

SRI SAIRAM ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

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| Name: Mrs.V.Valarmathi | Photo  |
| Designation: | AP |
| Qualification: | M.Tech, (Ph.D.,) |
| Area of Specialization: | InformationTechnology |
| Experience: | Teaching: UG:15 PG:-1 |
| | Industry:Nil |
| No.of workshop/FDP attended : | 13 |
| Publication: | Journal International: 3 |
| | Conference National :1 International:6 |
| Research Guidance:- | Not Yet |
| Membership: | IEEE |

AREAS OF INTEREST:

- Machine Learning
- Artificial Intelligence
- Network Security

EDUCATION:

- Ph.Din Anna Univeristy– Confirmation Completed
- M.Tech.in Information Technology, Sathyabama University,2008-2010
- B.Tech.in Information Technology, Shri Andal Alagar College of Engineering,2001-2005

EXPERIENCE:

| S.No | NameoftheInstitution | Designation | From | To |
|------|--|---------------------|-----------|-----------|
| 1 | Sri Sairam Engineering College | Associate Professor | Sep 2024 | Till date |
| 2 | Sri Sairam Engineering College | Assistant Professor | 6.9.2021 | Aug 2024 |
| 3 | SKR Engineering College | Assistant Professor | 21.6.2010 | 26.8.2021 |
| 4 | Shri Andal Alagar College of Engineering | Lecturer | 10.7.2006 | 16.6.2010 |

PATENT PUBLISHED:

- Published a patent on “A novel algorithm of active learning based on machine learning vector algorithm” on 17.1.2020
- Patent grant on “ Wireless Vaccum Cleaner” on 30.10.2023
- Grant a patent on “System with Innovative Image Processing Techniques for Crack Detection and Analysis” on 4.10.2024
- Published a patent on ,” A System For Smart Water Bottle Using Iot For Tracking And Monitoring An Individual’s Health” 4.10.2024

ACHIEVEMENTS:

- Produced 100% Result in Design & Management Of Computer Networks in the Year 2013 – 2014 in SKR ENGINEERING COLLEGE
- Produced 90.90% Result in Computer Networks in the Year 2007–2008 in SHRI ANDAL ALAGAR COLLEGE OF ENGG.
- Produced 92.4% Result in Operating System in the Year 2007 – 2008 in SHRI ANDAL ALAGAR COLLEGE OF ENGG.

CONFERENCE PRESENTATIONS AND PUBLICATIONS

1. V.Valarmathi, “Segmentation Of Vessel Bends In Optic Disc And Optic Cup For Glaucoma Screening”, International Conference On Emerging Trends In Electronics Communication And Computing Technology(Icontech-2016)”
2. V.Valarmathi,“PreventingHumanShoulderSurfingandtoProvideResistantagainstPinEntry”, International Journal of Emerging Technology in Computer Science & Electronics, ISSN 0976-1353 Volume 13 Issue 01 March 2015.
3. S.Uma,V.Valarmathi,“Proficient Secret Transmission of Images And Message”, International Journal Of Engineering And Computer Science”, ISSN 2319-7242 Volume 3 Issue 9 September

2014 Page No. 8326-8331.

4. V.Valarmathi, "Multimedia Amassed Intellectual Teaching", International Conference In Trends And Innovation In Language Teaching-TILT'14 ISBN 978-1-4799-7238-8/14/\$31.00©2014 IEEE
5. M.Janani, V.Valarmathi, "A Framework For Personal Mobile Commerce Pattern Mining & Behavior Prediction Using Location Based Algorithm", Recent Advancements in Signal Processing and Communication (NCRASPC-2013), RMK College of Engineering And Technology.
6. R.Poorani, V.Valarmathi, "Graphical Role Mining Using Hybrid Role Engineering Approach", International Conference on Recent Trends in Computer Science and Engineering", <http://docsdrive.com/pdfs/medwelljournals/ajit/2014/416-421.pdf>
7. V.Valarmathi, "A Framework Using Location Based Algorithm For Personal Mobile Common Pattern Mining & Behavior Prediction", ICMEET-2K13 at Magna College of Engineering.
8. R.S.Deeba V.Valarmathi, "Nephele: Dynamic Allocation and Parallel Execution in Cloud", National Conference on Advances in Computing and Networking on February 11, 2012 at SA Engineering College.
9. S.Suresh, R.Valarmathi, "Building an Offline Bar Code Scanners For Android", DRDO sponsored ICONIC 2012, Anand Institute of Higher Technology", www.iconic2012.in.
10. V.Valarmathi, "Design and Implementation of Contactless Doorbell Using IOT", 2022 1st International Conference on Computer, Power and Communications, ICCPC2022- Proceedings, 2022, pp. 187-191
11. V.Valarmathi, "Animal Welfare and Health Abided System with Integrated Website", 2022 International Conference on Data Science, Agents and Artificial Intelligence, ICDSAAI2022, 2022
12. V.Valarmathi, "Assessment of Student Attentiveness in Classroom Environment Using Deep Learning", 2023 International Conference on Circuit, Power and Computing Technologies (ICCPCT), 2023
13. V.Valarmathi, "CHECK BUS - Bus Monitoring System for MTC Buses", 2023, "Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)", 2023

