



## CURRICULUM VITAE

**Prof. Dr. G. SELVAVINAYAGAM** B.E, M.E, M.Sc, M.B.A, Ph.D, D.Eng.(Hons),C.Eng.,

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### OBJECTIVE

To excel in the field of teaching and research in an aggressive team oriented environment.

### MY HIGHLIGHTS

- **Chartered Engineer** (Computer Engineering Division)
- Received **TOP 100 International Distinguished Educators Award 2020** from Green Thinkerz
- Received **Best Innovative Research & Dedicated Educator Award** from ISRP-Malaysia
- Selected for **Best Scientist Award 2020** from IMRF
- **Completed Ph.D** in Anna University, Tamilnadu
- Teaching Experience **17 Years** in Engineering colleges
- Published **30 Papers** in National/ International **Journals**
- Presented papers in **33 National / International Conferences**
- Life **Member** in **11 Professional Bodies**

- Produced **100 % results 9 Times** in handled subjects
- **Published 8 Books** with ISBN
- **Published 2 e-Books** in Amazon Portal with ASIN
- Having **3 PG Degrees** (M.E- CCE, M.Sc-Psychology and M.B.A-HR)
- Guided **18 PG Projects**
- Attended 30 **FDPs/Workshops/Seminars**
- Participated in 45 **Webinars** online
- Participated in **16 E-QUIZ**
- Completed **3 Google Certifications** online
- Completed 10 **AWS Certifications** online
- Completed 41 **Elsevier Certifications** online
- Completed 2 **LinkedIn Certifications** online
- Completed 1 **EDUCBA Certifications** online
- Given **Guest lecture** on Automata **7 times**
- **Reviewer** in 4 **International Journals**

Honorary Editorial Board Member

Consulting Editor for ISRP Journals

- **Acted Board of Studies Member for Computer Studies** in SNSCT (Autonomous)
- **ISO certified Internal Quality Auditor**
- **Received Funds** from **ICMR, TNSCST and AUFDP**
- **Acted as Nodal Officer-NIRF** at KGiSL Institute of Technology
- **Vice chairman** – Anna University Central Valuation- CSE Board

## EDUCATIONAL QUALIFICATION

- **Received Honorary Post Doctoral Degree**
- **Completed Ph.D** (Information & Communication Engg) , Anna University Chennai, 2018
- Passed **M.E** ( Computer & Communication) Tamilnadu College of Engg, Coimbatore, 2009
- Passed **B.E** ( Computer Science & Engineering ) Tamilnadu College of Engg. Coimbatore, 2003
- Passed **M.B.A** ( Human Resource Management ) Bharathiyar University, Coimbatore, 2012
- Passed **M.Sc** ( Psychology ) University of Madras, 2009
- Passed **H.S.C** with 82 %, StateBoard, 1999
- Passed **S.S.L.C** with 92.3 %, StateBoard, 1996

## TEACHING EXPERIENCE

- ✓ Lecturer, Park College of Engineering and Technology , Coimbatore, **7 years and 5 months**
- ✓ Assistant Professor, SNS College of Technology, Coimbatore, **4 year and 2 months**
- ✓ Associate Professor, Aringer Anna College of Engineering and Technology, Palani, **1 Year**
- ✓ Professor, KGISL Institute of Technology, Coimbatore, **4 Years**
- ✓ Professor, Rathinam Technical Campus, Coimbatore, 6 months
- ✓ Professor, Easa College of Engineering and Technology, Coimbatore, 4 months (working)

## AWARDS RECEIVED

- Received TOP 100 **International Distinguished Educators Award 2020** from Green Thinkerz
- Received Best Innovative Research & Dedicated Educator Award ISRP-Malaysia
- Selected for **Best Scientist Award 2020** from IMRF

## PATENTS PUBLISHED

### PATENT I:

SLEEP APNEA DETECTION METHOD FOR IN BED PATIENTS FROM SPO2 SIGNAL USING  
MACHINE LEARNING

Journal No. 28/2020 Dated 10/07/2020 25897

### PATENT 2

Journal No. 28/2020 Dated 10/07/2020 25901

APPARATUS FOR MONITOR AND TREATMENT OF CARPAL TUNNEL SYNDROME

## BOOK PUBLICATIONS

- Automata Theory, ISBN : 9781648924057
- Rudiments of Computer Security, ISBN: 9781648928277
- Cellular Automata Based Cryptosystem, ISBN: 9781648928291

