K. Mathivanan published “Shadowguard: Nocturnal Security System” in International Journal of Innovative Research in Computer and Communication Engineering in November 2024. This system offers night-time security surveillance using smart sensors and IoT integration.
- Mrs. A. Saranya published “Ayurvedic Plant Identification using Deep Learning” in International Research Journal of Engineering and Technology in October 2024. The paper proposes a deep learning-based system to identify medicinal plants used in Ayurveda.
- Mrs. P. Yogashree published “Plant Disease Classification and Detection using Deep Learning” in International Journal of Research and Analytical Reviews in November 2024. This study uses image processing and deep learning to diagnose plant diseases accurately.
- Mrs. G. Sasikala published “Knee Osteoarthritis Detection and Classification using X-ray” in International Research Journal of Engineering and Technology in October 2024. The paper applies image analysis techniques to detect osteoarthritis from X-ray scans.
- Mrs. G. Sasikala published “Effectively Predicting Heart Disease: A Machine Learning Approach in Digital Healthcare” in International Journal of Research and Analytical Reviews in November 2024. This research implements machine learning models to predict heart conditions in a digital setting.
- Mr. T. Viswanathkani published “Integrating Renewable Energy into Smart Agriculture using IoT” in International Journal of Research and Analytical Reviews in November 2024. The paper explores the use of renewable energy and IoT for sustainable smart farming solutions.

- Mrs. T. Kavitha published “Sockpuppet Account Detection on Digital Age” in International Journal of Research and Analytical Reviews in November 2024. This research addresses detection of fake online identities using machine learning.
- Mrs. K. Rajeswari published “Traffic Signal for Emergency Vehicle using IoT” in International Journal of Creative Research Thoughts in November 2024. The system provides dynamic traffic signal control to prioritize emergency vehicles.
- Mrs. K. Soniya Lakshmi published “Alzheimer’s Disease Detection using Deep Learning” in International Research Journal of Engineering and Technology in October 2024. The study applies deep learning models for early detection of Alzheimer’s disease.
- Mr. Manivannan published “Crop Yield Forecasting and Recommendation System” in International Journal of Innovative Research in Computer and Communication Engineering in November 2024. The paper presents a prediction and recommendation system for improving agricultural productivity.
- Mr. Manivannan published “Virtual Machine for Big Data in Cloud Computing” in International Journal of Innovative Research in Science, Engineering and Technology in November 2024. This work introduces a virtual machine framework tailored for big data analytics in cloud environments.
- Mr. K. Mathivanan published “Fraudulent Account Recognition through Machine Learning Algorithm” in International Journal of Innovative Research in Science, Engineering and Technology in November 2024. The research detects fake or suspicious accounts using advanced machine learning techniques.

- **Mr. M. Ramesh published “Enhancing Road Safety: A Machine Learning Approach to Lane Detection from Reliable Line” in International Journal of Research and Analytical Reviews in February 2025. This study improves lane detection systems in autonomous vehicles using machine learning.**
- **Mr. B. S. Prakash and Mrs. B. Ananthi published “AI Enhanced Surveillance for Identifying and Recognizing Crowd Behavior: A Survey” in International Journal of Innovative Research in Technology in December 2024. The paper surveys AI applications in crowd monitoring and behavior analysis.**
- **Mrs. A. Thamaraiselvi and Dr. C. Poongodi published “Identifying and Categorizing Plant Diseases Through Deep Learning Techniques: A Survey” in International Journal of Innovative Research in Technology in December 2024. This work explores various deep learning methods for diagnosing plant diseases.**
- **Mr. S. Sivaraman and Dr. N. Mohanapriya published “Comprehensive Survey on Towards a Multi-Modal System for the Detection of Cyberbullying and Fake Accounts in Social Networks” in International Journal of Innovative Research in Technology in December 2024. The survey analyzes multi-modal AI systems for detecting harmful behavior on social media.**
- **Mr. B. Manivannan and Mrs. D. Radhika published “A Survey Paper on Automated Intrusion Detection Using Deep Learning Techniques” in International Journal of Innovative Research in Technology in December 2024. This survey highlights deep learning-based methods to improve intrusion detection systems.**

