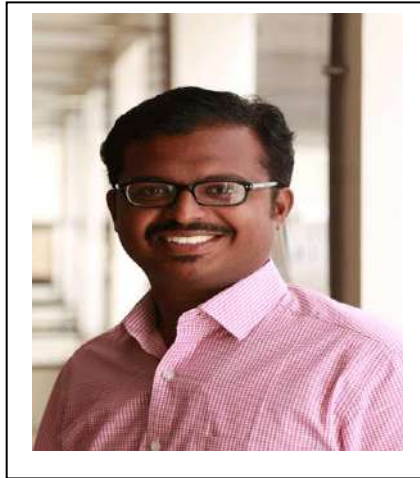


## **Dr.P.THIYAGARAJAN DETAILED RESUME**



**Name:** Dr.P.Thiyagarajan

**Designation:** Assistant Professor, Department of Computer Science, Central University of Tamil Nadu, Thiruvarur - 610 005

**Contact number:** 0 9488584015 / 0 9841234510

**Email-id:** [thiyagucutn@gmail.com](mailto:thiyagucutn@gmail.com)

**Total Citations:**

**Google Scholar - Citations: 441 H-index: 10**

**Scopus - Citations : 209 H-index: 6**

**Total Fund Obtained: 3.82 crores**

**Academic Identity:**

- Vidwan ID: <https://vidwan.inflibnet.ac.in/profile/48495>
- ORCID: <https://orcid.org/0000-0001-6003-178X>
- Web of Science: ABE-5011-2021
- SCOPUS: <https://www.scopus.com/authid/detail.uri?authorId=55398414400>
- Google Scholar ID: <https://scholar.google.co.in/citations?user=ZtCdtv4AAAAJ&hl=en>

**Research areas:**

Machine Learning, IoT, Steganography, Cryptography, Big Data Analytics, Security aspects in smart cities

**Delivered 135+ invited talks and UGC nominated resource person in the field of Information Communication Technology for the Malaviya Mission Teacher Training Programmes**

**Research Guidance:**

Ph.D. Completed : 2

Ph.D. Ongoing: 3

M.Phil. Completed : 1

**Educational details:**

S.No.	Examination Passed	Name of the University/Board	Year of Passing	Subject/ Specialization
1.	Integrated Masters (MS)	College of Engineering, Guindy, Anna University (Main Campus), Chennai – 25	2007	Computer Science
2.	Ph.D.	Pondicherry Central University	2014	Computer Science and Engineering
3.	Post-Doctorate	Department of Atomic Energy	2015	Computer Science and Engineering

**Employment details:**

S.No.	Name of the Employer	Designation	Period of Employment	
			From	To
1.	Central University of Tamil Nadu, Thiruvarur	Assistant Professor	February 2024	Till Date
2.	Rajiv Gandhi National Institute of Youth Development (An Institute of National Importance), Ministry of Youth Affairs and Sports, Sriperumbudur	Associate Professor (by availing on-lie from CUTN)	June 2022	February 2024
3.	Central University of Tamil Nadu, Thiruvarur	Assistant Professor	June 2016	June 2022
4.	Mahindra Ecole Centrale, Hyderabad	Assistant Professor	December 2014	June 2016
5.	Department of Atomic Energy, IGCAR, Kalpakkam	Post-Doctorate Fellow	September 2013	December 2014
6.	Smart and Secure Environment Research Lab, Pondicherry Central University, Puducherry	Research Associate	July 2009	July 2012
7.	Aricent Technologies, Chennai	Software Engineer	February 2008	May 2009
8.	Ezone Techno Solutions	Programmer & Trainer	May 2007	February 2008

### Awards and recognitions:

- Awarded **Faculty Research Fellowship** by **Indian Academy of Science (Unit under Department of Science and Technology, Government of India)** to work in IIT Indore in the year 2025
- Awarded **Young Scientist Fellow** by Tamil Nadu State Council for Science and Technology, Government of Tamil Nadu in the year 2020
- Awarded **Post-Doctoral Fellowship** by Department of Atomic Energy (**DAE**), Indira Gandhi Centre for Atomic Research (**IGCAR**), Kalpakkam
- **National Science Centre POLAND**, reviewer for research proposal in the area of Information Security and Machine Learning.
- **Best Technical Award** in Aricent Technologies (An MNC)
- **Appreciation letter** from Smart and Secure Environment Project Investigators, Pondicherry Central University for the work done in the project by me as Research Associate
- Secured **First Class with Distinction** in Integrated Masters (**MS in Computer Science**) from prestigious College of Engineering, Guindy, Anna University (Main Campus), Chennai.
- Presented the paper titled “Qualitative analysis of Dynamic Pattern Based Image Steganography Algorithm in providing E-Banking Security” **IDRBT First Doctoral Colloquium (An Research Institute established by Reserve Bank of India)**
- Reviewers for prestigious Journals such as **IEEE Signal Processing Letters, Computer and Electrical Engineering – Elsevier, 3D Research – Springer**, etc

### Research Projects:

S.No	Funding Agency	Project Title	Amount in lakhs	Status
1.	PMMMNMTH MHRD	Construction and implementation of e-learning in data analytics using python	1.1 Lakhs	Completed
2.	IUCTE	A Study of ICT Integration in Teaching and Learning in Higher Education in India	6.6 Lakhs	Completed
3.	ICSSR	Development and Implementation of e-learning in Discrete Mathematics	2 Lakhs	Completed
4.	MeitY, GoI	Visvesvaraya PhD Scheme (As Nodal Officer in RGNIYD)	1 Crore	Ongoing
5.	Ministry of Education, GoI	Capacity building of faculty and institutions towards design and entrepreneurship development	43.2 Lakhs	Ongoing

6.	Anusandhan National Research Foundation (ANRF)	Smart and Sustainable Manufacturing towards Clean Energy and Circular Economy - PAIR Project	2 Crores and 30 Lakhs	Ongoing
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### **Consultancy Project:**

S.No	Company	Project Title	Amount in lakhs	Status
1.	Ajay Biotech India Pvt Ltd	Efficacy trials for mosquito vaporizer	0.50 lakhs	Ongoing

### **Funded workshop / FDP Conducted:**

S.No.	Title of the Workshop / FDP	Funding Agency	Amount
1.	Digitalization of resources using open source software : DSpace - FDP - 2017 (5 Days)	UGC	Rs.75,000/-
2.	Artificial Intelligence in Teaching and Learning - FDP - 2021 (5 Days)	AICTE	Rs.93,000/-
3.	Research Methodology course - 2022 (10 days)	ICSSR	Rs.97,000/-
4.	National Conference on Youth Advanced Computational Convergence (YACC-2023)	ICSSR	Rs.3,70,000/-
5.	Design Exploration Workshops	MoE	Rs.90,000/-

### **MOOC Course Developed:**

Designed and Developed MOOC Course on the topic *Internet of Things (IoT) – Current Developments* for Bharathidasan University Entrepreneurship, Innovation and Career Hub (BECH-RUSA 2.0), Bharathidasan University in May 2020.