- Emerging Trends in Information Technology, 9781648991479
- Cryptography, ISBN: 9781648992179
- Destiny is Yours, ISBN: 9781648991806
- Cyber Security, ISBN: 9781648994371
- Cryptanalysis, ISBN: 9781648994449
- Introduction To Computers, ASIN: B00YXL51UQ
- Computer Fundamentals and C Programming, ASIN: B00LGXRL48

#### **ROLES & ACHEIVEMENTS IN PARK ENGG.**

- Acted as HOD i/c CSE Department for 7 Years
- Acted as **NBA & ISO** Coordinator for Department file management
- Coordinated THREE symposiums **Kentrox '07, Kentrox '08** and **Cyberena '09**
- Acted as a **Single Point of Contact** for **Infosys CampusConnect**
- Completed **CampusConnect** Technical training to **THREE batches** of students
- **ISO certified Internal Quality Auditor**
- **Chief editor** for Department Magazine "**Logon**" and Newsletter "**TechFact**"
- Organized **SEVEN webinars** in various technical topics
- Acted as **Convener** in various committees for **College Day, Graduation Day** and many **Formal functions** in the College
- Represented the college in various **Educational Fairs**
- Organized many **Association** Functions for students in Department
- Consistently produced **good results** in subjects handled

#### **ROLES & ACHEIVEMENTS IN SNS TECH.**

- Board of Studies Member –Computer Sciences Board - SNSCT Autonomous
- Acted as **selection panel member** for **SNS Institutions Faculty Recruitment**
- Coordinated **National level Technical Conference** NCNICS'12
- Organized **National level seminar** on Green Computing
- Acted as a **NBA** Coordinator (**Familiar to Jan, 2013 NBA TIER 2 Format**)

- Incharge for **Ragging** Monitoring & Prevention Committee
- **Project** Coordinator – UG
- **Guided 16 PG Projects** (M.E/ M. Tech)
- Produced **100%** result in **NINE** Subjects (UG & PG Subjects)
- Received **Certificate of Appreciation** for **NINE** subjects for producing excellent results
- Class committee Chair Person
- **Reviewer** for IEEE International Conference – IEEE ICCIC 2012
- **Handled** a session in **CSIR sponsored workshop (23-01-2013)**
- Acted as **Internal Auditor** for **IQAC**
- **Involved in Stock verification** of other Departments in College
- Acted as **Interview panel expert member** in **SNS Institutions' Recruitment** process
- Students' **Mini Projects** Incharge at Department level
- Students' **Industrial Projects** Incharge at Department level
- Students' **Industrial Visit** Incharge at Department level
- Acted as **selection panel member** for **SNSCT Student Parliament**

#### **ROLES & ACHIEVEMENTS IN ARINGER ANNA ENGG.**

- Acted as **HOD** for CSE Department
- Acted as **Discipline Co-ordinator**
- Acted as **Interview panel expert member Recruitment** process
- Acted as **AICTE Approval** and **Anna University Affiliation** incharge- Coordinator

#### **ROLES & ACHIEVEMENTS IN KGISL INST.**

- Nodal officer for **NIRF Ranking 2018**
- Acted as **Admission Co-ordinator**
- Received **funds** from **ICMR , AU FDP** and **TNSCST** for organizing events
- Acted as **Workshop Co-ordinator**
- Acted as a **NBA Coordinator (Familiar to Jan, 2013 NBA TIER 2 Format)** and Received **NBA**

#### **e- BOOKS PUBLISHED IN AMAZON PORTAL**

- Introduction to Computers (ASIN : B00YXL51UQ)
- Computer Fundamentals and C Programming (ASIN : B00LGXRL48)

#### **GUEST LECTURES GIVEN ON AUTOMATA THEORY**

- PSG College of Technology, Coimbatore (2 times)
- V.L.B . Janakiammal College of Engineering & Technology, Coimbatore
- Erode Sengunthar College of Engineering, Perundurai
- Surya College of Engineering, Vijayamangalam
- Tamilnadu College of Engineering, Karumathampatti
- SCAD Institute of Technology, Palladam

#### **SESSION HANDLED IN WORKSHOP/ SEMINAR / FDP**

- Handled a session in Faculty Development Programme on “Theory of Computation” at Vellalar College of Engineering, Thindal on 02.12.2010
- Given a seminar in CSIR sponsored Two days seminar on “High Performance Computing & Cyber Security” held on 22.01.2013 and 23.01.2013 at SNS College of Technology Coimbatore.

