



**VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN**  
(Autonomous)

ELAYAMPALAYAM, TIRUCHENGODE - 637 205

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**INDIVIDUAL FACULTY PROFILE**



**I. GENERAL INFORMATION**

1.	Name	:	Dr. R. Rohini
2.	Designation	:	Associate Professor
3.	Residential Address	:	69/37A, Jeeva Nagar, Krishnampalayam, Erode-638003
4.	Phone No.	:	9894573808
5.	E-mail id	:	rohini84@gmail.com
6.	Date of Birth	:	10-06-1984
7.	Community	:	BC
8.	Father / Husband Name	:	S.Ravi
9.	Area of Specialization	:	Wireless Sensor Networks
10.	Date of first appointment in college	:	25.07.2005
11.	Date of Joining	:	05.01.2009
12.	PAN No	:	AQRPRO888C
13.	Aadhar No	:	447617968527

**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
UG	B.E	Computer Science and Engineering	2005	P.T.R College of Engineering and Technology	Anna University	73	I Class
PG	M.E	Computer Science and Engineering	2008	Raja College of Engineering	Anna University	86	I Class with Distinction

Ph.D.	Ph.D	Information and Communication Engineering	2016	-	Anna University Coimbatore	-	Highly Commended
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### III. TEACHING EXPERIENCE

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Vivekanandha College of Engineering for Women	Associate Professor	30.12.2016	Till now	2	6	-
Vivekanandha College of Engineering for Women	Assistant Professor	05.01.2009	30.12.2016	7	11	26
Pandian Saraswathi Yadav Engineering College	Lecturer	25.07.2005	29.06.2006	-	11	4
Total				11	6	-

### IV. INDUSTRIAL EXPERIENCE

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
NIL							

### V. RESEARCH EXPERIENCE

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
NIL							

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

S.No	Title	Event	Organizer	Date
<b>WORKSHOP</b>				
1.	Scientific Bigdata and Machine Learning	International Workshop	Chinese Academy of Sciences at Beijing, China	08.09.2019 to 21.09.2019
2.	Research Methodology, Techniques of Writing Research Articles for SCI Journals and Ph.D Thesis Preparation	Workshop	Vivekanandha Engineering College for Women	21.10.2016.
<b>FDP</b>				
3.	Computer Vision and Image Processing	FDP	Swami Keshvanand Institute of Technology, Management & Gramothan	31.01.2022 to 04.02.2022
4.	Introduction to Python Programming	FDP	ICTACT-Kongu Arts and Science College	25.02.2019 & 26.02.2019
5.	Introduction to R-Programming	FDP	ICTACT -Vellalar	27.12.2018

			College of Engineering and Technology	& 28.12.2018
6.	Analysis of Algorithms	FDP	KSR Institute of Engineering and Technology	11.01.2017 & 12.01.2017
7.	Introduction to BigData Analytics	FDP	ICTACT- Kongu Engineering	18.10.2016 & 19.10.2016

## VII. PUBLICATIONS

<b>No of SCI Journals</b>	<b>No of Scopus</b>	<b>No of International Journals</b>
5	9	10

S.No	Title of the Paper	Journal Name	Year of Publication
1.	Learning Management System	International Journal of Research and Analytical Reviews	2025
2.	An Efficient Image Analysis Framework for the Classification of Glioma Brain Images Using CNN Approach	Computers, Materials & Continua CMC (SCI)	2020
3.	A survey on security enhancement of fragmentation and replication with division based cloud data storage	International Journal of Intellectual Advancements and Research in Engineering Computations	2020
4.	Development of Available Transfer Capability Enhancement Using Intelligent Genetic Algorithm for IEEE Bus System	Intelligent automation and soft computing (SCI)	2019
5.	Intercluster Link Management for Quality of Service Development by Mitigating the Hidden Node Problem in Wireless Sensor Networks	Journal of Testing and Evaluation (SCI)	2019
6.	Cost Optimization and Development of Hybrid Energy Systems for Rural Areas in Ethiopia with a Balance of Their Energy Need and Resources Availability - A Case Study-On Tuludimtu	Journal of Testing and Evaluation (SCI)	2019
7.	Novel Hybrid Power Quality improvement and MPPT Control of Smart Grid Systems	Universal Review Journal	2019
8.	Development of an Outage Management System for Power Distribution Networks	International Journal of Simulation Systems, Science & Technology	2019
9.	IOT Based Smart Monitoring System for fish Farming	International Journal of Engineering and Advanced Technology	2019
10.	Design of an Intelligent Internet of Things (IOT) based Aqua Monitoring and Controlling System	International Journal of Advances in Engineering and Emerging Technology	2018
11.	Inter Cluster Group Management in Wireless Sensor Networks	Journal of Computer Science	2018
12.	Frequent Subgraph Mining Algorithm with Load Balancing for Enhanced Iterative Mapreducing Techniques	International Journal of Chem Tech Research	2017
13.	Efficient Home Security System Based on Biometrics and Keypad System	International Journal of ChemTech Research(scopus)	2017
14.	Performance analysis to improve quality of service using cluster based hidden node	Intelligent Automation and Soft Computing	2016

