

ZealTech 2K25

Volume-III Issue- IV

MAGAZINE

DEPARTMENT OF
INFORMATION TECHNOLOGY

2024-2025

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 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.



VIVEKANANDHA
COLLEGE OF ENGINEERING FOR WOMEN

[Autonomous]

www.vcengg.ac.in



Prof. Dr. M. KARUNANITHI
Chairman & Executive Director



Dr.S.Radha B.E.,M E., Ph.D.,
Associate Professor & Head,
Vivekanandha College of Engineering for Women.

I am pleased to present the Department of Information Technology Magazine for the Academic Year 2024–25 , 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.

EDITORIAL BOARD

PATRON	Dr.S.Radha
EDITORIAL BOARD	Mrs.G.Gomathi Mrs R.Logambal
STUDENT COORDINATOR	Ms.V.Preethi-III IT

Department Profile

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. 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 2701 books for exclusive use of faculty and students.

Course Offered

B.TECH-Information Technology(NBA Accredited)

M.TECH-Information Technology

The courses offered in the department meet the requirements of both industry and research. The department is engaged to train students in developing application programs such as mini projects, designing and developing technological needs.

Faculty Members

The Department possesses well-united and experienced faculty members with high professionalism, and expertise in the areas of networks (wired and wireless), Data Mining, Digital Image Processing and Cloud Computing, Neural networks, software Engineering, Database Management Systems and Machine Learning.

B.Tech-Information Technology Faculty Details

S.No.	Name of the Faculty	Designation	Qualification
1	Dr.S.Radha	Associate Professor	Ph.D.,
2	Dr.A.V.SanthoshBabu	Professor	Ph.D.,
3	Dr.M.Sayee Kumar	Professor	Ph.D.,
4	Mrs.R.Logambal	Assistant Professor	M.E.,
5	Mrs.S.Brindha	Assistant Professor	M.E.,
6	Mrs.K.ShanmugaPriya	Assistant Professor	M.E.,
7	Mrs.S.Merena	Assistant Professor	M.Tech.,
8	Ms.C.Visali	Assistant Professor	M.Tech.,
9	Mrs.T.Janani	Assistant Professor	M.E.,
10	Mrs.T.Haritha	Assistant Professor	M.E.,
11	Ms.P.Sudha	Assistant Professor	M.E.,
12	Mrs.B.Madhubala	Assistant Professor	M.E.,
13	Mr.D.Justin jose	Assistant Professor	M.E.,

14	Mrs.G.Gomathi	Assistant Professor	M.E.,
15	Mrs.A.Sumathi	Assistant Professor	M.E.,
16	Dr.P.Prabaharan	Assistant Professor	Ph.D.,
17	Ms.I.Kalaiyarasi	Assistant Professor	M.E.,

M.Tech-Information Technology Faculty Details

S.No	Name of the Faculty	Designation	Qualification
1.	Mr.E.Thangadurai	Assistant Professor	B.E,M.E,(Ph.D)
2.	Mrs.S.Anandhi	Assistant Professor	B.E,M.E

Technical Support Staffs

S.NO	Name of the Faculty	Designaion	Qualification
1.	Mr.R.Rajbabu	Hardware Engineer	DCA, DCP, ADCHN &RHCE
2.	Mrs.N.Vani	DOS	B.E
3.	Mr.S.Sampathkumar	Website Maintenance Engineer	B.E
4.	Mrs .S.Venu priya	Lab Assistant	M.Sc

Lab profile

The department has three state of the art laboratories having nearly 145 computers with latest configurations with all the necessary software and packages with updated versions of operating system and antivirus software.

Name of the Lab : IT LAB 3&4

S.No	Name of the Equipment	Number Of Systems
1	HP Pro 3090 Systems Intel(R) Core(TM)2 Duo CPU E7500 @ 2.93GHz 2 GB DDR3 RAM 320 GB Sata Hard Disk Intel(R) G45/G43 Express Chipset Realtek RTL8168D/8111D Family PCI-E Gigabit Ethernet NIC 18.5 LCD Monitor.	27
2	WIPRO NETPOWER SERVER Intel(R) Xeon(TM) CPU 3.20GHz Processor 2 GB DDR2 RAM 80 GB SCSI HARDDISK Intel(R) PRO/1000 MT Network Connection Marvell Yukon 88E8050 PCI-E ASF Gigabit Ethernet Wipro 17" Wide LCT Monitor.	1
3	WIPRO, Model No:WTV37555, Intel core 2 DUO Processor, 1GB DDR2 RAM, 160 GB Sata Hard Disk, Wipro 109 Keyboard, 17" TFT Monitor.	8
4	DELL, Intel core 2 DUO Processor, 1GB DDR2 RAM, 160 GB Sata Hard Disk, 17" TFT LCD Wide Monitor.	6