### **Patent:**

Dr.P.Thiyagarajan et.al., Coronavirus protected room: Disinfecting room air using IoT and Machine Learning Programming (Published Date : June 2020)

### **Books Published:**

**P.Thiyagarajan et.al** edited a book on “The Changing Trends of Vector-Borne Diseases to Climate Change”, Bentham Books, 2025, Total pages : 210, ISBN: 979-8-89881-277-5

**P.Thiyagarajan et.al** authored a book on “Design Thinking : A Hands-on Approach”, Universities Press, 2025, Total pages : 432, ISBN:978-8197424922

**P.Thiyagarajan et.al** authored a book on “An E-Learning Approach to Teach Discrete Mathematics”, Studium Press, 2019, Total pages: 218, ISBN : 9789385046476

**P.Thiyagarajan** authored a book on “Strengthening security in Spatial Domain Image Steganography” published by Lambert Academic Publishing, 2018, ISBN : 978-613-5-82863-4

**P.Thiyagarajan** authored a self-instructional material (book) on “Mobile Application Development” published by Directorate of Distance Education, Alagappa University, Karaikudi in 2021.

**P.Thiyagarajan et.al** edited a book titled “ Proceedings of the ICSSR Sponsored National Conference on Youth Advanced Computational Convergence (YACC) 2023” by CBA Publishers, India ISBN 978-93-80430-83-6

### **Publications: (Journals / Conferences / Workshops)**

#### **2025:**

**Thiyagarajan P**, et.al, Comparative Study on the Performance of Auto Encoders in Detecting Deep Fake Image, *International Conference on Data Science and Business Systems (ICDSBS)*, pp. 1-9. IEEE, 2025.

**Thiyagarajan P**, et.al, Detecting Deception: A Comparative Study Of CNN Approaches For Deepfake Image Detection, 2nd International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE) IEEE, 2025.

**Thiyagarajan P**, et.al, Blockchain-based AI Digital Library Management System: Revolutionizing Library Systems into Smart Knowledge Centres, Proceedings of the National Conference on Redefining Librarianship in the AI Technological Era (ReLAITE 2025), Oxford Publishers and Distributors, Title of the Book : The AI Revolution and Libraries, ISBN: 978-93-6941-062-0

**Thiyagarajan P**, et.al, Leveraging Artificial Intelligence in Academic Libraries for Differently Abled Learners, Proceedings of the National Conference on Redefining Librarianship in the AI Technological Era (ReLAITE 2025), Oxford Publishers and Distributors, Title of the Book : The AI Revolution and Libraries, ISBN: 978-93-6941-062-0

**Thiyagarajan P**, et.al, AI-based Deepfake Detection for ensuring Integrity in Medical Imaging System, Proceedings of Conference on MedNextT 2025: Shaping The future of Healthcare with AI, Imaging, Devices and Diagnostics, ISBN:978-93-7196-316-9

**Thiyagarajan P**, et.al, A Review on Deepfake Images in the Medical Field: Creation and Detection, Proceedings of International Conference on Innovations and Technological Development in Electronics, Computers and Communication (ITDECC - 2025), ISBN: 978-93-7196-538-5

## 2024:

**Thiyagarajan P** et.al, Challenges and Opportunities of Deep fake across domains in Proceedings of the National Seminar on Reimagining Libraries : Innovations in Technology and Trends, Ess Ess Publications, Title of the book : Artificial Intelligence in Library Management, ISBN: 978-93-92594-95-3, 2024

Goru, Kalivarapasanna Babu, **Paramasivan Thiyagarajan** and Rajiakodi, Saranya. A blockchain based scheme for distributed storage of nuclear power plant images" *Kerntechnik*, vol. 89, no. 1, ISSN: 2195-8580, pp. 67-76 (2024). <https://doi.org/10.1515/kern-2023-0088>

Gokul Kottilapurath Surendran, **Thiyagarajan P**, Natural Inspired Learning Path Recommendation System for Students in E-learning Platforms, *Journal of Engineering Education Transformations* , Volume 37, No. 3 , ISSN 2349-2473, eISSN 2394-1707 pp.185-195 (2024) DOI: [10.16920/jeet/2024/v37i3/24014](https://doi.org/10.16920/jeet/2024/v37i3/24014)

Muhammed Niyas, K.P., **Thiyagarajan, P**, Improving Dementia Prediction Using Ensemble Majority Voting Classifier. *Annals of Data. Science*, Volume 11, ISSN:2198-5804, pp.1-15 (2024). <https://doi.org/10.1007/s40745-024-00550-3>

Muhammed Niyas, K.P., **Thiyagarajan, P**. Improving Alzheimer's classification using a modified Borda count voting method on dynamic ensemble classifiers. *Knowledge and Information Systems*, Volume 66, ISSN: 0219-3116, pp.4755–4787 (2024). <https://doi.org/10.1007/s10115-024-02106-6>

## 2023:

Muhammed Niyas K. P., **Thiyagarajan P**, A Systematic Review on Early Prediction of Mild Cognitive Impairment to Alzheimers Using Machine Learning Algorithms, *International Journal of Intelligent Networks*, Volume 4, ISSN: 2666-6030, pp.74-88 (2023). (DOI: <https://doi.org/10.1016/j.ijin.2023.03.004>)

Kalivarapasanna Babu G., **Thiyagarajan P.**, Broadening of horizons: A review of blockchains' influence on EHRs development trend, *International Journal of Electronic Healthcare*, Volume 13, ISSN: 1741-8461, pp.134-157 (2023) (<https://doi.org/10.1504/IJEH.2023.130514>)

P. K. Laboso, A. Martin and **P. Thiyagarajan**, "Blockchain Technologies in Data Science: Challenges and Benefits," *2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)*, Erode, India, 2023, pp. 1323-1328, doi: [10.1109/ICSCDS56580.2023.10104674](https://doi.org/10.1109/ICSCDS56580.2023.10104674)

Dhruti Ranjan Mohanty, **Thiyagarajan P**, Implementation and Testing of Deep Link in an Android Application, *Journal of Computing and Intelligent Systems*, Volume 7, ISSN: 2456-9496 , pp. 329-336 (2023)

Kalivarapasanna Babu G., **Thiyagarajan P.**, Saranya R., Proactive public healthcare solution based on blockchain for Covid-19, *International Conference on Advanced Communications and Machine Intelligence-MICA 2022* (Presented December 2022) [https://doi.org/10.1007/978-981-99-2768-5\\_12](https://doi.org/10.1007/978-981-99-2768-5_12))

**Thiyagarajan P** et.al, DDOS Attack Simulation and Machine Learning Model for Intrusion Detection in Proceedings of the National Conference on Youth Advanced Computational Convergence (YACC - 2023), ISBN: 978-93-80430-83-6

**2022:**

Patrick Kipkorir Laboso and **Thiyagarajan P.**, Digital Library Management System Using Smart Contract Based on Block-Chain Technology, Digital Librarianship and social media Edited Book, ISBN : 978-93-91854-04-1

Muhammed Niyas K P, P.Thiyagarajan, Feature Selection Using Efficient Fusion of Fisher Score and Greedy Searching for Alzheimer's Classification, Journal of King Saud University - Computer and Information Sciences, Volume **34**, pp.4993-5006, 2022, ISSN: 1319-1578 (<https://doi.org/10.1016/j.jksuci.2020.12.009>)

**2021:**

Muhammed Niyas K. P., **Thiyagarajan P.**, Alzheimer's classification using dynamic ensemble of classifiers selection algorithms: A performance analysis, Biomedical Signal Processing and Control, Volume **68**, pp.1-18, 2021, 102729, ISSN 1746-8094 (<https://doi.org/10.1016/j.bspc.2021.102729>)

Muhammed Niyas K. P., **Thiyagarajan P.**, *Fusion of feature ranking and efficient searching for Alzheimer's Classification*, Conference on Intelligent Computing and Communications Network, CICNN, 2021, 26-27 February 2021, BIT Campus, Tiruchirappalli, Tamil Nadu.

