

Faculty Profile

Dr.P.Prabaharan.,B.E.,M.E.,Ph.D

S/O V.Periyasamy,

Kalangani

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EDUCATIONAL QUALIFICATION

COURSE	BOARD/UNIVERSITY	INSTITUTION	YEAR OF PASSING	PERCENTAGE
Ph.D	Anna University Chennai	Anna University Chennai	March 2018	-
M.E (CSE)	Anna University Chennai	Pavvai Engineering College, Namakkal	2010	8.9
B.E (CSE)	Anna University Chennai	SSM College of Engineering, Komarapalayam.	2007	76%

PROFESSIONAL EXPERIENCE:

Total work Experience: 16.5 Years till date.

S.No	Name of the Institution	Designation	Period	Total Experience
1.	Vivekanandha College of Engineering for Women, (Autonomous) Tiruchengode, Namakkal.	Associate Professor and Head/ CSE	3.05.2025 to Till Date	-
2	Vivekanandha College of Engineering for Women, (Autonomous) Tiruchengode, Namakkal.	Associate Professor/IT	11.11.24 to 2.5.2025	6 Months
3	Vivekanandha College of Technology for Women, Tiruchengode, Namakkal.	Head of the Department /IT	03.11.22 to 09.11.24	2 years
4	Vivekanandha College of Technology for Women, Tiruchengode, Namakkal.	Head of the Department / CSE	11.08.22 to 02.11.22	1 year 3 Months
5	Vivekanandha College of Technology for Women, Tiruchengode, Namakkal.	Head of the Department / IT	26-10-20 to 10.08.22	1 year 10 Month

6.	Vivekanandha College of Engineering for Women, (Autonomous) Tiruchengode, Namakkal.	Associate Professor	22-06-2018 to 25-10-2020	2 Year 4 Months
7.	Paavai Engineering college (Autonomous), Namakkal.	Assistant Professor	10-07-2015 to 20-06-2018	2 Year 10 Months
8.	Vivekanandha College of Engineering for Women (Autonomous), Tiruchengode, Namakkal.	Assistant Professor	01-06-2010 to 30-06-2015	5 Years
9.	Vivekanandha College of Engineering for Women (Autonomous), Tiruchengode, Namakkal.	Lecturer	23-07-2007 to 30-06-2008	11 Months

SUMMARY

National & International Journals	10	Workshops/ Seminar Organized	22
Guest Lecture Delivered (External)	02	Workshop/Seminar Attended	31
Journal Reviewer	02	Faculty Development Programme	08
International Conference	06	Conference Organized	05
National Conference	07	Guest Lecture Organized	15
NPTEL Course	01	Project Guided (UG& PG)	36
Fund Received	03	Patent	02
Number of Awards Received	04	Book Published	03

JOURNAL REVIEWER

1. iJARS Group International Board of Reviewer (**Reviewer Id - iJARS100E03118**).
2. International Journal for Research and development in Technology

AWARDS RECEIVED

1. Recognized as Bronze partner faculty under Inspire-The campus connect faculty

- Partnership model (Infosys Campus Connect) in 2017.
2. Recognized as the Best Coordinator for successfully conducting Skill edge Technology Foundational Courses April 2021 at their Institution by ICT Academy in 2021.
 3. Recognized as the Active SPOC based on performance & participation of candidates for the JAN-APR 2022 Semester.
 4. Recognized for organizing the Awareness program on Intellectual property under National Intellectual property Awareness Mission Organized by Intellectual property office, India.