Name of the Lab: IT LAB 5&6

S.No	Name of the Equipment	Number Of Systems
1	HP Pro 3090 Systems Intel(R) Core(TM)2 Duo CPU E7500 @ 2.93GHz 2 GB DDR3 RAM 320 GB Sata Hard Disk Intel(R) G45/G43 Express Chipset Realtek RTL8168D/8111D Family PCI-E Gigabit Ethernet NIC 18.5 LCD Monitor.	27
2	WIPRO NETPOWER SERVER Intel(R) Xeon(TM) CPU 3.20GHz Processor 2 GB DDR2 RAM 80 GB SCSI HARDDISK Intel(R) PRO/1000 MT Network Connection Marvell Yukon 88E8050 PCI-E ASF Gigabit Ethernet Wipro 17" Wide LCT Monitor.	1
3	WIPRO, Model No:WTV37555, Intel core 2 DUO Processor, 1GB DDR2 RAM, 160 GB Sata Hard Disk, Wipro 109 Keyboard, 17" TFT Monitor.	8
4	DELL, Intel core 2 DUO Processor, 1GB DDR2 RAM, 160 GB Sata Hard Disk, 17" TFT LCD Wide Monitor.	6

Name of the Lab: IT LAB 5&6

S.No	Name of the Equipment	Number Of Systems
1	HP ELITE 7100 Micro Tower Intel® Core(TM) i3 -2120 CPU @ 3.20GHz Processor 10 GB DDR3 RAM 512 SSDGB Hard Disk Intel(R) HD Graphics Intel(R) HD Graphics Realtek PCIe GBE Family Controller 18.5 LCD Monitor.	65

Name of the Lab : AI Skills Lab

S.No	Name of the Equipment	Number Of Systems
1	Dell Precision 3650 Tower CTO Workstation, Intel Core i5 -10505 Processor,8GB DDR4 RAM,500GB Sata Hard Disk,Intel Integrated Graphics,10/100/1000 Mbps Integrated NIC, Dell MS116 Wired Mouse Black,Dell Wired Keyboard KB216 Black,Dell 20 Inch Monitor.	35
2	HP Pro 3330 SystemsIntel(R) Core(TM) i3-2120 CPU @ 3.30GHz 10 GB DDR3 RAM512 GB SSD Hard DiskIntel(R) HD Graphics Intel(R) HD Graphics Realtek PCIe GBE Family Controller18.5 LCD Monitor.	2
3	Hp pro 3330MT computers, intel core i5 processor,intel 2 GB, DDR 3 Ram, 500 GB Hdd,Intel,HD Graphics 18.5" led LCD monitor	1

LABORATORY COURSES-UG & PG

- Programming for Problem Solving Laboratory
- Data Structures Laboratory
- Operating Systems Laboratory
- Database Management Systems Laboratory
- Web Technology Laboratory
- Python Programming Laboratory
- Machine Learning Laboratory

- Case Tools Laboratory
- IoT And Data Analytics Laboratory
- Algorithms And Analysis Laboratory
- Machine Learning Laboratory
- Advanced Networks Laboratory

DEPARTMENT LIBRARY

The Department library has collection of more than 2700 books and manuals relating to computer language, packages and reference manual.

It has collection of CD's including computer based tutorials teaching various areas of Information Technology. There are also magazines and journals related to Information Technology available for reference. The department library has computing facilities for the effective use of the CD based materials and internet access.



Association Activities

S. N O	DATE	EVENT	TOPIC	RESOURCE PERSON	TOTAL NO.OF PARTICIPANTS
1	15.07.2024	INTERACTIVE SESSION	"Trends in Technology"	Mr.Sairaman Srinivasan, Chief Strategy Officer, Consortium for Technical Education, CTE, Chennai-600001.	61
2	21.09.2024	EXPERT TALK	"Career Opportunities"	Dr.Shankar Venugopal, Vice President, Mahindra Research Valley, Chennai-600002	56
3	23.09.2024	HANDS ON SESSION	"Resume Building"	Mr.Jayasurya Gnanavel, Founder & CEO, Cybernaut Edu-Tech LLP, Karur-639002.	62
4	13.11.2024	ASSOCIATION INAUGURATION	"AI in practice: LLM, RAG and Voice Tech"	Ms.G.Swathi, Data Scientist, Speech Engineer, Prahastech Pvt. Ltd, Hyderabad.	191
5	18.11.2024	WORKSHOP	"Unleashing Innovation: The Generative AI Revolution"	Mr.Virender Singh, Sr. Consultant, Aspire For Her Foundation, Mumbai-400018	61