Kalivarapasanna Babu, **Thiyagarajan P.**, *The Current state of Prescriptions and potential enhancements using Blockchain* on 12th International Conference on Computing, Communication and Networking Technologies (ICCCNT), 06<sup>th</sup> – 08<sup>th</sup> July, 2021, IIT Kharagpur (<https://doi.org/10.1109/ICCCNT51525.2021.9579744>)

**2020:**

Gokul K S, **Thiyagarajan P** presented a paper titled "*Natural inspired recommendation system based on student performance*" in International E-Conference on Innovations in Information Technology on 20.08.2020, Bharathiar University, Coimbatore

**P.Thiyagarajan**, A Review on Cyber Security Mechanisms using Machine and Deep Learning Algorithms, IGI Global, Advances in Information Security, Privacy, and Ethics, pp.23-41, January 2020 (DOI: 10.4018/978-1-5225-9611-0.ch002)

**P.Thiyagarajan** et.al. A Survey of ICT Integration in Teaching and Learning in South Indian Central Universities, National Conference on Innovation in Teaching and Learning Trends in 21st Century, The ICFAI University, Tripura, February 18-20, 2020

**P.Thiyagarajan** et.al., A Study of Effectiveness of ICT in Teaching and Learning process in South Indian Universities, International Conference on 21st Century Education : Techno-Pedagogical Trends and Innovations, Bharathidasan University, 27 - 28 February 2020

## 2019:

Nithinila K, **P.Thiyagarajan**, “A Study and implementation on Mathematical Morphology Method : Brain MRI Skull Stripping”, National Conference on Recent Trends In Computer Science And Technology conducted by Swami Dayananda College-Manjakudi on 28th and 29th March, 2019

Arjunan S, **P.Thiyagarajan**, “Comparison of various algorithms on edge detection”, National Conference on Recent Trends In Computer Science And Technology conducted by Swami Dayananda College-Manjakudi on 28th and 29th March, 2019

Sreya S, **P.Thiyagarajan**, “A Study on Brain Grey and White matter segmentation algorithm”, National Conference on Recent Trends In Computer Science And Technology conducted by Swami Dayananda College-Manjakudi on 28th and 29th March, 2019

Sajeena S, **P.Thiyagarajan**, “Image Registration Algorithms : A Detailed Study”, National Conference on Recent Trends In Computer Science And Technology conducted by Swami Dayananda College-Manjakudi on 28th and 29th March, 2019

Muhammed Niyas K.P, **Thiyagarajan P**, “Comparison of Machine Learning Models for Detection of Dementia”, International Conference on Intelligent Computing and Signal Processing, Central University of Kerala, ISBN 978-81-8487-691-8, March 2019

## 2018:

**P.Thiyagarajan**, “Recent Big Cyber Threats Break down : An Overview”, 2018 in Alagappa University, Karaikudi on 20th March, 2018

## 2017

R.B.Krishnan, P.K.Thandra,S.A.V.Satya Murthy, **P.Thiyagarajan**, Font Attributes based Text Steganographic algorithm (FATS) for communicating images : A nuclear power plant perspective, KERNTECHNIK Journal of Nuclear Engineering, Vol.82,ISSN: 2195-8580, pp.98-111, 2017 (<https://doi.org/10.3139/124.110651>)

**P.Thiyagarajan**, “Mobile App can prevent Dengue !” in India International Science Festival 2017 held in Chennai during 13th to 16th October 2017 (Poster Presentation)

## 2016

G. Shanmugasundaram, **P.Thiyagarajan**, S.Tharani, “A multilevel clustering using multi-hop and multi-head in VANET”, International Conference on Data Engineering and Communication Technology – ICDECT 2016, March 10<sup>th</sup> - 11<sup>th</sup> 2016 ([https://DOI:10.1007/978-981-10-1678-3\\_16](https://DOI:10.1007/978-981-10-1678-3_16))

G.Shanmugasundaram, **P.Thiyagarajan**, A.Janaki, “A Survey of Cloud Based Healthcare Monitoring System for Hospital Management”, International Conference on Data Engineering and Communication Technology – ICDECT 2016, March 10<sup>th</sup> - 11<sup>th</sup> 2016 (DOI: [10.1007/978-981-10-1675-2\\_54](https://DOI:10.1007/978-981-10-1675-2_54))

## 2015

**Thiyagarajan P**, Prasanth Kumar Thandra, J.Rajan, S.A.V.Satyamurthy and Aghila G, “Shamir Secret Sharing Scheme with Dynamic Access Structure (SSSDAS): case study on nuclear power plant”, KERNTTECHNIK, Journal of Nuclear Engineering, Vol.80, ISSN: 2195-8580 , pp.150-160, April 2015 (SCI Journal, Impact Factor : 0.257) (<https://doi.org/10.3139/124.110489>)

G.Shanmugasundaram, **P.Thiyagarajan**, S.Pavithra, “A Novel DNA Encryption System Using Cellular Automata”, International Journal of Security, Privacy and Trust Management (IJSPTM), Vol 4, No3/4, November 2015, pp.39-49, ISSN: 2319-4103 (<https://DOI:10.5121/ijspmt.2015.4404>)

## 2013

**Thiyagarajan P**, Aghila G, “Reversible Dynamic Secure Steganography for Medical Image using Graph Coloring”, Elsevier Health Policy and Technology, Vol.2, no.3, September 2013, pp.151-161, ISSN: 2211-8837 (SCI Journal, Impact Factor : 1.205) (<https://doi.org/10.1016/j.hlpt.2013.05.005>)

**Thiyagarajan P**, Natarajan V, Aghila G, Prasanna Venkatesan V, Anitha R, “Pattern based 3D Image Steganography”, Springer 3D Research Journal, Vol. 04, no.1, March 2013, pp.1-8, ISSN: 2092-6731 (SCIImago Journal Impact Factor : 0.89) ([https://doi.org/10.1007/3DRes.01\(2013\)1](https://doi.org/10.1007/3DRes.01(2013)1))

## 2012

**Thiyagarajan P**, Aghila G, Prasanna Venkatesan V, “Pixastic: Steganography based Anti-Phishing Browser Plug-in”, Journal of Internet Banking and Commerce, Vol. 17, no. 1, April 2012, pp.1-19, ISSN: 1204-5357 (SCIImago Journal, Impact Factor : 2.70) (<https://doi.org/10.48550/arXiv.1206.2445>)

Chandirasekaran D, Aghila G, **Thiyagarajan P**, A Trustable key exchange protocol for mobile oriented VoIP devices via ECDH and Synchronous key update mechanism, International Conference on Modelling, Optimisation and Computing, Procedia Engineering 38 (2012) (<https://doi.org/10.1016/j.proeng.2012.06.273>)

## 2011

**Thiyagarajan P**, Aghila G, Prasanna Venkatesan V, “Steganalysis using Color Model Conversion”, Signal and Image Processing: An International Journal (SIPIJ), Volume 2, No 4 December 2011, pp.201-211, ISSN 0976-710x (Signal & Image Processing : An International Journal (SIPIJ) Vol.2, No.4, December 2011 (DOI : 10.5121/sipij.2011.2417)