- Mrs. A. Saranyadevi published “Predictive Models for Autism Across Lifespans” in International Journal of Innovative Research in Technology in March 2025. This work presents models to detect and support autism spectrum disorders at various life stages.
- Mr. S. J. Deebak published “Chatbot Based Scheme Assistance for Citizens” in International Journal of Advanced Research in Science, Communication and Technology in April 2025. The research introduces a chatbot system to help citizens access government schemes efficiently.
- Mr. K. Mathivanan published “Empowered Learning through Gamified Progress for the Physically Challenged” in International Journal of Innovative Research in Technology in March 2025. The study proposes a gamified learning platform to enhance educational access for differently-abled individuals.
- Mr. M. Ramesh published “Secure Vehicular Communication for IoV Using CNN” in International Journal of Scientific Research in Engineering and Management in March 2025. This research uses convolutional neural networks for secure communication in Internet of Vehicles.
- Mr. T. Viswanathkani published “Automated Petition Analysis and Categorization System Using Machine Learning for Efficient Grievance Redressal” in International Journal of Scientific Research in Engineering and Management in March 2025. The paper automates grievance handling through smart analysis and classification of petitions.
- Ms. S. Sinduja and Dr. N. Mohanapriya published “Predicting Liver Cancer Staging Using Ensemble Learning” in International Journal of Innovative Research in Technology in April 2025. This work applies ensemble learning models to accurately predict stages of liver cancer.

- Mrs. A. Thamaraiselvi and Mrs. K. Sivapriya published “AI-Based Traffic Surveillance for Violation Detection and Density Analysis” in International Journal of Innovative Research in Technology in April 2025. The paper presents an AI system to monitor traffic violations and analyze congestion patterns.
- Mr. K. Mathivanan published “Bridging the Gap: Digital Solutions for Connecting Farmers with Local Markets and Enhancing Agricultural Trade” in International Journal of Innovative Research in Technology in March 2025. The study proposes a digital platform to connect farmers directly with markets for better trade outcomes.
- Ms. G. Sasikala published “Wildlife Defence System: Leveraging AI and IoT for Real-Time Detection and Conflict Mitigation” in International Journal of Innovative Research in Technology in April 2025. The paper introduces a smart system to monitor and reduce human-wildlife conflicts using AI and IoT.
- Mr. B. S. Prakash published “Optimizing Travel Experiences: AI-Enhanced Mobile Guidance for Tourists” in International Journal of Innovative Research in Technology in March 2025. This study proposes a smart mobile application to guide tourists using artificial intelligence.
- Mrs. D. Radhika published “Digital Empowerment: Building Safety, Support and Legal Awareness for Women and Children” in International Journal of Innovative Research in Technology in March 2025. The paper promotes digital tools for empowering vulnerable groups with knowledge and safety support.

- Mrs. A. Saranya published “Bridging Speech and Sign Language with Deep Learning” in International Journal of Innovative Research in Technology in March 2025. The paper develops a deep learning-based model to convert speech to sign language for inclusivity.
- Mr. B. S. Prakash published “AI-Powered Solutions for Maternal and Infant Health Monitoring System” in International Journal of Creative Research Thoughts in April 2025. This study focuses on AI-based tools for health monitoring of mothers and infants.
- Mrs. B. Ananthi and Mrs. K. Soniya Lakshmi published “Terrain Monitoring for Construction Using IoT” in International Journal of Creative Research Thoughts in April 2025. The paper proposes a system for real-time terrain assessment in construction using IoT technology.
- Ms. S. Indumathi published “Intelligent Evaluation and Personalized Academic Support” in International Journal of Creative Research Thoughts in March 2025. The study introduces an AI-based system for customized academic evaluation and learning support.
- Mrs. B. Ananthi and Dr. R. Rohini published “Learning Management System” in International Journal of Research and Analytical Reviews in April 2025. This paper presents a digital platform to manage, deliver, and track educational content.
- Mrs. K. Soniya Lakshmi and Mrs. P. Yogashree published “Cucumber Leaf Disease Detection and Diagnosis” in International Journal of Innovative Research in Technology in April 2025. The research applies image processing and AI to detect cucumber plant diseases.