6	17.03.2025	WORKSHOP	"Tech Essentials: Exploring Computer Hardware"	Mr.T.Senthilraja, Managing Director of Green CAD Tech, Rasipuram	59
7	27.03.2025	WORKSHOP	"Mobile Repair and Maintenance"	Mr.N.Kaviyaran Service Engineer, Cholan Mobile, Tiruchenogde	120

FACULTY ACHIEVEMENTS ODD SEM

INTERNATIONAL CONFERENCE – ATTENDED BY FACULTY

S. NO	EVENT	NAME OF THE FACULTY	DATE	TOPIC	NAME OF THE COLLEGE
1.	CONFERENCE	Ms.C.Visali	08.10.2024 to 09.10.2024	Transforming Homes into Smart Havens : Advanced Control with NodeMCU and Android Technology	Sri Sairam Engineering College, Chennai
2.	CONFERENCE	Dr.A.V.SanthoshBabu	01.10.2024 to 03.10.2024	Optimizing Intrusion Detection systems for Energy Consious MANET's	Erode Sengunthar Engineering College

3.	CONFERENCE	Dr.A.V.SanthoshBabu	01.10.2024 to 03.10.2024	Analysing the Efficiency of an Ethereum-Driven Cyber security model in Cloud Computing	Erode Sengunthar Engineering College
4.	CONFERENCE	Dr.A.V.SanthoshBabu	04.09.2024 & 05.09.2024	Improving the Performance of EthereumBlockchain Cyber Secured Cloud Computing Model	Anna University, Chennai
5.	CONFERENCE	Ms.T.Haritha	04.09.2024 & 05.09.2024	Improving the Performance of EthereumBlockchain Cyber Secured Cloud Computing Model	Anna University, Chennai

WORKSHOP – ATTENDED BY FACULTY

S NO	EVENT	NAME OF THE FACULTY	NATIONAL/ INTERNATIONAL	DATE	TOPIC	NAME OF THE COLLEGE
1.	Workshop	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	EVENT	NAME OF THE FACULTY	DATE	NATIONAL /INTERNATIONAL	TOPIC
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	PALS
4.	FDP	Ms.C.Visali	02.12.2024 to 07.12.2024	Quantum Neuromorphic Computing for Viable and Sustainable Generative AI	ATAL Academy
5.	FDP	Ms.G.Gomathi	28.11.2024 to 30.11.2024	FDP on Effective Communication	VCEW

6.	FDP	Ms.R.Logambal	July-Oct 2024	Advanced Distributed Systems	NPTEL
7.	FDP	Ms.I.Kalaiyarasi	July-Oct 2024	Design and Implementation of Human-Computer Interfaces	NPTEL
8.	FDP	Ms.T.Janani	July - Nov 2024	Introduction to Industry 4.O and Industrial Internet of Things	NPTEL
9.	FDP	Mr.D.Justin Jose	25.10.2024to 26.10.2024	Origin Lab	PG & Research Department of Computer Science & Applications, VICAS
10.	FDP	Ms.P.Sudha	25.10.2024to 26.10.2024	Origin Lab	PG&Research Department of Computer Science & Applications, VICAS
11.	FDP	Ms.C.Visali	21.10.2024to 25.10.2024	Programming Essentials in Python (Online Live FDP)	ICT Academy
12.	Training	Ms.R. Logambal	21.10.2024	IEEE Training on "IEEE Xplore"	EBSCO Information services
13.	Training	Ms.C.Visali	21.10.2024	IEEE Training on "IEEE Xplore"	EBSCO Information services
14.	Training	Ms.T.Janani	21.10.2024	IEEE Training on "IEEE Xplore"	EBSCO Information services
15.	FDP	Mr.E.Thangadurai	July - Sep 24	Introduction to Machine Learning	NPTEL

16.	FDP	Ms.B.Madhubala	July - Sep 24	Research Methodology	NPTEL
17.	FDP	Ms.A.Sumathi	July - Sep 24	Data Science for Engineers	NPTEL
18.	FDP	Ms.S.Brindha	July - Sep 24	Data Science for Engineers	NPTEL
19.	FDP	Ms.R. Logambal	16.09.2024to 20.09.2024	Cryptography and Network Security	Erode Sengunthar Engineering College
20.	FDP	Dr.A.V.SanthoshB abu	16.09.2024to 20.09.2024	Cryptography and Network Security	Erode Sengunthar Engineering College
21.	FDP	Ms.T.Haritha	16.09.2024to 20.09.2024	Cryptography and Network Security	Erode Sengunthar Engineering College
22.	FDP	Ms.T.Janani	16.09.2024to2 0.09.2024	Cryptography and Network Security	Erode Sengunthar Engineering College
23.	FDP	Ms.C.Visali	16.09.2024to2 0.09.2024	Cryptography and Network Security	Erode Sengunthar Engineering College
24.	FDP	Dr.A.V.Santhosh Babu	02.09.2024to1 4.09.2024	Embark on a Hands on journey into Artificial Intelligence Mastery	Erode Sengunthar Engineering College