#### **PRODUCED 100% RESULTS**

<b>S.No</b>	<b>Name of the Subject</b>	<b>Semester / Branch</b>	<b>Academic Year</b>
1	Communication Network Security	II SEM - I M.E CCE	2011-2012
2	Information Security	II SEM - I M.Tech IT	2011-2012
3	Software Project Management	III SEM - II M.Tech IT	2012-2013
4	Information Security	II SEM - I M.Tech IT	2012-2013
5	Data Structures & OOP	III SEM - II B.E ECE	2013-2014
6	Enterprise Resource Planning	III SEM - II M.Tech IT	2013-2014

7	Communication Network Security	VI SEM - III B.Tech IT	2014-2015
8	Engg. Educational Management	III SEM - II M.Tech IT	2014-2015
9	Cyber Forensics	VII SEM IV B.Tech IT	2019-2020

## PG PROJECTS GUIDED

**Total Number of PG Projects Guided : 18**

S.No	Degree	Name of Student	Title of the project	Completion
1	M.E (CCE)	R.Satheesh	Efficient searching for file Sharing in peer to peer with Repository function & super peer	JUNE 2012
2	M.Tech (IT)	C.V.Arul Kumar	Security Enhancement in E-Passport with 2D Human Skull Recognition using Image Registration Algorithm	JUNE 2012
3	M.Tech (IT)	Manochitra	Action Alert System using Generalised Regression Neural Network	JUNE 2012
4	M.E (CCE)	Soumya Madhavan	Efficient Location Privacy Using GSP and Flow Deviation Methods in WSN	JUNE 2012
5	M.Tech (IT)	B.Kalpana	Smart Code Based On Packet Hiding Methods for Preventing Selective Jamming Attack	JUNE 2012
6	M.E (CCE)	D. Umamageswari	Automated Wheelchair Motion Control Guide Based on Electroencephalography	JUNE 2013
7	M.E (CCE)	Saranya Bhaskaran	Smart Chair System for Comma Recovery Identification	JUNE 2013
8	M.E (CCE)	T. Shylaja	Mitigation of IP Spoofing Attack based on Hop-Count and Unique ID.	JUNE 2013
9	M.Tech (IT)	E. Meenachi	Enhancing Security in Video copy Detection System	JUNE 2013
10	M.E (CCE)	P.S. SanthanaMangai	Steganography in Inactive frames by Entropy using FEC as Reed-Solomon in VOIP Streams	JUNE 2013
11	M.E (CCE)	P. Ananthi	A light Weight Buyer Seller Water marking Protocol based on Priced Oblivious Transfer	JUNE 2013
12	M.Tech (IT)	U. Sahana	A Depth Survey on Peer to Peer Systems	JUNE 2014

13	M.Tech (IT)	D.John Victor	Sparse Coded Features for Content Based Face Image Retrieval	JUNE 2014
14	M.E (CCE)	P.Kesavan	Trust System Based Processing on Payment Reports in Multihop Wireless Networks	JUNE 2014
15	M.E (CCE)	N. Parthiban	Combining Two Biometric System for Generating Virtual Identities	JUNE 2014
16	M.E (CCE)	Gokila Bharathi	A novel decision fusion approaches for image forensics analysis	JUNE 2014
17	M.Tech (IT)	N.Naveen Kumar	A Survey on Appliance and Security in BigData	JUNE 2015
18	M.Tech (IT)	D.Ranjani	Analysis of various Image Encryption and Decryption Techniques	JUNE 2015

#### **FACULTY DEVELOPMENT PROGRAMMES ATTENDED**

1. Participated in National Level 5 days Online Faculty Development Programme on " Advancements in Data Analytics using Informatica" , conducted by Vignan's Institute of Engineering for Women at Visakhapatnam from 21/06/2021 to 25/06/2021
2. Participated in National Level 5 days Online Faculty Development Programme on " Reach to Innovative Tech" , conducted by G.L. Bajaj Institute of Technology & Management, Greater Noida , Uttar Pradesh-201306, India from (28<sup>th</sup> June to 2<sup>nd</sup> July, 2021 )
3. Participated in Seven Day International Faculty Development Programme on "COVID-19 and GENERAL HEALTH AWARENESS" Organised by the Department of Physical Education and Internal Quality Assurance Cell, Rajapalayam Rajus' College in association with Physical Education Foundation of India (PEFI) Tamilnadu Chapter, Recognised by the Ministry of Youth Affairs and Sports held during from 1st July to 7th July 2021.
4. Participated in Online 5 Days National Level Faculty Development Program On "Cyber Security"" from 28<sup>th</sup> June to 2<sup>nd</sup> July, 2021 organised by Vasireddy Venkatadri Institute Of Technology, Andrapradesh
5. Participated in a National Level One Week Faculty Development Program on Multi Technology from 28<sup>th</sup> June 2021 to 03<sup>rd</sup> July 2021 organised by the Department of Computer Science and Engineering in association with National Youth Council of India and Brainovision Solutions India Pvt. Ltd. conducted by M.Kumarasamy College of Engineering, Tamilnadu, India.
6. Participated in a National Level One day Faculty Development Program on Microsoft Azure Fundamentals on 12<sup>th</sup> July 2021 conducted by Joseph's Degree College , Kurnool.



