



**VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN**  
[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]  
Elayampalayam – 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.



### INDIVIDUAL FACULTY PROFILE

#### I. GENERAL INFORMATION

1. Name : Dr.R.Nithya
2. Designation/Dept. : Associate Professor
3. Residential Address : 72/2-1,VMSApartment,Manakkadu,  
Kootapalli,Tiruchengode,  
Namakkal,637214
- Phone No. : 9952184683
- E-mail id : nithyar@vcew.ac.in
4. Date of Birth : 31-07-1987
5. Community : MBC
6. Father / Husband Name : K.Yuvaraj
7. Area of Specialization : Wireless Networks
8. Date of first appointment  
in college service : 01.07.2010
9. Date of Joining : 15.02.2021

#### II. ACADEMIC QUALIFICATION

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
U.G.	B.E	CSE	2008	Nandha Engineering College,Erode	Anna University	72	First
P.G.	M.E	CSE	2010	SNS College of Technology, Coimbatore	Anna University	82	First
Ph.D.	PhD	Information and Communication Engineering	2017	Anna University	Anna University	-	-

### III. TEACHING EXPERIENCE

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Vivekanandha College of Engineering for Women	Associate Professor	15.02.2021	-	04	01	23
Bannari Amman Institute of Technology	Associate Professor	16.10.2020	13.02.2021	-	03	29
K.S.Rangasamy College of Technology	Assistant Professor	01.07.2010	15.10.2020	10	03	15
Total				14	09	07

### IV. NO.OF PAPERS PRESENTED AND PARTICIPATED CONFERENCE / SEMINAR / WORKSHOP:

S.No	Title	Event	Organizer	Date
1.	Development of Academic Leadership	Webinar	Christ University	20.01.2023
2.	Problem solving and Python programming	FDP	M.Kumarasamy College of Engineering	18.07.2022 to 23.07.2022
3.	IP Awareness/Training program	Awareness program	Intellectual property office,India	29.11.2022
4.	Application of Innovative soft tools and techniques in Research	Webinar	Vivekanandha College of Technology for Women	25.02.2022
5.	Data Analytics – creating value with data	Webinar	Saintgits College of Applied Sciences	19.02.2022
6.	Robotics	FDP	National Institute of Technology,Nagaland	14.02.2022 to 18.02.2022
7.	Machine learning applications for Autonomous driving	FDP	KLE Technological University,Kerela	24.01.2022 to 28.01.2022
8.	Impact of National Educational policy-2020 on women Education	Webinar	Vivekanandha College of Engineering for Women	18.09.2021
9.	3DP,CAE and IOT Technology enabled product engineering and innovation conclave	Webinar	Paavai Engineering College	27.05.2021
10.	Recent Advances in satellite propulsion system	Webinar	Hindusthan Institute of Technology	05.06.2021

11.	Datascience for Health care	FDP	Vivekanandha College of Engineering for Women	21.06.2021 to 25.06.2021
12.	Insights of NBA	FDP	K.C.College of Engineering and Management studies	28.06.2021 to 30.06.2021
13.	Analysis of full adder cells in numerous logic styles	Conference	St.Mother Teresa Engineering College	16.03.2022

## V. PUBLICATIONS

### 1. JOURNAL

S.No	Title of the Paper	Journal Name	Year of Publication	SCI/Scopus /Others
1	EWR-ICSA: Energy Aware Secured Routing Protocol Based Underwater Wireless Sensor Networks Using Improved Circle Search Algorithm	Wireless personal Communication	2024	SCI
2	Analysis and Prediction for Performance of Indian Premier League	International Journal of Research and Analytical Reviews	2024	Others
3	Hair Segmentation and Removal in Dermoscopic Images using Deep Learning	International Journal of Research and Analytical Reviews	2024	Others
4	Credit card fraud detection using Machine Learning	International Journal of Current Engineering and Scientific Research	2023	Others
5	An Experimental investigation on analysis of Osteoarthritis using an Adaptive Multi-Resolution Detail-Preserving Filter	International Journal of Advances in Engineering and Management	2023	Others
6	Distributed Multi-hop Clustering Approach with Low Energy Consumption in WSN	Computer Systems Science & Engineering	2022	SCI
7	Bio touch pass: Efficient password mechanism to overcome spyware attacks	International Journal for Research in	2022	Others
8	Missing child recognition system using deep learning and multi-class support vector machine	International Journal of Innovative Research in Technology	2022	Others

9	A Smart Parking System: an IoT based Computer Vision approach for free parking spot detection using YOLOv3 method	Wireless Personal Communications Fast R-CNN	2022	SCI
10	Accuracy of Cervical Cancer Prediction Using Machine Learning Algorithms	Design Engineering	2021	Scopus
11	Detection and Classification of Breast Cancer Using Improved Grey Wolf Algorithm	Material science and Engineering	2021	Scopus
12	An Optimized Fuzzy based Ant Colony Algorithm for 5G-MANET	Tech Science Press (Computers, Materials & Continua)	2021	SCI
13	An improved machine learning for twitter breaking news extraction based on trend topics	International Research Journal of Engineering and Technology	2019	Others
14	Gene Based Energy and Bandwidth Optimized Routing for Differentiated Services in Wireless Sensor Network	Middle-East Journal of Scientific Research	2016	Scopus
15	Generalized Iterative scaling for energy efficient based multi hop clustering in wireless sensor networks	Asian journal of Information Technology	2016	Scopus

## 2. BOOKS/BOOK CHAPTER

S.No	Author/s	Title	Publisher	Year of publication
1.	Dr.R.Nithya	Machine Learning for Industrial Internet of Things	BP International	2023
2.	Dr.R.Nithya	Basic concepts of computer system security	NTL Publications	2023

## VI. CONFERENCE / SEMINAR/ WORKSHOP ORGANIZED

S.No	Organized Event	Title of the Event	Date
1.	Workshop	CSIR Sponsored workshop "Regulatory Challenges and Opportunities for Blockchain – AI Integration in Healthcare Using Viz. AI and Enlitic Tools"	14.03.2024 to 15.03.2024
2.	One credit course	One credit course on "Art of Doing Research"	07.11.2022 to 25.11.2022
3.	Webinar	Webinar on "Predictive analysis in Machine Learning"	29.11.2022
4.	Guest lecture	Guest Lecture on "Design and Analysis of Algorithms"	06.05.2022
5.	Guest lecture	Guest Lecture in Big data	14.03.2022
6.	Webinar	Webinar on Blockchain Technology	15.11.2022

**VII. MEMBERSHIP TO PROVISIONAL ORGANIZATION / ASSOCIATIONS**

<b>S.No</b>	<b>Name of the Organization / Associations</b>	<b>Life Member / Ordinary Member</b>
1.	ISTE	Life member
2.	IAENG	Life member

**VIII. AWARDS / RECOGNITIONS :**

- Computer System Science and Engineering Outstanding reviewer award of 2023 from Tech Science Press
- Received Elite Award in NPTEL Course Software Testing Jan- Feb 2022

**IX. ANY OTHER :**

- Patent published in the topic of IOT Based Performance Investigation System for DC Motor
- Patent published in the topic of A full stack approach to develop industrial refrigerator unit using IOT
- Patent filed in the topic of Machine learning and Datascience based Bigdata analytics of patients suffering from lungs cancer
- Applied Copyrights for the topic of Intelligent Robotic wheelchair for disabled people.



**Signature of the Faculty**