25.	FDP	Ms.T.Haritha	02.09.2024to 14.09.2024	Embark on a Hands on journey into Artificial Intelligence Mastery	Erode Sengunthar Engineering College
26.	FDP	Ms.T.Janani	02.09.2024to1 4.09.2024	Embark on a Hands on journey into Artificial Intelligence Mastery	Erode Sengunthar Engineering College
27.	FIP	Ms.G.Gomathi	31.08.2024	Faculty Induction Program	IQAC , VCEW
28.	FIP	Ms.B.Madhubala	31.08.2024	Faculty Induction Program	IQAC , VCEW
29.	FIP	Ms.A.Sumathi	31.08.2024	Faculty Induction Program	IQAC , VCEW
30.	FIP	Ms.S.Brindha	31.08.2024	Faculty Induction Program	IQAC , VCEW
31.	FDP	Ms.G.Gomathi	16.08.2024& 17.08.2024	Deep Learning and IoT in Precision Healthcare	Kongu Engineering College
32.	FDP	Ms.S.Merena	09.08.2024to 12.08.2024	Full Stack Development by GUVI	Vivekanandha College of Engineering for Women
33.	FDP	Ms.G.Gomathi	09.08.2024to 12.08.2024	Full Stack Development by GUVI	Vivekanandha College of Engineering for Women

34.	FDP	Ms.I.Kalaiyarasi	09.08.2024to1 2.08.2024	Full Stack Development by GUVI	Vivekanandha College of Engineering for Women
35.	FDP	Ms.B.Madhubala	09.08.2024to1 2.08.2024	Full Stack Development by GUVI	Vivekanandha College of Engineering for Women
36.	FDP	Ms.A.Sumathi	09.08.2024to1 2.08.2024	Full Stack Development by GUVI	Vivekanandha College of Engineering for Women
37.	FDP	Mr.D.Justin Jose	09.08.2024&1 0.08.2024	Full Stack Development	GUVI Geek Pvt Ltd.
38.	FDP	Dr.A.V.SanthoshBabu	22.07.2024to2 6.07.2024	OpenCV for Image and Video Processing Applications	Erode Sengunthar Engineering College
39.	FDP	Ms.T.Haritha	22.07.2024to2 6.07.2024	OpenCV for Image and Video Processing Applications	Erode Sengunthar Engineering College
40.	FDP	Ms.T.Janani	22.07.2024to2 6.07.2024	OpenCV for Image and Video Processing Applications	NITTR, Chandigarh
41.	FDP	Ms.R.Logambal	22.07.2024to2 6.07.2024	Microsoft Azure AI Engineer Associate	ICT ACADEMY
42.	FDP	Ms.A.Sumathi	22.07.2024to2 6.07.2024	Microsoft Azure AI Engineer Associate	ICT ACADEMY

43.	FDP	Ms.P.Sudha	22.07.2024 to 26.07.2024	Microsoft Azure AI Engineer Associate	ICT ACADEMY
44.	FDP	Ms.I.Kalaiyarasi	05.07.2024 & 06.07.2024	Basic FDP in AICTE IDEA Lab	AICTE IDEA Lab
45.	FDP	Ms.B.Madhubala	05.07.2024 & 06.07.2024	Basic FDP in AICTE IDEA Lab	AICTE IDEA Lab
46.	FDP	Ms.S.Brindha	06.06.2024 to 08.06.2024	Inculcating Universal Human Values in 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(12 Weeks)	Practical Cyber Security for Cyber Security Practitioners	NPTEL
2.	Mr.E.Thangadurai	Jul-Sep 2024(08 Weeks)	Introduction to Machine Learning	NPTEL
3.	Mr.E.Thangadurai	Aug-Oct 2024(12 Weeks)	Google Cloud Computing	NPTEL
4.	Ms.R.Logambal	Jul-Oct 2024(12 Weeks)	Advanced Distributed Systems	NPTEL