	detection algorithm in wireless sensor networks	(SCI)	
15.	IOT – A Survey on Privacy and Security for Smart Homes	The Institute of Interactive Omics and Applied Biotechnology Journal	2016
16.	Detection of Residual Nodes in Wireless Sensor Networks by Node Weighting Algorithm	International Journal of Printing, Packaging & Allied Sciences(scopus)	2016
17.	A Simple and Efficient Malicious Node Detection System for improving the Performance of the Wireless Sensor Networks	International Journal of Applied Engineering Research(Scopus)	2016
18.	An Efficient Private Frequent Itemset and Association Rule Mining	Middle-East Journal of Scientific Research(scopus)	2016
19.	An Efficient Parallel Iterative Mapreduce Based Frequent Subgraph Mining Algorithm	Middle-East Journal of Scientific Research(Scopus)	2016
20.	MATLAB/SIMULINK Based Intelligent Power Quality Conditioner Using Fuzzy Logic Controller	Middle-East Journal of Scientific Research(Scopus)	2016
21.	Study of privacy preserving frequent itemset mining via smart splitting	International Journal of Advanced Research in Computer Science and Software Engineering	2015
22.	Study of iterative mapreduce frequent subgraph mining	International Journal of Advanced Research in Computer Science and Software Engineering(scopus)	2015
23.	A Detailed Survey on Cluster Based Malicious Node Detection in Wireless Sensor Networks	Australian Journal of Basic and applied Sciences (scopus)	2015
24.	Improving The Network Performance By Optimizing The Firewall Policy	International journal of applied Engineering research (scopus)	2015

### VIII. CONFERENCE / SEMINAR/ WORKSHOP ORGANIZED

#### Guest Lecture Delivered

S.No	Topic Delivered	Name of the Organization	Date
1.	Programming and Data Structures	Vivekanandha Institute of Engineering and Technology for Women	19.10.2016
2.	Network security	Vivekanandha College of Arts and Sciences for Women	10.01.2017

**IX. CONFERENCE / SEMINAR/ WORKSHOP/TRAVEL PROPOSAL GRANTED**

S.No	Name of the Agency	Type	Title of the Conference /Seminar/Workshop/Travel	Date	Amount Funded
1	Chinese Academy of Sciences	Travel	International Workshop on Scientific Bigdata and Machine Learning in Beijing, China.	08.09.2019 to 21.09.2019.	Air fare & Accommodation
2	Indian Council of Medical Research (ICMR)	Workshop	The Generative AI Revolution in Healthcare: Precision, Efficiency and Innovation	16.07.2025 & 17.07.2025	Rs.2,94,500

**X. CHAIRMAN / MEMBER OF AUTHORITY / COMMITTEE etc.**

S.No	Chairman/Member/Secretary	Committee / Authority	Year (From – To)
1	Member Secretary	Academic Council	2018-2020

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


S.No	Name of the Organization / Associations	Life Member / Ordinary Member
1.	Indian society for technical education	Life member
2.	International association of engineers	Life member

**XII. AWARDS / RECOGNITIONS:**

Sl. No.	Title	Awards/Recognitions
1	Best Outstanding Researcher Award	Top Engineers (Top International Educational Trust) in the function of "TESFA -2017" on March 26 in puduchery

**XIII. REVIEWER:**

Sl. No.	Journal Name	Member
1	Interdisciplinary Sciences-Computational Life Sciences(INSC)	Reviewer

  
Signature of the Faculty