INVITED TALK

S.No	Name of the Event	Date & Venue	Title of Presentation
1	AICTE sponsored (ATAL) Five day on-line FDP on AR methods & visualization techniques.	10 th June 2021, Gnanmani College of Technology, Pachal, Namakkal-DT	Augmented Reality/ Virtual Reality (AR/VR)
2	AICTE Sponsored online STTP on Digital Farming Exploration with Artificial Intelligence.	17 th December 2020,Vivekanandha College of Technology for Women, Elayampalaym.	Challenges in Artificial Neural Networks

FUND RECEIVED

1. Received Fund Rs 35,0000 for conducting six days faculty development programme - physical mode by the Anna university, Chennai during 01.07.2024 to 06.07.24.
2. Received fund Rs 50,000 for Adopting 5 Villages to transformational change in rural development processes under the scheme Unnat Bharat Abhiyan in Novemebr 2022.
3. Received fund Rs 1,25,000 for conducting two week ISTE Workshop Sponsored by National Mission on Education Through ICT(MHRD) on **“Database Management**

- System**", Conducted by Indian Institute of Technology(IIT), Bombay from 21st May to 31st, 2013 at Vivekanandha College of Engineering for Women, Tiruchengode.
4. Received fund Rs 82,000/- for conducting two week ISTE Workshop Sponsored by National Mission on Education Through ICT(MHRD) on "**Computer Programming**", Conducted by Indian Institute of Technology(IIT), Bombay from 16th Jun to 21st, 2014 at Vivekanandha College of Engineering for Women, Tiruchengode.
 5. Received fund Rs 1,17,000 for conducting one week ISTE Sponsored Workshop on "**Big data analytics & Security**" at Paavai Engineering College from may 9th to 14th 2016.

NATIONAL & INTERNATIONAL JOURNALS

1. Published a Paper Titled, "**Investigation on Automated Surveillance Monitoring for Human Identification and 164-172 Recognition using Face and Iris Biometric**", in Journal of Ambient Intelligence and Humanized Computing for Dec 2020 (**Springer-Annexure-I**).
2. Published a Paper Titled, "**Enhancement energy proficient clustering (EEPC) algorithm for minimizes the energy depletion in wireless sensor network**".in journal of intelligent & Fuzzy System Volume 46 P.No 1999-2008. (**Annexure-I**).
3. Published a Paper Titled, "**Target Tracking in wireless sensor networks with mesh heuristic optimization for target moment prediction Scheme.**" in AHSWN journal. (**Annexure-I**).
4. Published a Paper "**Bridging connecting gaps with dynamic and self-organizing communication in ad-hoc wireless networks**" in ICTACT journal on communication Technology ,March 2020,volume 14.(UGC CARE)
5. Published a Paper "**Data Collection using compressive Sensing in a wireless sensor networks for unequal clusters**"in international Journal of Technical education,volume46,issue 4,December 2023.(UGC CARE)
6. Published a Paper Titled, "**Task Scheduling In cloud computing Using Ica and Crow Search Algorithms**", in Bioscience Biotechnology Research Communications for Jan 2020 edition Volume-13 (6) 2020 . ISSN:2321-4007 P.No:164-172 (**UGC Approved and Scopus**).