5.	Ms.C.Visali	Aug-Oct 2024(12 Weeks)	Big Data Computing	NPTEL
6.	Ms.S.Merena	Jul-Oct 2024(12 Weeks)	Cloud Computing	NPTEL
7.	Ms.T.Janani	Jul-Oct 2024(12 Weeks)	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL
8.	Ms.T.Haritha	Jul-Oct 2024(12 Weeks)	Cloud Computing	NPTEL
9.	Ms.T.Haritha	Jul-Oct 2024(12 Weeks)	Social Network Analysis	NPTEL
10.	Ms.S.Brindha	Jul-Sep 2024(08 Weeks)	Data Science for Engineers	NPTEL
11.	Ms.I.Kalaiyarasi	Jul-Oct 2024(12 Weeks)	Design and Implementation of Human-Computer Interfaces	NPTEL
12.	Ms.B.Madhubala	Jul-Sep 2024(08 Weeks)	Research Methodology	NPTEL
13.	Mr.D.Justin Jose	Jul-Oct 2024(12 Weeks)	The Joy of Computing using Python	NPTEL
14.	Ms.G.Gomathi	Aug-Oct 2024(12 Weeks)	Google Cloud Computing	NPTEL
15.	Ms.A.Sumathi	Jul-Sep 2024(08 Weeks)	Data Science for Engineers	NPTEL
16.	Dr.V.Hemalatha	Jul-Oct 2024(12 Weeks)	Engineering Mathematics-I	NPTEL
17.	Dr.V.Hemalatha	Jul-Aug 2024(04 Weeks)	Design Thinking – A Primer	NPTEL

18.	Ms.A.Preethi	Jul-Oct 2024(12 Weeks)	Basic Environmental Engineering and Pollution Abatement	NPTEL
19.	Mr.S.Tamilvanan	Jul-Oct 2024(12 Weeks)	Metal Additive Manufacturing	NPTEL
20.	Ms.I.Kalaiyarasi	12.08.2024	IA Training- Foundation level	Innovation Ambassador(Online Platform)
21.	Ms.I.Kalaiyarasi	12.08.2024	IA Training- Advanced level	Innovation Ambassador(Online Platform)
22.	Ms.I.Kalaiyarasi	12.08.2024	IA Training- Reskilling level	Innovation Ambassador(Online 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	ICPECT S - 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.Santhosh Babu	AGAIQCS D-2024	Optimizing Intrusion Detection systems for Energy Consious MANET's	Erode Sengunt har Engineering College	01.10.2024
3.	Dr.A.V.Santhosh Babu	AGAIQCS D-2024	Analysing the Efficiency of an Ethereum-Driven Cyber security model in Cloud Computing	Erode Sengunt har Engineering College	01.10.2024 to 03.10.2024
4.	Dr.A.V.Santhosh Babu	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 : 1433-3058Vol.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 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	IGI Global	July 2024
5.	Ms.P.Sudha	Book	Deep Learning in Healthcare:Unlocking the potential of medical data	ISBN-13979-8894758701	Notion Press	July 2024
6.	Ms.S.Brindha					

PATENTS PUBLISHED BY FACULTY

S · N o.	Date	Name of the faculty	Topic	Indian / Foreign	Patent no.	Filed/Publis hed/Awarde d
1	09.08. 2024	Dr.A.V.Santhosh Babu	Autism Detection using Pre- Trained models in Machine Learning	Indian Patent	20244105 9195A	Published on09.08.202 4

RESEARCH PAPERS PUBLISHED BY FACULTY AT INTERNATIONAL CONFERENCES

S · N o ·	Name of the faculty	Title of the confer ence	Title of the paper	Name of the college	Journ al name	UGC/ Scopu s/ Others	Publicatio n date
1.	Dr.S.Radha	ICPEC TS	Tracking and Monitorin g the Safety of the child in the Stoller	Sri Sairam Engineering College, Chennai	IEEE	IEEE Xplore	December 2024

2.	Ms.C.Visali	IC PE CT S	Transformin g Homes into Smart Heavens : Advanced Control with Node MCU and Android Technology	Sri Sairam Engineering College, Chennai	I E E E	IEEE Xplore	December 2024
3.	Dr.A.V.Santhosh Babu	IC EC A	Detection of Autism Disorder using Machine Learning Techniques	RVS Technical Campus	I E E E	IEEE Xplore	November 2024

FACULTY ACHIEVEMENTS
EVEN SEM
ONLINE COURSE – ATTENDED BY FACULTY

S.No.	Name of the faculty	Date	Topic	Grade
2024 – 2025 (Even Semester)				
1	Ms.P.Sudha	Jan-Apr 2025(12 Weeks)	Advanced Computer Networks	Successfully Completed
2	Mr.D.Justin Jose	Jan-Apr 2025(12 Weeks)	Cloud Computing	Elite

WEBINAR – ATTENDED BY FACULTY

S.No.	Name of the faculty	National / International	Date	Topic	Name of the college
1.	Ms.T.Janani	International	29.06.2024	ELT – Innovating Traditional Teaching Materials to suit the needs of 21stCentury	Nucleus of Learning and Development