**Thiyagarajan P**, Aghila G, Prasanna Venkatesan V, “Dynamic Pattern Based Image Steganography”, Journal of Computing , Volume 3, Issue 2 February 2011, pp.1-9, ISSN 2151- 9617 (<https://doi.org/10.48550/arXiv.1206.2583>)

**Thiyagarajan P**, Aghila G, Prasanna Venkatesan V, “Qualitative Analysis of Dynamic Pattern based Image Steganography in providing E-Banking Security”, First

IDRBTD Doctoral Colloquium by IDRBT (A Reserve Bank Institute), September 2011

**Thiyagarajan P**, Aghila G, Prasanna Venkatesan V, "Stego-Image Generator (SIG) - Building Steganography Image Database", International Conference on Digital Image Processing and Pattern Recognition, DPPR 2011, Proceedings published in Springer (LNCS) in Communications in Computer and Information Science (CCIS) Series, September 2011, ISSN: 1865:0929 (DOI: [10.1007/978-3-642-24055-3\\_27](https://doi.org/10.1007/978-3-642-24055-3_27))

**Thiyagarajan P**, Aghila G, Prasanna Venkatesan V, "Stepping up Internet Banking Security using Dynamic Pattern Based Image Steganography", International Conference on Advances in Computing and Communications, ACC 2011, Proceedings published in Springer (LNCS) in Communications in Computer and Information Science Series (CCIS), June 2011, ISSN: 1865:0929 (DOI: [10.1007/978-3-642-22726-4\\_12](https://doi.org/10.1007/978-3-642-22726-4_12))

**Thiyagarajan P**, Aghila G, Prasanna Venkatesan V, "Steganalysis Using Color Model – A Method for Digital Forensics Examiners to Identify Stego-images", pp.157-161, January 2011, International Conference of the South Asian Society of Criminology and Victimology, ISBN: 978-81-906687-4-3 (<https://arxiv.org/abs/1206.2914>)

**Thiyagarajan P**, Presented a paper on "Steganography using Elliptical Curve Cryptography", 17<sup>th</sup> Smart and Secure Environment Workshop, Thiagarajar College of Engineering (TCE), Madurai, March 2011

**Thiyagarajan P**, Demonstrated a work on "Image Steganalysis with combination of Binary Similarity Measures and Chi-Square Statistics", 18<sup>th</sup> Smart and Secure Environment Workshop, National Institute of Technology (NIT), Trichy, June 2011

**Thiyagarajan P**, Presented a paper on "Pattern based 3D Steganography", 18<sup>th</sup> Smart and Secure Environment Workshop, National Institute of Technology (NIT), Trichy, June 2011

**Thiyagarajan P**, Demonstrated a work on "Pattern based 3D Steganography, 19<sup>th</sup> Smart and Secure Environment Workshop, PSG College of Technology, Coimbatore, September 2011

**Thiyagarajan P**, Demonstrated a work on "Dynamic Pattern Based Image Steganography", 19<sup>th</sup> Smart and Secure Environment Workshop, PSG College of Technology, Coimbatore, September 2011

**Thiyagarajan P**, Demonstrated a work on "Anti-Phishing Plug-in using Steganography", 20<sup>th</sup> Smart and Secure Environment Workshop, Anna University, Chennai December 2011

## 2010

**Thiyagarajan P**, Swarnambigai G, Aghila G, Prasanna Venkatesan V, "StegoRivalry: Steganography Vs Steganalysis", pp.104-110, 23-24 April 2010, National Conference on Imaging, Computing, Object and Mining (ICOM'10), ISBN: 978-93-80408-29-3

**Thiyagarajan P**, Prasanna Venkatesan V, Aghila G, "Anti-Phishing Techniques using Automated Challenge Response Method", pp.585 – 590, December 2010 (IEEE Explore) International conference on Communication and Computational Intelligence ISBN: 978-81-8371-369-6 (<https://ieeexplore.ieee.org/document/5738794>)

**Thiyagarajan P**, Demonstration a work on “Comparison of dynamic pattern based Steganography with existing techniques”, 13<sup>th</sup> Smart and Secure Environment Workshop, Anna University, Chennai, March 2010

**Thiyagarajan P**, Presentation a paper on “Stepping-up Internet Banking Security using Steganography”, 13<sup>th</sup> Smart and Secure Environment Workshop, Anna University, Chennai, March 2010

**Thiyagarajan P**, Presentation a paper on “Steganalysis using HSI Color Model”, 13<sup>th</sup> Smart and Secure Environment Workshop, Anna University, Chennai, March 2010

**Thiyagarajan P**, Presentation and Demonstrated a paper on “Building Image Database-Steganalysis using HSI Color Model”, 14<sup>th</sup> Smart and Secure Environment Workshop, Pondicherry University, Puducherry, June 2010

**Thiyagarajan P**, Presented a paper on “Anti-Phishing technique using browser plug-in”, 15<sup>th</sup> Smart and Secure Environment Workshop, Madurai Kamaraj University, Madurai, September 2010

**Thiyagarajan P**, Presented a paper on “Color Model Based Steganalysis using Chi-square”, 16<sup>th</sup> Smart and Secure Environment Workshop, Alagappa University, Karaikudi, December 2010

## **2009**

**Thiyagarajan P**, Presentation a paper on “Heuristic based Image Steganography algorithm using pixel indicator and RGB Intensity”, 11<sup>th</sup> Smart and Secure Environment Workshop, PSG College of Technology Coimbatore, September 2009

**Thiyagarajan P**, Presented and Demonstrated a paper on “Dynamic Pattern Based Image Steganography”, 12<sup>th</sup> Smart and Secure Environment Workshop, NTRO, New Delhi, December 2009

## **Ph.D. Thesis Evaluated / Examiner:**

Examiner to conduct Ph.D. Public viva-voce Examination for the Candidate **Ms.Backiyalakshmi B** Ph.D. thesis titled "An innovative framework for searching health record coupled with privacy preserving techniques in medical domain" **Bharathidasan University** on August, 2024

Evaluated Ph.D. thesis titled Scalable Data Exchange and Redirection of Clients in Large - Scale Distributed IoT Network through MQTT Protocol submitted by the scholar, **Mr. Tirupathi V** (Ref No. CN102300049/Ph.D/Exams/2023) for the award of Ph.D. Degree in the subject Computer Science and Engineering in **Osmania University, Hyderabad** in February 2024

Evaluated Ph.D. thesis titled Investigation of CNN for Detection of Exudates in Digital Fundus Images for Diabetic Retinopathy submitted by the scholar **Ms.Kuraku Nirmala** for the award of Ph.D. degree in the subject in Computer Science and Engineering from **Pondicherry University** in July, 2023

Examiner to conduct Ph.D. Public viva-voce Examination for the Candidate **Ms.G.Vijayasree** Ph.D. thesis titled "Intelligent Customer Relationship management system using data mining techniques" **Bharathidasan University** on June, 2023

Foreign Examiner Nominee for the Ph.D. thesis titled "A Novel Supervised Methodology for Aspect Based Sentiment Analysis Using A Multivariate Filter Based Two Phase Weighted Correlation Feature Selection Algorithm" submitted by **Ms.Bhamare Bhavana Raghunath** (Reg.No: 2015191102) submitted to **Sathyabama University** on July, 2022

### **List of Invited Talks / Paper Presented in Conferences, Workshops:**

135 Invited talk in the Five-Day Skill Development Programme titled Empowering ST Youth with Mobile Data Skills and Data-Driven Infectious Disease Risk Modelling for Improved Community Health sponsored by IIT Hyderabad conducted by Department of Electronics and Communication Engineering, **Rajalakshmi Institute of Technology, Chennai**, Hands-on Session on Simple Predictive Models for Health Risk, 23.01.2026