7. Published a Paper Titled, **“A survey on healthcare prediction analysis”**, in International Journal of Intellectual Advancements and Research in Engineering Computations [Impact Factor: 4.021] for Jan 2020 edition Volume-8 Issue-1. Reference Number: ISSN:2348-2079 **(UGC Approved and Scopus)**.
8. Published a Paper Titled, **“Energy Efficient Object Tracking Using Adaptive Node Deployment and Evolutionary Algorithm Based Node Localization”**, in International Journal of Scientific & Technology Research - [Impact Factor: 3.023] for October 2019 edition. Reference Number : IJSTR-1019-23842**(UGC Approved and Scopus)**
9. Published a Paper Titled , **‘Efficient Tracking Using Hybrid Clustering and Low Power Prediction Mechanism’**, Australian Journal of Basic Applied Sciences, vol. 9, no. 5, April 2015 pp. 794-802. ISSN 2249-7315.
10. Published a Paper Titled **“A Survey on Energy Efficient Target Tracking in Wireless Sensor Networks”**, in International Journal of Applied Engineering of Research Vol No 52, June 2015 Print ISSN 0973-4562 Online ISSN 1087-1090 **(UGC Approved and Scopus)**.
11. Published a Paper Titled **“Sensor Organization For Energy Resourceful Multiple Objects Tracking using Compression”**, in International Journal of Applied Engineering of Research Vol No 52, June 2015 Print ISSN 0973-4562 Online ISSN 1087-1090**(UGC Approved and Scopus)**.
12. Published a paper Titled **“Confidential Image De-Duplication in cloud Storage”**, in international Research Journal of Engineering and Technology(IRJET) Volume: 07 Issue: 02 | Feb 2020, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Impact Factor-7.34.
13. Published a paper Titled **“Cluster Based Architecture For Localization And Tracking In Wireless Sensor Network”**, in Journal of Computer Science(Annexure-II) Vol 10, Issue 5, Jan 2014, ISSN Print:1549-3636.
14. Published a paper titled **“A Survey on Multipath Routing Protocols for Reliable Data Transmission in Wireless Sensor Networks”**, in International Journal of Research in Computer and Communication Technology (IJRCCT), Vol 2, Issue 11, November- 2013.
15. Published a paper Titled **“A Survey on Energy Efficient Target Tracking in Wireless Sensor Networks”** ,in International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 11, November – 2013.

1. Presented a paper Titled **“Unveiling the secrets of deep learning for baby cry recognition”** in the national conference on “Emerging trends in engineering and technology” held on 6th April 2024.
2. Presented a paper Titled **“Confidential Image De-duplication in cloud Storage”** in the International Conference on Engineering and Technology “ICET -2020 held on 4th & 5th March 2020 at Selvam College of Technology, Namakkal.
3. Presented a paper Titled **“Energy efficient Object tracking in Wireless Sensor Networks”** in the International Conference “ICEECE -2016 held 22 & 23 March Vivekanandha College of Engineering for Women , Tiruchengode, Namakkal.
4. Presented a paper Titled **“A Survey On Energy Efficient Resource Management Schemes In Cognitive Radio Sensor Networks** in the International Conference “ICATS-2016 held 13 & 14 May at Pavvai Engineering College , Namakkal.
5. Presented a paper Titled **“A Survey on Object Tracking in Wireless Sensor Networks”** in the International Conference “ICEECE -2015 held 11 & 12 March Vivekanandha College of Engineering for Women , Tiruchengode, Namakkal.
6. Presented a paper Titled **“optimized power aware target tracking” is changed to “Energy efficient Target tracking in WSN”** in the International Conference “ICATS-2014 held 9th March at Pavvai Engineering College , Namakkal
7. Presented a paper Titled **“A Cut Dynamic Independent Avoidance Scheme With Inter Cell Coordination in Wireless Sensor Networks”** in the International Conference “ICAT-2013 held 8th March at J.K.K Natraja College of Engineering and Technology, Komarapalayam, Namakkal.
8. Presented a paper Titled **“Load Balancing in Wireless LAN”** in the International Conference “ICRATEMS-2012 March at Vivekanandha College of Engineering for Women, Tiruchengode, Namakkal.
9. Presented a paper Titled **“ Energy Efficient Routing for Object Tracking in Wireless Sensor Networks”** in the National Conference on Computing Communication Technology and Science held on 5th & 6th April 2013 at Muthyammal College of Engineering, Rasipuram
10. Presented a paper Titled **“ A Survey on Wireless Routing Protocols”** in the MNRE Sponsored National Conference on Green Energy Research and Applications(NCGERA'13) held on 27th & 28th Feb 2013 at Vivekanandha Institute of Engineering Technology for Women ,Tiruchengode.