- Mr. K. Mathivanan and Dr. R. Nithya published “Enhancing Forest Fire Prognostication Using Machine Learning Algorithms: A Survey” in International Journal of Innovative Research in Technology in December 2024. The study reviews machine learning techniques for predicting forest fire events.
- Dr. N. Mohanapriya and K. Sivapriya published “Sign Language Recognition and Interpretation Using Machine Learning” in International Journal of Research and Analytical Reviews in October 2024. The paper presents a system to recognize and translate sign language using machine learning.
- Mrs. T. Kavitha published “Mediflora Detector for Homo Sapiens” in International Journal of Innovative Research in Technology in March 2025. This work introduces a mobile application to identify medicinal plants for health use.
- Mrs. K. G. Chithra published “Career Guidance Tool for Students and Job Seekers Using Psychometrics and Activities” in International Journal of Innovative Research in Technology in March 2025. The paper proposes a tool that supports career planning based on psychometric evaluation.
- Mr. M. Boobalan published “Pest Detection and Classification using CNN” in International Journal of Innovative Research in Technology in March 2025. The study utilizes convolutional neural networks for identifying and classifying agricultural pests.
- Dr. N. Mohanapriya and S. Sinduja published “Smart Drainage Monitoring and Alert System Using IoT” in International Journal of Innovative Research in Technology in March 2025. This work presents a smart system to detect and alert drainage issues using IoT sensors.

- Mrs. P. Yogashree and Mrs. B. Ananthi published “Next-Gen Mobile Health Solutions for Chronic Disease” in International Journal of Research and Analytical Reviews in March 2025. The paper introduces mobile-based healthcare services aimed at managing chronic diseases effectively.
- Mrs. S. Uma published “Centralized PHC Monitoring and Management System Using Machine Learning” in International Journal of Innovative Research in Technology in March 2025. The paper proposes a centralized primary health center monitoring system using AI for improved healthcare services.
- Mrs. K. Rajeswari published “Smart Anganwadi Hub for Nutrition, Growth, and Attendance Management” in International Journal of Innovative Research in Technology in March 2025. This work presents an IoT-enabled smart hub for managing child development in Anganwadi centers.
- Dr. C. Poongodi published “Early Warning System Using Smart Drone for Human-Wildlife Harmony” in International Journal of Innovative Research in Technology in April 2025. The paper introduces a drone-based system to prevent wildlife conflicts through early detection.
- Mr. B. Manivannan published “Hospital Management System” in International Journal of Advanced Research in Science, Communication and Technology in April 2025. The study develops a digital platform to streamline hospital operations and patient data.
- Mrs. D. Radhika published “Monitoring Migrant Labors by Using Decision Tree” in International Journal of Scientific Research in Engineering and Management in April 2025. The paper uses decision tree algorithms to track and manage migrant labor data efficiently.

- Mrs. B. Ananthi and Dr. N. Mohanapriya published “Integrating Multi-Modal Techniques for Detecting Cyberbullying and Fake Profiles in Social Media” in International Journal for Applied Science & Engineering Technology in May 2025. This study proposes a robust framework for identifying harmful online behaviors.
- Mr. K. Mathivanan and Dr. R. Nithya published “Enhancing Forest Fire Prognostication Using Machine Learning Algorithms – A Survey” in International Journal of Innovative Research in Technology in December 2024. The paper reviews fire detection models to improve early warning systems.
- Mr. B. Manivannan and Mrs. D. Radhika published “A Survey Paper on Automated Intrusion Detection Using Deep Learning Techniques” in International Journal of Innovative Research in Technology in December 2024. The study examines current deep learning models for securing networks from intrusions.
- Mr. B. Manivannan and Mrs. D. Radhika published “Automated Intrusion Detection Using Deep Learning Techniques” in International Journal for Applied Science & Engineering Technology in May 2025. This work focuses on building smart, AI-driven systems for network security.
- Mr. B. S. Prakash and Mrs. B. Ananthi published “AI Enhanced Surveillance for Identifying and Recognizing Crowd Behavior” in International Journal of Innovative Research in Technology in December 2024. Their paper surveys AI methods for analyzing and predicting crowd dynamics.
- Mr. B. S. Prakash and Mrs. B. Ananthi published in International Journal for Applied Science & Engineering Technology in May 2025. This study builds on previous surveillance research to further refine crowd behavior detection