CONFERENCE – ATTENDED BY FACULTY

S.No.	Name of the faculty	National / International	Date	Topic	Name of the college
6..	Mr.D.Justin Jose	International	29.03.2025	A digital platform for Real-time price discovery and market access	Sree Sakthi Engineering College
7.	Mrs.S.Brindha	International	29.03.2025	3D model industrial learning system	Sree Sakthi Engineering College
8.	Ms.P.Sudha	International	29.03.2025	Smart Water Monitoring System Using One Class SVM	Sree Sakthi Engineering College
9.	MS.G.Gomathi	International	28.03.2025	Waste collecting Robot in the ocean	Muthayamal College of Engineering
10.	Dr.S.Radha	International	28.03.2025	Waste collecting Robot in the ocean	Muthayamal College of Engineering

11	Ms.C.Visali	International	28.03.2025	Smart Learning Pathways	Muthayammal College of Engineering
12	Ms.R.Logambal	International	28.03.2025	Smart Traffic Management System	Muthayammal College of Engineering
13	Mrs.B.Madhubala	International	28.03.2025	Welfare Web: Website for Socio-Economic background Schemes with Chatbot	Muthayammal College of Engineering
14	Ms.I.Kalaiyarasi	International	21.03.2025 & 22.03.2025	Real Time Hospital Management and Patient Monitoring System	Velammal Institute of Technology
15	Ms.S.Merena	International	21.03.2025 & 22.03.2025	IOT-Enabled Waste Segregation And Recycling System For Sustainable Urban Waste Management	Velammal Institute of Technology
16	Mr.E.Thangadurai	International	21.03.2025 & 22.03.2025	Optimizing Inventory Management with Machine Learning: Real-Time Tracking and Automated Fulfillment for Small Warehouses	Annapoorana Engineering College

17	Mrs.T.Janani	International	21.03.2025& 22.03.2025	Personalized Career Guidance Tool	Annapoorana Engineering College
18	Dr.S.Radha	International	14.03.2025& 15.03.2025	A Robust System for Secure and Transparent Seller Registration	KIT-Kalaignar Karunanithi Institute of Technology
19	Dr.A.V.Santhosh Babu	International	03.03.2025& 04.03.2025	Health Tech Platform For Remote Patient Data Acquisition And Care Delivery	Erode Sengunthar Engineering College
20	Mr.E.Thangadurai	International	03.03.2025& 04.03.2025	Deaf Companion System for Inclusive Communication Between Deaf and Hearing Individuals using Artificial Intelligence	Erode Sengunthar Engineering College

FACULTY DEVELOPMENT PROGRAMME- ATTENDED BY FACULTY

S.No.	Event	Name of the faculty	Date	Topic	Name of the college
50	FDP	Ms.I.Kalaiyarasi	10.03.2025 &26.03.2025	Artificial Intelligence - Honeywell Student Empowerment Program	VCEW
51	FDP	Ms.G.Gomathi	13.03.2025 &14.03.2025	Data Driven Diagnostics in Scientific Research	M.Kumaramy College of Engineering
52	FDP	Ms.G.Gomathi	15.02.2025	Data Science using Python	RP Sarathy Institute of Technology
53	FDP	Ms.R.Logambal	03.02.2025 to08.02.2025	Innovative Design Thinking Strategies for Next Generation's AI Solutions	ATAL Academy
54	FDP	Ms.C.Visali	03.02.2025 to08.02.2025	Innovative Design Thinking Strategies for Next Generation's AI Solutions	ATAL Academy

55	FDP	Mr.D.Justin Jose	03.02.2025 to 07.02.2025	Exploring Entrepreneurial Opportunities: AI & IoT in Industry 4.0	PSG CAS, Coimbatore
56	FDP	Ms.P.Sudha	27.01.2025 to 01.02.2025	Empowering Society : Leveraging Advanced Communications Technologies for a Connected and Resilient Future	ATAL Academy-Velalar College of Engineering
57	FDP	Ms.I.Kalaiyarasi	27.01.2025 to 01.02.2025	Empowering Society : Leveraging Advanced Communications Technologies for a Connected and Resilient Future	ATAL Academy-Velalar College of Engineering
58	FDP	Ms.R.Logambal	27.01.2025 to 01.02.2025	Empowering Society : Leveraging Advanced Communications Technologies for a Connected and Resilient Future	ATAL Academy-Velalar College of Engineering

59	FDP	Ms.T.Janani	27.01.2025to31.01.2025	UiPath Robotics Process Automation	E & ICT Academy
60	FDP	Ms.B.Madhubala	27.01.2025to31.01.2025	UiPath Robotics Process Automation	E & ICT Academy
61	FDP	Ms.I.Kalaiyarasi	27.01.2025to31.01.2025	UiPath Robotics Process Automation	E & ICT Academy
62	FDP	Mr.D.Justin Jose	20.01.2025to25.01.2025	AI Powered Learning : Shaping the Future of Education	VICAS
63	FDP	Ms.C.Visali	06.01.2025to11.01.2025	Revolutionizing Agriculture through AI Models, Practices and Interventions	ATAL Academy