11. Presented a Technical Paper “**Maintain high Consistency by data replication in Mobile ad-hoc Networks**” in the National Conference on Innovations in Computing Techniques on 02nd April 2008 in **Mahendra Engineering College**, Mallasamuthram.
12. Presented a Technical Paper “**Cross Layer approach to improve Quality of Service in Mobile Ad-hoc Networks**” in the National Research Conference on Challenges & Innovations in Information Technology on 14th March 2008 in **Vivekanandha College of Engineering for women** , Tiruchengode.
13. Presented a Technical Paper “**Probabilistic group nearest neighbor Routing Protocol**” in the National Conference on Network intelligence and Computing systems on April 01&02 of 2009 in **Vivekanandha College of Engineering for women** , Tiruchengode
14. Presented a Technical Paper “**Cell Breathing Techniques in Wireless Networks**” in the National Conference on Advanced Computing and Wireless Technology on 18th Feb 2011 in **Vidya vikas College of Engineering and Technology**, Tiruchengode.
15. Presented a Technical Paper “Load Balancing in wireless LAN using Cell Breathing techniques” in the National Conference on Advanced Computing and Communication on 07th April 2010 in **PGP College of Engineering and technology**, Namakkal.

WORKSHOP/ SEMINAR /CONFERNCE/SYMPIOSIUM ORGANIZED

1. Coordinator for days faculty development programme on “**GURU SRISHTI-FACULTY TRANSFORMATION AND EFFECTIVE COMMUNICATION SKILL**” held at Vivekanandha college of Engineering for Women, Tiruchengode on 19th & 20th july 2019.
2. Coordinator for two days faculty development programme on “**BIG DATA ANALYTICS**” jointly organize ICT Academy with Vivekanandha college of Technology for Women, Tiruchengode on 18-2-19 & 19-2-19.
3. Coordinator for Two day National level Technical Symposium on “**Chase IT 2k15**” on March 15 & 16th 2015 at Paavai Engineering College ,Namakkal.
4. Coordinator for Two week ISTE Workshop Sponsored by National Mission on Education Through ICT(MHRD) on “**Database Management System**”, Conducted by Indian Institute of Technology(IIT), Bombay from 21st May to 31st ,2013 at Vivekanandha College of Engineering for Women,Tiruchengode.
5. Coordinator for Two week ISTE Workshop Sponsored by National Mission on Education Through ICT(MHRD) on “**Computer Programming**”, Conducted by Indian Institute of Technology(IIT), Bombay from 16th Jun to 21st ,2014 at Vivekanandha College of Engineering for Women,Tiruchengode

6. Coordinator for One day Workshop on **"Network Simulator-2"** on February 19th 2014 at Vivekanandha College of Engineering for Women, Tiruchengode.
7. Coordinator for One day Workshop on **"Latex-development tool"** on March 25th 2014 at Vivekanandha College of Engineering for Women, Tiruchengode.
8. Coordinator for One day Workshop on **"Mobile App development"** on February 25th 2014 at Vivekanandha College of Engineering for Women, Tiruchengode.
9. Coordinator for Two day International Conference "ICRATEMS-2012 March at Vivekanandha College of Engineering for Women, Tiruchengode, Namakkal.
10. Coordinator for Two day International Conference "ICEECE -2015 held 11 & 12 March Vivekanandha College of Engineering for Women, Tiruchengode, Namakkal.
11. Coordinator for Two day International Conference "ICATS-2014 held 9th March at Pavvai Engineering College , Namakkal.
12. Coordinator for Two day International Conference "ICRATEMS-2012 March at Vivekanandha College of Engineering for Women, Tiruchengode, Namakkal