134 Invited talk in One-day Seminar organised by the Department of Computer Science, **A.V.V.M. Sri Pushpam College, Poondi**, Design Thinking, 22.01.2026

133 Invited talk in ANRF sponsored two-days seminar on Quantum Machine Learning for Cyber Security conducted by **Dr NGP Arts and Science College Coimbatore**, Quantum Cryptographic Techniques, 18.12.2025

132 Invited talk in 5-Day Faculty Development Programme on Dimensions of Academic Excellence for Developing Next-Generation Teachers in Higher Education conducted by **Dhanalakshmi Srinivasan College of Arts and Science for Women**, E-content development with AI and human creativity, 27.11.2025

131 Invited talk in the UGC sponsored Short term programme on Use of A.I. in Higher Education: Issues, Challenges and Prospects conducted by UGC- Malaviya Mission Teacher Training Centre, **Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur (U.P.)**, Artificial Intelligence and Generative AI, 21.11.2025

130 Invited talk in RUSA Sponsored three day skill training workshop on mobile and network security conducted by Department of Computational Logistics, **Alagappa University, Karaikudi**, Cryptography and Network Security, 27 to 29 October 2025

129 Invited talk in **Department of English, CUTN**, Graphic Narrative - Pixton Tool, 17.10.2025

128 Presented paper in Conference on MedNexT 2025: Shaping The future of Healthcare with AI, Imaging, Devices and Diagnostics conducted by **SVCE College of Engineering, Chennai**, AI based Deep fake Detection for Ensuring Integrity in Medical Imaging System, 10.10.2025

127 Invited talk in IQUBE 2025 conducted by **SASTRA University, Kumbakonam**, AI tools for Cyber Security, 11.10.2025

126 Invited talk in Online Series on Artificial Intelligence for Educators conducted by **NCERT-MoE, Government of India (GoI)**, Foundations of AI and Generative AI, 06.10.2025

125 Invited talk in the Sewa Parv 2025 - Create awareness about the opportunities of higher education for facilitating a smooth transition from school to higher education in **Government Higher Secondary School, Anaikuppam**, 26.09.2025

124 Paper Presented in International conference on Innovations and Technological Development in

Electronics, Computers and Communications (ITDECC - 2025) conducted by Department of Electronics and Communication Engineering, **SRM Institute of Science and Technology**, A Survey on Deepfake Image in the Medical Field Creation and Detection, 03.09.2025

123 Invited talk in the ATAL six-day Faculty Development Program (FDP) on Exploring the Frontiers of High Performance Computing: Techniques, Trends and Applications conducted by **Navarasam Arts and Science College for Women, Namakkal**, Exploring Machine Learning Algorithms - Programmatic Approach, 12.09.2025

122 Inaugural address in the ATAL six-day Faculty Development Program (FDP) on Exploring the Frontiers of High Performance Computing: Techniques, Trends and Applications conducted by **Navarasam Arts and Science College for Women, Namakkal**, HPC Roles in today's world, 08.09.2025

121 Invited talk in Faculty Development Program on Academic Writing in the Era of AI : Challenges, Tools and Best Practices conducted by Amity Institute of Information Technology, **Amity University Patna**, Journal Selection, Abstract Writing & Responding to Reviewers, 01.08.2025

120 Invited talk in UGC Sponsored Short Term Course on Computational Social Science conducted by **UGC-MMTTC Pondicherry University**, Natural Language Processing, 09.07.2025

119 Invited Talk in UGC Sponsored Refresher Course - ICT and Digital Initiatives conducted by UGC MMTTC **Sant Gadge Baba Amravati University, Amravati, Maharashtra**, Artificial Intelligence in Teaching and Learning, 23.05.2025

118 Conducted one day workshop on the topic "Design Thinking", **Chettinad College of Engineering and Technology, Karur**, 21.05.2025

117 Invited talk in the 5-Day International FDP on Innovation Driven Tech Frontiers Empowering Computer Science through IPR, Startups & Emerging Technologies, Department of Computer Science, **Bon Secours College for Women, Thanjavur**, From Ideas to Impact : Leveraging Low Coding / No Code Tools for rapid prototyping, 22.04.2025

116 Invited Talk in the **Department of Epidemiology and Public Health, CUTN**, Intelligence Agents in AI, 09.04.2025

115 Invited Talk in the Department of Computer Science Engineering, **NIT Trichy**, Design Thinking : Value Chain Analysis and Assumption Testing, NIT Trichy, 25.03.2025

114 Panel list for A Two-Day National Conference on Redefining Librarianship in the AI Technological Era : Innovations, Challenges and Opportunities, **Department of Library and Information Science, CUTN**, Ethical Consideration of AI in scholarly writing, 21.03.2025

113 Invited Speaker for the Workshop on Pedagogy through Design Thinking **NIFTEM Thanjavur** Pedagogy to Promote Observation, Critical Thinking, Creative Thinking, and Design for Value Creation, 11.03.2025

112 Resource Person for Panel Discussion on Sustainability in Design Thinking **PMI India** Sustainability in Design Thinking, 26.01.2025

111 Resource Person for AICTE ATAL FDP on Cutting-Edge Insights into Artificial Intelligence and Its Application by **Easwari Engineering College**, Chennai, Responsible AI, 16.12.2024

110 Resource Person for **All India Radio Trichy**, Live program on Cyber Security Awareness, 20.12.2024

109 National Seminar conducted by **Department of Computer Science and Applications, Loyola College, Chennai**, Building Next Gen Softwares : Design Tools and Trends, 23.11.2024

108 Open Access Week 2024, **Department of Library and Information Science, Central University of Tamil Nadu**, Open Source Software and Community Development, 29.10.2024

107 One Day Workshop on Tools of Comics Making, **Department of English, Central University of Tamil Nadu**, Pixton: Hands-on Session for Comic Making, 26.10.2024

106 State Level Seminar on Augmenting Research Towards High Impact Outcomes, **IQAC and Research Cell, Kamaraj College, Thoothukudi**, Writing and Publishing high impact research manuscript, 27.09.2024

105 Special Invited Talk Series, organized by **Department of Education, Central University of Tamil Nadu**, Artificial Intelligence in Education, 20.09.2024

104 One week high-end KARYASHALA workshop sponsored by SERB on Deep Learning for Biomedical Signal Processing, organized by Department of ECE, **NIT Puducherry**, Detection of Alzheimer's disease using machine learning algorithms, 19.05.2024

103 National Workshop on Computational Intelligence using Machine Learning, CUTN organized by Department of Computer Science, **CUTN**, BlockChain Technology and its applications in music industry, 27.03.2024

102 Resource Person for National Conference on Computing the Earth Interdisciplinary Approaches in Computer Science and GIS (CEIA GIS 2024) organized by **Tamil University Thanjavur**, Data Analytics in Geographical Information Systems, 26.03.2024

101 Resource Person for National Seminar on Reimagining Libraries Innovations in Technology & Trends sponsored by ICSSR organized by Central Library, **CUTN**, Use of Block chain Technologies in Library Services, 19.03.2024

100 Resource Person for National Conference on Emerging Trends in Information Technology (NCETIT-2024) organized by **Apollo Arts and Science College**, Blockchain Technology, 15.03.2024