- Ms. S. Sinduja and Dr. N. Mohanapriya published “Inclusive Platform for the Visually and Hearing-Impaired Students” in International Journal of Creative Research Thoughts in April 2025. The paper introduces an assistive system to support inclusive education using technology.
- Mrs. J. Kavipriya published “Predictive Modeling for Agricultural Market Linkages” in International Journal of Innovative Research in Technology in April 2025. This study links predictive analytics with market access for farmers to improve trade.
- Mrs. G. Sasikala published in International Journal of Creative Research Thoughts in June 2025. The research addresses earthquake prediction using AI and machine learning.
- Mrs. A. Thamaraiselvi and Dr. C. Poongodi published “Earthquake Prediction Using Machine Learning – A Survey” in International Journal of Research and Analytical Reviews in 2024. This paper surveys various machine learning models applied to earthquake forecasting.
- Mrs. A. Thamaraiselvi and Dr. C. Poongodi published “Identifying and Categorizing Plant Diseases Through Deep Learning Techniques” in International Journal for Applied Science & Engineering Technology in July 2025. The paper explores the use of deep learning for automated plant disease identification.
- Mrs. B. Ananthi and Dr. N. Mohanapriya published in International Journal of Innovative Research in Technology in December 2024. Their research presents an AI-based multi-modal approach to detect cyberbullying and fake profiles.

- Mr. R. Dhamodharan published “Agribot for Farmers with Solutions and Support” in International Journal of Innovative Research in Technology in March 2025. This research introduces an agriculture robot to assist farmers in decision-making and farming tasks.
- Dr. R. Nithya published “Assistive Vision Goggles for the Visually Impaired” in Dastavej Research Journal in April 2025. The paper presents smart goggles designed to aid visually impaired individuals with navigation.
- Dr. C. Poongodi published “AgroSmart Precision Farming Application for Sustainable Agriculture” in Dastavej Research Journal in April 2025. The application supports precision farming practices for increasing yield and sustainability.
- Mrs. A. Thamaraiselvi published “Shieldhub – Virtual Mental Health Support for Women and Children” in International Journal of Advanced Research in Science, Communication and Technology in April 2025. The platform offers virtual psychological assistance tailored for women and child well-being.
- Mrs. A. Thamaraiselvi published “Robotic Boat Cleanup for Water Waste” in International Journal of Innovative Research in Technology in April 2025. The paper proposes a robotic system to clean water bodies using automation and sensors.
- 82. Dr. R. Nithya published in Dastavej Research Journal in April 2025. The study focuses on an innovative solution related to water leakage and unauthorized usage.
- Mr. R. Dhamodharan published “Gamification of Youth's Career Guidance Self-Identification” in International Journal of Advanced Research in Science, Communication and Technology in April 2025. This work promotes career development through engaging gamified learning for youth.

- **Mr. S. J. Deebak** published “Automated System for Validating Beneficiaries and Safeguarding Government Resources” in International Journal of Scientific Research in Engineering and Management in April 2025. This study introduces a secure automation system to verify beneficiaries and prevent resource misuse.
- **Mrs. E. Sowmiya** published “Energy-Efficient Hybrid Interface for Tea Industries” in International Journal of Creative Research Thoughts in April 2025. The paper presents a hybrid system to optimize energy consumption in tea manufacturing processes.
- **Mr. M. Ramesh** published “Secure Consensus Algorithm for Intelligent Transport Systems in IoV” in International Journal of Creative Research Thoughts in April 2025. The research enhances secure communication in intelligent transport networks using consensus algorithms.
- **Mrs. S. Keerthana** published “Immersive Horizons: Transforming Education with Augmented Reality and Virtual Reality” in International Journal of Innovative Research in Technology in April 2025. The study explores immersive technologies like AR/VR to revolutionize modern education.
- **Mrs. T. Kavitha** published “Life Detection System for Landslide Rescue” in International Journal of Innovative Research in Technology in April 2025. The paper presents a smart system to detect survivors in landslide zones using sensor technologies.
- **Mr. B. Manivannan** published “AI-Powered Heritage Exploration in Tamil Nadu Historical Wonders” in International Journal of Advanced Research in Science, Communication and Technology in March 2025. The study proposes AI tools for enriching tourism through smart heritage exploration experiences.

- Ms. S. Sinduja published “Detection of Synthetic Audio Using MFCC Features and Machine Learning Techniques” in International Journal of Advanced Research in Science, Communication and Technology in 2024. The paper applies signal processing and machine learning to detect deepfake or synthetic audio.



VIVEKANANDHA EDUCATIONAL INSTITUTIONS



"Vidhya Rathna"

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

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- * 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
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- * RABINDHARANATH TAGORE COLLEGE OF EDUCATION FOR WOMEN
- * VISWABHARATHI COLLEGE OF EDUCATION FOR WOMEN
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