FDP, WORKSHOP ,CONFERENCE& SEMINAR ATTENDED

1. Attended Two weeks Faculty Development Programme on **"Challenges and opportunities of Data Science in Smart Heakthcare:Turning Data into Clinical Intelligence"** at K.S.Rangasamy College of Technology, from 16-04-21 to 29-04-21.
2. Attended Five days Short term training programme on **"Innovative Teaching Learning Methodologies for Millennium Engineers"** at KPR Institute of engineering and of Technology, Coimbatore, from 18-11-19 to 23-11-19.
3. Attended Five days Faculty development programme on **"Machine Learning Using Python"** at Vivekanandha College of Technology for women, Tiruchengode from 11-11-19 to 16-11-19.
4. Attended three days entrepreneurship awareness camp on **"Entrepreneurship Development Institute of India"** at Vivekanandha college of Technology for Women, Tiruchengode from 26-9-19 to 28-9-19.
5. Attended a One day Awareness programme on **"NACC Accreditation and Documentation** held at Vivekanandha college of Engineering for Women, Tiruchengode on 19th September 2019.
6. Attended two days faculty development programme on **"Big Data Analytics"** held at Vivekanandha college of Technology for Women, Tiruchengode on 18-2-19 & 19-2-19.

7. Attended two days faculty development programme on **“Guru Srishti-Faculty Transformation And Effective Communication Skill”** held at Vivekanandha college of Engineering for Women, Tiruchengode on 19th & 20TH July 2019.
8. Attended a One day Awareness programme on **“Leading Towards Excellence In Teaching** Held at Vivekanandha college of Engineering for Women, Tiruchengode on 19th July 2018.
9. Attended a One day Awareness programme on **NBA-TIER-1 Course Attainment Mapping** held at Vivekanandha college of Engineering for Women, Tiruchengode on 23rd November 2018.
10. Attended a One day national level workshop on **“Big Data Analytics”** in KSR College of Tehcology, Tiruchengode 23rd Feb, 2018.
11. Attended Two week faculty development program on **“Computational energy management in smart grid”**”, Conducted by Vivekanandha College of Engineering for women, Tiruchengode from 20th November to 3rd December ,2017.
12. Attended a Two days national level workshop on **“Medical image analysis with deep learning frameworks”** in P.A College of Engineering and Tehcology, pollachi on November 29th&30th, 2017.
13. Attended a One Day Faculty development programme on **“Wireless Networks “in Dhanalakshmi Srinivasan College of Engineering, Coimbatore on August 17th ,2017.**
14. Attended a One Day Faculty development programme on **“Teaching Methodologies and Blooms Taxonomy”** in Dhanalakshmi Srinivasan College of Engineering, Coimbatore on Jan 4th ,2017.
15. Attended One week faculty development program on **“Advanced Java Programming”**, Conducted by Muthyammal Engineering College, Rasipuram from 8th December to 13th December ,2014.
16. Attended One week ISTE Coordinator Workshop on **“Computer Programming”**; Conducted by **Indian Institute of Technology**, Bombay from 21st April to 26th April,2014.
17. Attended One week ISTE Coordinator Workshop on **“Computer Networks”**, Conducted by **Indian Institute of Technology**, Bombay from 30st June to 05th July 2014.
18. Attended a Two Day Workshop on **“NPTEL and NMEICT”** in **National College of Technology (NIT), Warangal** on 30th September and 1st 2012.
19. Attended One week ISTE Coordinator Workshop on **“Cyber Security”**, Conducted by **Indian Institute of Technology**, Bombay from 10st July to 20th July,2014.