99 Resource Person for Two-Day Training Programme on Enhancing Mental Health of Rural Youth Sponsored by RGNIYD organized by Department of Applied Psychology, **CUTN**, Cyber awareness / precautions to deal with cyber threats, 02.03.2024

98 Resource Person for National Conference on Recent Research Advancements in Computational Sciences (NCRAC-2024) organized by **Maris Stella College**, Vijayawada, AP, BlockChain Technology, 27.02.2024

97 One Day National Level Seminar on Anticipating and Proactively Resolving Emerging Cyber Security Challenges sponsored by DRDO organized by **Sri Venkateswara College of Engineering**, Anticipating and Proactively Resolving Emerging Cyber Security Challenges, 09.01.2024

96 National Seminar on IoT Cyber Security: Challenges and Solutions for Social and Real-Life sponsored by ICSSR organized by **Dr.N.G.P. Arts and Science College**, IoT Cyber Security Tools

and Technologies, 05.01.2024

95 Invited lecture on The Root of Block chain Technology: Consensus Algorithms organized by **Sir Issac Newton College of Engineering and Technology**, The Root of Block chain Technology: Consensus Algorithms, 20.10.2023

94 One Week National Level Interdisciplinary Short Term Training Program on Exploring Quality Research and its Societal Impact organized by **Dr.D.Y.Patil Institute of Technology**, How to Write and Publish Research Article in Scopus and SCI Journals, 10.10.2023

93 Two-Day National Level Technical Seminar on Cyber Security for Nuclear Safety and Security sponsored by BRNS organized by **Rajalakshmi Institute of Technology**, Machine Learning and Security in Cyber-Physical Systems, 26.09.2023

92 Faculty Development Programme on Pedagogical Approaches in Enhancing Teaching and Learning organized by **Mount Carmel College**, Artificial Intelligence Tools in Teaching and Learning, 28.08.2023

91 Two-day National Conference on Technological Interventions in Educational Industry sponsored by ICSSR organized by **Mount Carmel College**, delivered Keynote Address in the conference, 26.07.2023

90 Five-day academic writing workshop organized by **Rajiv Gandhi National Institute of Youth Development (RGNIYD)**, Special address in the inaugural function, 24.07.2023

89 Invited talk on Importance of ethical regulation in data analytics: challenges & perspectives organized by **IIT Madras**, Importance of ethical regulation in data analytics: challenges & perspectives, 23.06.2023

88 International Conference International Conference on Recent trends in Data Science and its applications organized by **SRM Institute of Science and Technology**, Natural Language Processing : Twitter Sentiment Analysis on 31.03.2023

87 2nd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS 2023) organised by **Shree Venkateshwara Hi-Tech Engineering College**, Blockchain Technologies in Data Science : Challenges and Benefits, 23-25 March, 2023

86 Two days national seminar on The role of Cyber Security now and the future with AI in India: A Growing National Security Concern? sponsored by ICSSR organized by **Rajalakshmi Institute of Technology**, Cyber threats and the role of artificial intelligence in detecting it, 24.02.2023

85 National Youth Day organized by **Dharmamurthi Rao Bahadur Calavala Cunman Chetty's Hindu College**, Cyber Crimes and Cyber Laws, 13.01.2023

84 Invited technical lecture on Cyber Crimes and Cyber Laws organized by **National Institute of Science Education and Research (NISER)**, Bhubaneswar, Cyber Crimes and Cyber Laws on 05.01.2023

83 One Day National Level Workshop on Advanced Artificial Intelligence (AI) methods in Breast Cancer Diagnosis and Clinical Research sponsored by DHR - ICMR organized by **Dr.N.G.P. Arts and Science College**, Deploy the Machine Learning (ML) algorithm for Breast Imaging, 26.11.2022

82 UGC HRDC - **Bharathiar University**, Understanding decision trees, adaboost and random

forest, 25.11.2022

- 81 UGC HRDC - **University of Madras**, National Language Processing, 23.11.2022
- 80 International Conference on Scientific and Technological Advancements for Reliable and Sustainable future organized by **Bishop Heber College**, Twitter Sentiment Analysis, 17.11.2022
- 79 Invited Talk organized by **Presidency University**, National Language Processing, 11.10.2022
- 78 15-Day Induction Training for Newly Recruited District Youth Officers of Nehru Yuva Kendra Sangathen organized by **Rajiv Gandhi National Institute of Youth Development**, Cyber Crime and Cyber Laws, 30.08.2022
- 77 Invited lecture organized by **Annai College of Arts and Science**, Kumbakonam, Natural Language Processing, 23.08.2022
- 76 Six Day Online Workshop on Teaching and Learning Tools and Technique organized by **Pondicherry University**, Effective Remote Teaching and Learning Tools and Technique, 27.07.2022 to 01.08.2022
- 75 Online Elementary FDP on Blockchain Analytics and Big Data the Future of Business Process sponsored by AICTE - ATAL organized by **Central University of Tamil Nadu**, Blockchain Analytics and Big Data the Future of Business Process, 06.12.2021 to 10.12.2021.
- 74 Short term Training Programming on Big Data Analytics using Soft Computing Tools sponsored by AICTE organized by **Rajiv Gandhi University (A Central University)**, Support Vector Machine and its implementation, 01.12.2021
- 73 Short term Training Programming on Mathematics and Statistics for Machine Learning sponsored by MeitY, GoI organized by **Pondicherry University and NIT Warangal**, Decision Trees, 22.11.2021 to 02.12.2021
- 72 Short term Training Programming on Big Data Analytics using Soft Computing Tools sponsored by AICTE organized by **Rajiv Gandhi University (A Central University)**, Supervised Learning: Decision trees and Adaboost, 10.11.2021
- 71 Seven Day National Level Faculty Development Program on Changing Business Environment and Contemporary Management Technique organized by **St. Joseph's College of Commerce**, Blockchain and its Banking Applications, 23.10.2021
- 70 Webinar organized by **Sri Muthukumaran Institute of Technology**, How to Write and Publish Research Article in Scopus and SCI Journals, 20.10.2021
- 69 Short term Training Programming on Big Data Analytics using Soft Computing Tools sponsored by AICTE organized by **Rajiv Gandhi University (A Central University)**, Python Programming for Data Analytics, 27.09.2021
- 68 UGC - HRDC Online Refresher Course in Computer Science & Applications organized by **Bharathidasan University**, Machine Learning Techniques, 22.09.2021
- 67 Online Elementary FDP on Data Analytics using Python/R Programming sponsored by AICTE-ATAL organized by **National Institute of Technology, Puducherry Karaikal**, Data Analytics using Python Programming, 23-27 August 2021