7. Participated in Online 5 Days Faculty Development Program "Natural Language Processing" from 12<sup>th</sup> July –to 16<sup>th</sup> July, 2021 conducted by Vidya Vardhga College of Engineering, Bengaluru.
8. Participated in Online 5 Days Faculty Development Program "Research Perspectives on Datascience and DeepLearning" from 12<sup>th</sup> July –to 16<sup>th</sup> July, 2021 conducted by New Horizon College of Engineering, Bengaluru.
9. 1 day seminar on “**Leading with Authenticity**” conducted at PSG College of Technology, Coimbatore on 22.01.2015
10. 1 day seminar on AICTE sponsored on “**Green Computing for Sustainability**” conducted at SNS College of Technology, Coimbatore on 24.01.2014
11. 1 day seminar on “**Entrepreneurship Awareness**” conducted at Sri Eshwar College of Engineering, Coimbatore on 30.08.2013
12. 1 day workshop on “**Ethical Hacking and Cyber Security**” conducted at Sri Eshwar College of Engineering, Coimbatore on 22.08.2013
13. 1 day seminar on “**Research Process**” conducted at Sri Eshwar College of Engineering, Coimbatore on 21.09.2013
14. 2 days FDP on “**Mobile Computing**” conducted at SNS College of Technology, Coimbatore on 14.06.2012 and 15.06.2012
15. 2 days FDP on “**Theory of Computation**” conducted at SNS College of Technology, Coimbatore on 20.12.2012 and 21.12.2012
16. 1 day Workshop on “**Simulation Tools for Grid and Cloud Computing**” conducted at SNS College of Technology, Coimbatore on 24.09.2011
17. 1 day seminar on “**Writing Effective Journal Papers**” conducted at Coimbatore Institute of Technology, Coimbatore on 03.08.2011
18. 2 days workshop on “**ISO 9001 Internal Auditor Training**” conducted at TUV SUD South Asia Pvt. Ltd , Coimbatore from 01.08.2008 to 02.08.2008
19. 3 days Faculty Enablement Program on “ **Train The Trainer** “ in **Infosys** , Mysore from 11.08.2008 to 13.08.2008
20. 1 day seminar on “**Datamining and Warehousing**” conducted at SNS College of Technology, Coimbatore on 25.10.2011
21. 2 days workshop on “**Cyber Security**” conducted at PSG College of Technology, Coimbatore from 08.08.2014 to 09.08.2014
22. 1 day seminar on “**Research Issues in Image Processing**” conducted at SNS College of Engineering, Coimbatore (FEB 2013)
23. 5 days Faculty Enablement Program on “ **Foundation Program in computer science** “ in **Infosys** ,

Mysore from 31.01.2011 to 04.02.2011

24. 2 days workshop on “ **Recent Trends in IT** “ in **IIT Madras**, jointly organized by IIT Madras and **Hexaware Technologies**, Chennai from 26.07.2007 to 27.07.2007
25. 12 days FTP on “**Theory of computation** “ in **SSN College of Engineering**, Chennai from 21.05.2007 to 02.06.2007
26. 1 day seminar on “**Teaching Guidance**” conducted at **SNS College of Technology**, Coimbatore on 22.06.2011
27. 13 days Faculty Enablement Program on “ **9 generic courses in computer science**“ in **Infosys** , Mysore from 01.05.2006 to 13.05.2006
28. 6 days FTP on “**Theory of computation**“ in **Tamilnadu college of Engineering**, Coimbatore from 23.05.2005 to 28.05.2005
29. 2 days workshop on “ **Students guidance and counseling** “ in **Tamilnadu college of Engineering** , Coimbatore from 14.04.2004 to 15.04.2004
30. 1 day workshop on “ **Network simulator** “ in **Park College Of Engineering and Technology**, Coimbatore on 10.10.2007