JOURNAL PAPERS

1. V.Valarmathi, "Big data clustering and classification with improved fuzzy based deep architecture under Map Reduce framework", Intelligent Decision Technologies, 2023
2. V.Valarmathi, "Enhancing IoT security in MANETs: A novel adaptive defense reinforcement approach", Peer to Peer Networking and Applications, 2024
3. V.Valarmathi, "Enhancing public safety: a hybrid Conv_Trans-OptBiSVM approach for real-time abnormal behavior detection in crowded environments", Signal, Image and Video Processing, 2024

FDP'S and Workshops:

1. Attended ATAL FDP on IOT and Transition to Internet of Brains (IOB) from 20/9/2021 to 24/9/2021 at Don Bosco Institute of Technology.
2. FDP on "RECENT ADVANCEMENT IN TECHNICAL DOMAINS" at SRMIST, Ramapuram From 24th August to 07th September 2020.
3. FDP on "CYBER SECURITY" at SRMIST, Ramapuram from 22nd Jun to 26th June 2020.

4. Online FDP on “Recent Trends in Information, Computing, Communication and Teaching Methodology Competency” from 4th – 7th May 2020 at Sri Sai Ram Engineering College.
5. Online FDP on “ARTIFICIAL INTELLIGENCE” at Christian College of Engineering & Technology from 22nd – 26th May 2020.
6. FDP organized by Spoken Tutorial Project, IIT Bombay from 20th April 2020 to 30th April 2020 remotely at Easwari Engineering College.
7. FDP for Student Induction organized by AICTE at Anna University, Chennai from 13th to 15th May 2019.
8. Attended seven days FDP on “Distributed Systems” on November 27th to December 1st & December 18th - 19th December 2015 at MIT Chennai.
9. FDP on “Mobile Application Development on Android” at SKR Engineering College, from January 4, 2016 to January 10, 2016.
10. Attended One Day Workshop on “Big Data” in VIT, Chennai on 5th May 2014.
11. Attended Faculty Development programme on “Computer Architecture” on 16.08.2014 to 18.08.2014 at Dhanalakshmi College of Engineering, Chennai.
12. Attended Two days Workshop on “Big Data Analytics” on 18.12.2014 to 19.01.2014 at SKR Engineering College, Chennai.
13. Participated in One day Seminar on “Number Theory & Cryptography” in Rajalakshmi Engineering College on 5th & 6th August 2010.
- 14.

PUBLICATIONS

BOOKS:

1. Prof. Niranchana Shri Viswanathan, Mrs.V.Surya, Mrs.V.Valarmathi, Mrs.R.Kohila, “Deep Learning”, San International Scientific Publications, ISBN: 978-81-96647-8-2, 2023.
2. Dr.T.Kujani, Mrs.T.Sathya, Mrs.V.Valarmathi, Mrs.V.Surya, “ Data Structures and Design” Sri Krishna Hitech Publishing Company Pvt. Ltd. ,ISBN: 978-81-19432-46-2

NPTEL COURSES:

1. Cloud Computing
2. Big Data Computing
3. Introduction to Internet of Things
4. Design and Implementation of Human-Computer Interfaces

NITTR AICTE : Completed Module 1 to Module 6 and Module 8 completed