- 66 Online Elementary FDP on Recent Trends in Cyber Security Domain sponsored by AICTE-ATAL organized by **Manonmaniam Sundaranar University**, Recent Trends in Cyber Security Domain, 05.07.2021 to 09.07.2021
- 65 One Week Online Workshop on Machine Learning - Concepts and Applications organized by **National Institute of Technology, Tiruchirappalli**, Machine Learning Concepts and Applications, 19.04.2021 to 23.04.2021
- 64 Five Days Online Workshop on Artificial Intelligence & Machine Learning Techniques for Data Analytics organized by **National Institute of Technology, Tiruchirappalli**, Supervised Learning, 15.02.2021 to 19.02.2021
- 63 Online FDP on Blockchain sponsored by AICTE ATAL organized by **KCG College of Technology**, Blockchain Applications across domains, 21.09.2020 to 25.09.2020
- 62 International Webinar organized by **Rajah Serfoji Govt. College, Thanjavur** delivered Valedictory Address on 14.06.2020
- 61 Webinar Lecture Series on Computational Intelligence organized by **Alagappa University**, Current Research Trends in Machine Learning, 06.06.2020
- 60 One day Webinar organized by **Annai Vailankanni Arts and Science College**, An Overview of Machine Learning, 4, June 2020
- 59 International Conference on Research Trends in Computing Technologies organized by **Dr.N.G.P. Arts and Science College**, BlockChain Technology, 28-29, February 2020
- 58 Invited Talk organized by **Central University of Himachal Pradesh**, Integration of ICT in Teachers Education and its Impact in Learning, 25, February 2020
- 57 Three Days National Conference on Innovation in Teaching and Learning Trends in 21st Century organized by **ICFAI University, Tripura**, A Survey of ICT integration in Teaching and Learning in South Indian Central University, 18-20, February 2020
- 56 National Seminar on Research Issues in Computer and Communication Network organized by **Amal College of Advanced Studies**, Computer Networks, 14, February 2020
- 55 International Conference on Computer, Communication and Power Engineering organized by **SASTRA Deemed University**, Keynote Address on Blockchain Technology, 28, December 2019
- 54 Refresher Course in Computer Science, University Grant Commission, New Delhi, organized by **Bharathidasan University**, Python for Research, 10, December 2019 (Forenoon Session)
- 53 Refresher Course in Computer Science, University Grant Commission, New Delhi, organized by **Bharathidasan University**, Python for Research, 10, December 2019 (Afternoon Session)
- 52 Invited Talk organized by **Government College for Women, Kumbakonam**, Blockchain Technology and its Applications, 1, October 2019
- 51 Invited Talk organized by **Central University of Rajasthan**, Pros and Cons of using ICT in Teacher Education, 13, September 2019
- 50 Invited Talk organized by **Regional Institute of Education, AJMER**, Use of ICT in Teaching

and Learning, 12, September 2019

49 Invited Talk organized by **Central University of Gujarat**, Use of ICT in Teaching and Learning, 9, September 2019

48 Invited Talk organized by **Mizoram University (A Central University)**, Role of ICT in Education, 16, August 2019

47 Invited Talk on Future Disruptive Technologies organized by **SASTRA Deemed University**, Future Disruptive Technologies, 10, August 2019

46 National Conference on Mathematics and its Application in Technology organized by **SASTRA Deemed University**, Blockchain and its Applications, 29-30, March 2019

45 National Level Conference on Advanced Research in Computer Science and Technology organized by **Swami Dayananda College of Arts and Science**, Inaugural Address on Advancements in IT, 28, March 2019

44 National Level Conference on Advanced Research in Computer Science and Technology organized by **Swami Dayananda College of Arts and Science**, BlockChain and its Applications, 28, March 2019

43 NET/SET Coaching Programme organized by **Periyar University**, Object Oriented Programming, 9, February 2019

42 NET/SET Coaching Programme organized by **Periyar University**, Data Base Management System, 8, February 2019

41 National Level Conference on Advanced Computing and Communication Technologies organized by **Siri PSG Arts and Science College for Women**, IOT Home Security Model, 29, September 2018

40 National Level Conference on Advanced Computing and Communication Technologies organized by **Siri PSG Arts and Science College for Women**, Machine Learning and its applications, 29, September 2018

39 Invited Lecture on Essential Things to be Followed for Successful Computer Engineers organized by **Nethaji Subash Chandra Bose College**, Essential Things to be Followed for Successful Computer Engineers, 27, September 2018

38 Workshop on Object oriented approach in Python organized by **Rajiv Gandhi University (A Central University)**, Object oriented approach in Python, 21, August 2018

37 Orientation Programme organized by **Central University of Tamilnadu**, Role of Computers in Epidemiology and Public Health Students, 31, July 2018

36 Leca 2K18 Programme organized by **Swami Dayananda College of Arts and Science**, Seven Major Cyber Threats 2017 and its Mitigation , 20 July 2018

35 International Conference on Current Research in Engineering Science and Technology 2018 organized by **Jayaram College of Engineering and Technology**, Internet of things and its Applications, Seventh Sense Research Group, 30, April 2018

- 34 Two Day National Workshop on IoT using Raspberry Pi organized by **Central University of Tamilnadu**, Security Issues in IoT, 5-6, April 2018
- 33 Invited Keynote Speaker organized by **PSNA College of Engineering and Technology**, Recent trends in Cyber Security Domain, 23, March, 2018
- 32 Invited Talk on Opportunities and Threats in Cyber World organized by **Alagappa University**, Opportunities and threats in Cyber World, 20, March 2018
- 31 Summer School in Computer Science and Applications organized by **Bharathidasan University** sponsored by University Grant Commission, New Delhi, Python for Research, 03, March 2018
- 30 One day National Level Seminar on Cyber Security and Ethical Hacking organized by **Bharathidasan University**, Department of Science and Technology - PURSE, 01st March 2018
- 29 One Day National Workshop on Orientation to Research Fundamentals and Recent Innovations in Computer Science organized by **Central University of Tamilnadu**, Zotero: Open source Reference Management Tool, 24, February 2018
- 28 Special Lecture on Python Programming organized by **Thiagarajar College**, Python Programming , 20 February 2018
- 27 Keynote Address on e-Learning Materials organized by **Thiagarajar College**, Development and Implementation of e-Learning in Discrete Mathematics, 20, February 2018
- 26 Refresher Course in Computer Science organized by **Pondicherry University**, University Grant Commission, New Delhi, Security amelioration using Image Steganography, 3, November 2017
- 25 India International Science Festival 2017 organized by **Anna University**, Mobile App: Mosquitos can Prevent Dengue, 13-16, October 2017
- 24 One Day National Workshop on Digital India Initiatives organized by **Central University of Tamilnadu**, Cyber Security awareness for students, 7th October 2017
- 23 Special Lecture organized by **AVVM Sri Pushpam College**, Big Data Analytics, 18, August 2017
- 22 Special Lecture organized by **Annai College of Arts and Science**, Data Science Analytics, 13, July 2017
- 21 Five Day National Workshop on Digitalization of Resources using Open Source Software DSPACE organized by **Central University of Tamilnadu** sponsored by Information and Library Network Centre, Gujarat, Introduction to Open Source Software and Linux, 20-24, March 2017
- 20 Five Day National Workshop on Digitalization of Resources using Open Source Software EPRINTS organized by **Alagappa University** sponsored by Information and Library Network Centre, Gujarat, Open source software for Libraries, 6-10, March 2017
- 19 Awareness and Orientation Programme 2017 organized by **Central University of Tamilnadu**, First year admitted students, 28, February 2017