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	Mr.D.Justin Jose	ICIECST 2025	A digital platform for Realtime price discovery and market access	Sree Sakthi Engineering College	29.03.2025
2	Mrs.S.Brindha	ICIECST 2025	3D model industrial learning system	Sree Sakthi Engineering College	29.03.2025
3	Ms.P.Sudha	ICIECST 2025	Smart Water Monitoring System Using One Class SVM	Sree Sakthi Engineering College	29.03.2025
4	MS.G.Gomathi	ICIECST 2025	Smart Logistics Guard: Preventing Theft & Ensuring Fifo Compliance In Supply Chains	Sree Sakthi Engineering College	29.03.2025

5	Dr.S.Radha	ICETS' 25	Waste collecting Robot in the ocean	Muthayammal College of Engineering	28.03.2025
6	Ms.C.Visali	ICETS' 25	Smart Learning Pathways	Muthayammal College of Engineering	28.03.2025
7	Ms.R.Logambal	ICETS' 25	Smart Traffic Management System	Muthayammal College of Engineering	28.03.2025
8	Mrs.B.Madhubala	ICETS' 25	Welfare Web: Website for Socio-Economic background Schemes with Chatbot	Muthayammal College of Engineering	28.03.2025
9	Ms.I.Kalaiyarasi	ICCII 25	Real Time Hospital Management and Patient Monitoring System	Velammal Institute of Technology	21.03.2025& 22.03.2025
10	Mrs.T.Janani	ICOST 2025	Personalized Career Guidance Too	Annapoorana Engineering College	21.03.2025& 22.03.2025

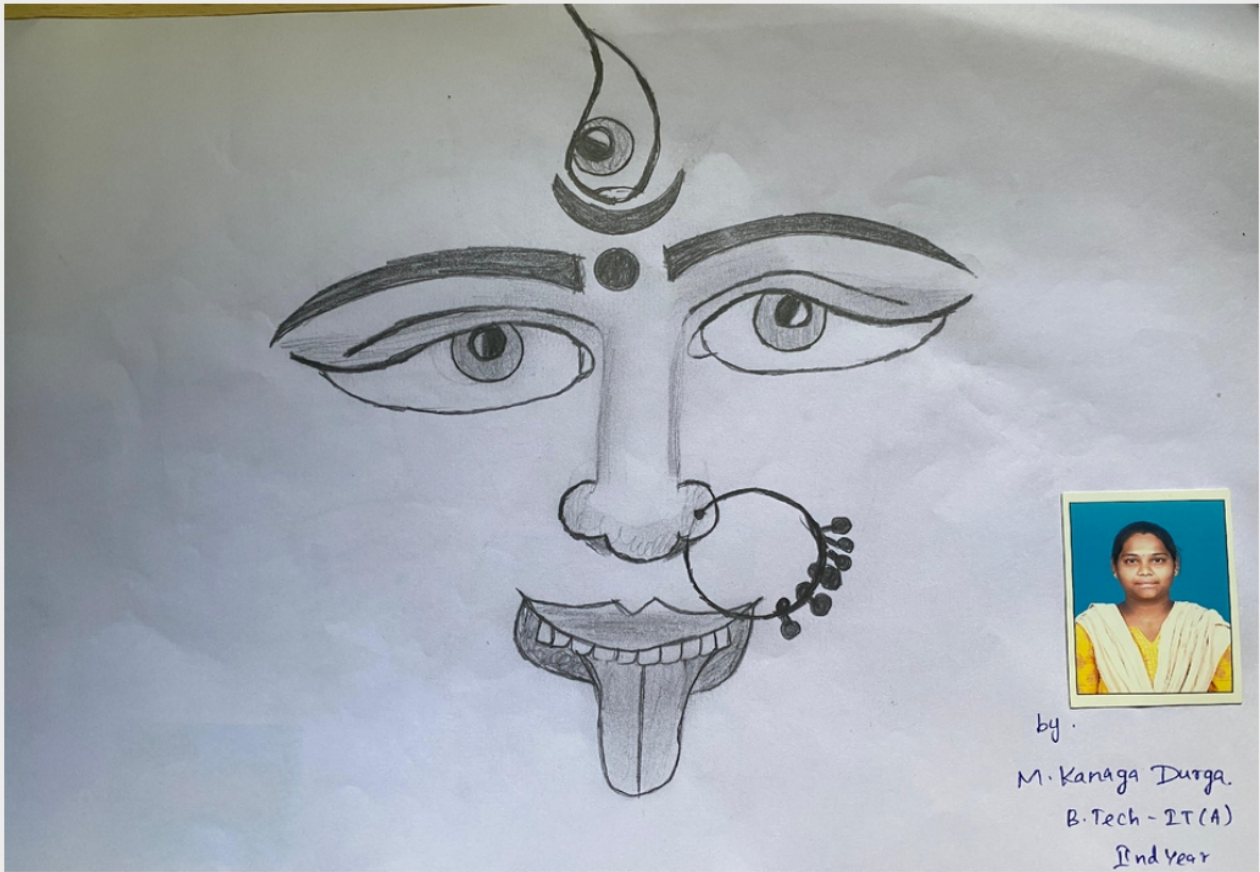
11	Dr.S.Radha	ICSTEM 2025	A Robust System for Secure and Transparent Seller Registration	KIT- Kalaingar Karunanithi Institute of Technology	14.03.2025& 15.03.2025
12	Dr.A.V.Santhosh Babu	ICIT- 25	Health Tech Platform For Remote Patient Data Acquisition And Care Delivery	Erode Sengunthar Engineering College	03.03.2025 & 04.03.2025
13	Mr.E.Thangadurai	ICIT- 25	Deaf Companion System for Inclusive Communication Between Deaf and Hearing Individuals using Artificial Intellig ence	Erode Sengunthar Engineering College	03.03.2025 & 04.03.2025
14	Ms.T.Haritha	ICIT- 25	Guardian Halo : A Proximity Alert System For Borewell And Open Pit Saftey	Erode Sengunthar Engineering College	03.03.2025 & 04.03.2025
15	Ms.A.Sumathi	ICMTCC- 2025	DART-District Administration Real-Time Monitoring Dashboard	VICAS	26.02.2025 &27.02.2025