20. Attended a One Days Workshop on “**Quality Improvement Circle**” in Kongunadu College of Engineering and Technology, Trichy on Jan 2014.
21. Attended a One Days Workshop on “**Network Simulator-2**” in Vivekanandha College of Engineering for women , Tiruchengode on feb 19th 2014.
22. Attended a One Days Workshop on “**Latex-development tool**” in Vivekanandha College of Engineering for women , Tiruchengode on March 25^h 2014.
23. Attended Two Week ISTE Workshop on “**Analog Electronics**”, Conducted by Indian Institute of Technology (IIT), Khargapur from during June 4- 14, 2013.
24. Attended One week ISTE Coordinator Workshop on “**Database Management System**”, Conducted by Indian Institute of Technology (IIT), Bombay from May 04- 10,2013.
25. Attended a Two Day National level Workshop on “**Essentials of ASP.NET**” in Vivekanandha College of Engineering for Women, Tiruchengode on 30th September and 1st October 2013.
26. Attended Two Week AICTE Sponsored Staff Development Programme on “**Recent Advances in Pattern Recognition-Artificial Intelligence Models and Analysis in Biometrics**” held during 25th to 06th April2013 at KSR College of Technology, Tiruchengode.
27. Attended Two Week ISTE Workshop on “**Introduction to Research Methodologies**”, Conducted by Indian Institute of Technology(IIT), Bombay from 25th june to 04th july,2012.
28. Attended a One Day Workshop on “**Research Issues in Social Networking**” in National College of Technology(NIT), Trichy on May 2012.
29. Attended One week ISTE Coordinator Workshop on “**Database Management System**”, Conducted by Indian Institute of Technology, Bombay from 04th june to 10th july,2012.
30. Attended one-day workshop on “**Research issues and Research Methodologies**” conducted by Paavai Engineering College on 01st November 2008.
31. Attended one-day workshop on “**Latest Trends in Hardware and Networking**” conducted by RVS College of Engineering and Technology on 3rd August 2004.
32. Attended Two-day National Level workshop on “**Advancement in wireless Technologies and Application**” conducted by Kongu Engineering on 29th & 30th August 2011.
33. Attended a One week FDP on “**Open Source Software**” in Vellalar college of Engineering and Technology, Erode from 06-12-2010 to 11-12-2010.

34. Attended a Two day Workshop on “**Network Security & Software Configuration Management**” in RVS College of Engineering and Technology, Dindugal on December 2009.
35. Attended a Two day Workshop on “**Wirless Adhoc Netwoks**” in Pavvai Engineering College, 2010.
36. Attended a Two day Workshop on “**Soft Computing and Simulators**” in PSNA College of Engineering and technology on 24th and 25th march 2011.
37. Attended a FDP Programme on “**Cryptography & Cryptoanalysis**” in Sona College of Technology May 2010.
38. Attended Four-day workshop on “**Object Oriented Analysis and Design Using UML with essentials of Rational Software Architect**” conducted by IBM for IBM Software Education on from 3rd to 6th Jan 2011.
39. Attended a Two week FDP on “**Research issues and Challenges in wireless adhoc and sensor Networks**” in Vivekanandha college of Engineering for women, Tiruchengode on May 2011.
40. Attended a Two week FDP on “**Computer Network Design, Security and Management**” in Vivekanandha college of Engineering for women, Tiruchengode on May 2009.

PATENT

1. Application No.202041002950-A Date of filing of Application: 23/01/2020

Publication Date : 31/01/2020

Title of the invention:

Genetic Algorithm Based Localization Technique for Indoor Wireless Sensor Networks.

2. **Title:** A Quick-witted robot for detecting cracks and missing key in railway tracks with Unmanned safeguard gates.

B.E (CSE) SUBJECTS HANDLED SO FOR

- ✓ Data Structures and Algorithm.
- ✓ Fundamentals of Computing
- ✓ Theory of Computation
- ✓ Formal Languages and Automata Theory
- ✓ Principles of Compiler Design

- ✓ Database Management System
- ✓ Advanced Database Technology
- ✓ Information Management

M.E (CSE) SUBJECTS HANDLED SO FOR

- ✓ Database Technology
- ✓ Data Structures and Algorithm
- ✓ Compiler Design

AREA OF INTEREST

- ✓ Data Structures
- ✓ Theory of Computation

MEMBERSHIP

- ✓ IEANG

PERSONAL DATA

Name : Prabaharan.P
Date of birth : 18-04-1986
Age : 38
Sex : Male
Marital Status : Married
Comm. Lang : English & Tamil.
Hobbies : Reading Books & Gardening.

DECLARATION:

I hereby declare that the above mentioned details are true to the best of my knowledge.

PLACE: Namakkal.

Yours faithfully,

DATE : 3.5.2025


(Dr.P.PRABAHARAN)