- 18 Orientation Programme organized by **Central University of Tamilnadu**, Basic of Computers to Epidemiology and Public Health, 9, September 2016
- 17 Refresher Course in Computer Science organized by **Bharathidasan University**, Python for Researchers, University Grant Commission, New Delhi, 20-21, November 2015
- 16 Refresher Course in Computer Science organized by **Bharathidasan University**, Strengthening Security using Image Steganography, University Grant Commission, New Delhi, 06, March 2015
- 15 Special Lecture organized by **KCG College of Technology**, Cryptography and Network Security, 15, March 2014
- 14 20th Workshop on Smart and Secure Environment organized by **Anna University**, Anti Phishing Plug-in using Steganography, National Technical Research Organization, New Delhi, 16-17, December 2011
- 13 First IDRBT Doctoral Colloquium organized by **Institute for Development and Research in Banking Technology**, Qualitative Analysis of Dynamic Pattern Based Steganography Algorithm in Providing E-Banking Security, 22-23, September 2011
- 12 19th Workshop on Smart and Secure Environment organized by **PSG College of Technology**, Pattern Based 3D Image Steganography, National Technical Research Organization, New Delhi, 16-17, September 2011
- 11 19th Workshop on Smart and Secure Environment organized by **PSG College of Technology**, Dynamic Pattern Based Image Steganography, National Technical Research Organization, New Delhi, 16-17, September 2011
- 10 18th Workshop on Smart and Secure Environment organized by **National Institute of Technology Trichy**, Image Steganalysis with Combination of Binary Similarity Measures and Chi-square Statistics, National Technical Research Organization, New Delhi, 17-18, June 2011
- 9 18th Workshop on Smart and Secure Environment organized by **National Institute of Technology, Trichy**, Pattern Based 3D Steganography, National Technical Research Organization, New Delhi, 17-18, June 2011
- 8 17th Workshop on Smart and Secure Environment organized by **Thiagarajar College of Engineering**, Steganography using Elliptical Curve Cryptography, National Technical Research Organization, New Delhi, 18-19, March 2011
- 7 16th Workshop on Smart and Secure Environment organized by **Alagappa University**, Color Model Based Steganalysis using Chi-square, National Technical Research Organization, New Delhi, 17-18, December 2010
- 6 15th Workshop on Collaborative Directed Basic Research in Smart Secure Environment organized by **Madurai Kamaraj University**, Anti-phishing Technique using browser Plugin, National Technical Research Organization, New Delhi, 17-18, September 2010
- 5 14th Workshop on Smart and Secure Environment organized by **Pondicherry University**, Building Image Database Steganalysis using HIS Color Model, National Technical Research Organization, New Delhi, 18-19, June 2010
- 4 13th Workshop on Smart and Secure Environment organized by **Anna University**, Steganalysis

Using HSI Color Model, National Technical Research Organization, New Delhi, 19-20, March 2010

3 13th Workshop on Smart and Secure Environment organized by **Anna University**, Stepping Up Internet Banking Security using Steganography, National Technical Research Organization, New Delhi, 19-20, March 2010

2 13th Workshop on Smart and Secure Environment organized by **Anna University**, Comparison of Dynamic Pattern Based Steganography with existing Technology, National Technical Research Organization, New Delhi, 19-20, March 2010

1 Eleventh Workshop on CDBR - Smart and Secure Environment organized by **PSG College of Technology**, Heuristic Based Image Steganography Algorithm Using Pixel Indicator and RGB Intensity, National Technical Research Organization, New Delhi, 18-19, September 2009

### **Board of Studies Member:**

Chairperson - Board of Studies, **Department of Computer Science, Central University of Tamil Nadu**, Thiruvarur, 2016

Expert member in Board of Studies, **Department of Microbiology, Central University of Tamil Nadu**, Thiruvarur, 2018

Expert member in Board of Studies in **Department of Computer Applications, Nehru Memorial College**, Trichy, 2018

Expert member in Board of Studies in **Department of Computer Applications, Sree Saraswathi Thyagaraja College**, 2019

Expert member in Board of Studies in **Department of Information Technology, Mannar Thirumalai Naicker College**, 2019

Expert member in Board of Studies in **Computer Science Certificate Courses in Community College, Central University of Tamil Nadu**, 2019

Expert member in Board of Studies in **Department of Computer Science, Government College for Women, Kumbakonam**, 2020

Expert member in Board of Studies in **Department of Mathematics, Central University of Tamil Nadu**, 2019

Expert member in Board of Studies in **Department of Computer Science / Information Technology, Alagappa University** from 2019 to 2022

Expert member in Board of Studies in **Department of Computer Science / Information Technology, Alagappa University** from 2022 to 2025

Expert member in Board of Studies in **Department of Computer Science, Nehru Memorial College**, 2023

Expert member in Board of Studies in **Department of Computer Science, Rajah Saraboji College**, Thanjavur, 2023

Chairperson - Board of Studies, Department of Computer Science (Artificial Intelligence / Cyber Security / Data Science), **Rajiv Gandhi National Institute of Youth Development**, Sriperumbudur, 2022

Expert member in Board of Studies in Department of Mathematics for Computer Science / Information Technology courses in **College of Engineering, Gunidy, Anna University**, 2023

Expert member in Board of Studies in **Department of Epidemiology and Public Health, CUTN**, 2025

### **School Board Member / Board of Management:**

Expert member for the **School of Mathematics & Computer Sciences, Central University of Tamil Nadu**, 2024, 2025

Expert member for the **School of Communication, Central University of Tamil Nadu**, 2018

Member, Board of Management, **Community College, Central University of Tamil Nadu**, 2019

### **Major Administrative Responsibilities:**

- Dean Research- Rajiv Gandhi National Institute of Youth Development, Sriperumbudur from June 2023 to February 2024
- Chairperson - PG Admission Committee for the academic year, RGNIYD, 2023-24
- Chairperson - Ph.D. Admission Committee for the academic year, RGNIYD, 2023-24
- Computer Lab Head - Rajiv Gandhi National Institute of Youth Development, Sriperumbudur from March 2023 to February 2024
- Placement Officer (Science Departments) - Rajiv Gandhi National Institute of Youth Development, Sriperumbudur from January 2023 to February 2024
- Public Relation Officer - Rajiv Gandhi National Institute of Youth Development, Sriperumbudur from August 2022 to February 2024
- Founder Head of the Department of Computer Science Cyber Security, Rajiv Gandhi National Institute of Youth Development, Sriperumbudur from September 2022 to February 2024
- Founder Head of the Department of Computer Science, Central University of Tamil Nadu from 2016 – 2020.
- Coordinator for “Basic Computer Application” certificate course - Community College from June 2018 to June 2022

- Member academic council, Central University of Tamil Nadu from 2016 – 2020
- Member, Digital Initiative Committee at Central University of Tamil Nadu, 2018
- Nodal Officer, Campus Connect Wi-Fi Project, from 2016 to June 2022. This project worth 5.6 crores was funded by UGC / MHRD. In this project all the academic buildings and hostels are connected with Wi-Fi facility.
- Observer for CUCET 2019 for Madurai Center
- Question paper setter for recruitment process in High Court, Chennai
- Instrumental in setting up high end labs at Department of Computer Science, Central University of Tamil Nadu, Kendriya Vidyalaya, Thiruvarur and in Rajiv Gandhi National Institute of Youth Development.
- Chairperson, Implementation of Indigenous Mail Server for CUTN, 2017
- Doctoral Committee member for scholars in Central University of Tamil Nadu, Sathyabama University, VIT,
- Member, Library advisory committee member, Central University of Tamil Nadu, 2017
- Convener – MHRD Institution Innovation Cell from 2019 to June 2022 and from 2024 to till date
- Warden - Mahanadhi Hostel, Central University of Tamil Nadu from September 2024 to till date
- Module Admin - Samarth ERP - Hostel Management from June 2025 to till date
- Chairman – Question paper setting Committee for Bharathidasan University / Alagappa University / Pondicherry University / Manonmaniam Sundaranar University / Periyar University / Anna University / Tamil University / Bharathiar University / Pondicherry Engineering College/ Vignan University

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