RESEARCH PUBLICATIONS BY FACULTY (INTERNATIONAL)

S.No.	Name of the Author(s)	UGC/ Scopus/ Others	Publication date	Name of the journal	Title of the paper	ISSN no.
1	Ms.P.Sudha	UGC7.4	May 2025	IJRASET	Predicting the Severity of Road Accidents Using Deep Learning and Transfer Learning Approaches	ISSN : 2321-9653Vol.13 / Issue V
2	Dr.S.Radha	SCI	APRIL 2025	Concurrency and Computation: Practice and Experience	HoneyFed Adaptive Deception With Federated Learning Strategy for Next-Generation Robust MANET Security	ISSN : 1532 - 0634Vol.37 / Issue 9-11
3	Dr.S.Radha	7.7	APRIL 2025	IJRAR	Waste collecting Robot in the ocean	ISSN : 2349-5138Vol.12 / Issue 2

4	Dr.A.V.Santhosh Babu	SCI/Scopus	APRIL 2025	ECS Journal of Solid State Science and Technology	Cognitive Edge-Driven Data Handling across Distributed SensorNodes for Robust Communication Networks	ISSN : 2162-8777Vol.14 / Issue 4
5	Dr.A.V.Santhosh Babu	UGC	APRIL 2025	ICTACT Journal on Soft Computing	A Deep Stacking Network Model Of Antiviral-HPV Protein Interaction Prediction	ISSN : 2229-6956Vol.16 / Issue 1
6	Ms.C.Visali	7.7	APRIL 2025	IJRAR	Smart Learning Pathways	ISSN : 2349-5138Vol.12 / Issue 2
7	Ms.R.Logambal	7.7	APRIL 2025	IJRAR	Smart Traffic Management System	ISSN : 2349-5138Vol.12 / Issue 2

8	Ms.B.Madhubala	7.7	APRIL 2025	IJRAR	Website for Socio-Economic Background Schemes with Chatbot	ISSN : 2349- 5138Vol.12 / Issue 2
9	Ms.G.Gomathi	Scopus Indexed 6.3	Feb 2025	GRADIVA REVIEW JOURNAL	IoT framework for smart poultry with intelligent decision making usingfuzzy logic	ISSN : 0363- 8057Vol.11 / Issue 1
10	Ms.P.Sudha	7.17	Jan 2025	IJRAR	Comprehensive Survey on Automated Approach to Predict Road Traffic Accident Severity with Transformer Learning and Explainable AI Techniques	ISSN : 2349- 5138Vol.12 / Issue 1
11	Dr.A.V.Santhosh Babu	SCI/Scopus	Jan 2025	SCI/Scopus	Empowering WBANs: Enhanced Energy Efficiency Through Cluster- Based Routing and Swarm Optimization	ISSN : 2073- 8994Vol.17 / Issue 1



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