#### ON LINE GOOGLE CERTIFICATIONS

- Completed “**Google Analytics for Beginners**”
- Completed “**Advanced Google Analytics**”
- Participated in 11 days online **FDP on “Data Science with R”**
- Completed from Google Garage on “**Fundamentals of Digital marketing**”
- **Participation in 30 inline Webinars**

#### ON LINE AWS CERTIFICATIONS

1. Data Analytics Fundamentals
2. Introduction to Amazon Elastic Compute Cloud (EC2)
- 3 AWS Systems Manager
4. AWS Technical Essentials
5. AWS Cloud Practitioner Essentials
6. Introduction to Amazon Quicksight
7. Introduction to AWS Solutions

8. Anomaly Detection on AWS
9. Amazon Honeycode Essentials
10. Authenticating Serverless Apps to the Enterprise

#### ON LINE LINKEDIN CERTIFICATIONS

1. Learning Data Analytics
2. Python Fundamentals

#### ATAL CERTIFICATIONS

1. Completed successfully AICTE Training And Learning (**ATAL**) Academy Online Elementary FDP on "**Recent Trends In Cyber Security Domain**" from 2021-07-05 to 2021-07-09 at Manonmaniam Sundaranar University.
2. Completed successfully AICTE Training And Learning (**ATAL**) Academy Online Elementary FDP on "**Framework for Online Assessment**" from 2021-07-12 to 2021-07-16 at National Institute of Technical Teachers Training & Research

#### ON LINE ELSEVIER CERTIFICATIONS

##### ELSEVIER - Certificate of Excellence

1. Received **Certificate of Excellence** and has successfully Completed every module within Becoming a peer reviewer.
2. Received **Certificate of Excellence** and has successfully Completed every module within Going through peer review.
3. Received **Certificate of Excellence** and has successfully Completed every module within Social impact.
4. Received **Certificate of Excellence** and has successfully Completed every module within Fundamentals of publishing.
5. Received **Certificate of Excellence** and has successfully Completed every module within Funding.
6. Received **Certificate of Excellence** and has successfully Completed Certified Peer Reviewer Course.

##### ELSEVIER – Researcher Academy – Module Completions

1. Completed the module How to become a reviewer and what do editors expect?
2. Completed the module How to design effective figures for review articles.

3. Completed the module How to review a manuscript.
4. Completed the module How to review a manuscript.
5. Completed the module 10 tips for writing a truly terrible review.
6. Completed the module 10 Building trust and engagement in peer review.
7. Completed the module 10 Building trust and engagement in peer review.
8. Completed the module How to build empathy in research.
9. Completed the module Conference skills for researchers.
10. Completed the module Diversity in peer review .
11. Completed the module An editor's guide to writing a review article.
12. Completed the module Make the most of your research: publish your data & methods.
13. Completed the module How to promote yourself and your research as an Early Career Researcher.
14. Completed the module How to promote your research for maximum impact.
15. Completed the module How to respond to reviewers' comments.
16. Completed the module Seven strategies for scientists to communicate their research.
17. Completed the module Social Media for Researchers.
18. Completed the module Systematic reviews.
19. Completed the module How to write case reports.
20. Completed the module How to write for an interdisciplinary audience.
21. Completed the module 10 reasons to get – and use – an ORCID ID.
22. Completed the module How to write for an interdisciplinary audience.
23. Completed the module The journal publishing cycle.
24. Completed the module Making sense of science stories.
25. Completed the module The origins of scientific publishing.
26. Completed the module How to secure funding - ECR edition.
27. Completed the module Discover how metrics can boost funding and networking Opportunities.
28. Completed the module Funding Hacks for Researchers.
29. Completed the module Successful research grant applications – getting it right.
30. Completed the module What is peer review? Why peer review?.
31. Completed the module Models of peer review.
32. Completed the module The typical peer review process.
33. Completed the module How to get involved peer review process.
34. Completed the module just got a review invite, what's next? peer review process.
35. Completed the module How to write a helpful peer review report.
36. Completed the module comments to editors and decision ecommendations.
37. Completed the module How to peer review a review article .

38. Completed the module What next? .
39. Completed the module What to expect from the Certified Peer Reviewer Course? .
40. Completed the module What Why get involved in peer review.
41. Completed the module Introduction to the Certified Peer Reviewer Course.

#### **ON LINE FDP COMPLETION**

- Participated in 11 days **online FDP on “Data Science with R”**
- Participated in 1 day FDP on **“CISCO Packet Tracer”, JAIN University**

#### **ON LINE WEBINAR PARTICIPATION TOPICS**

1. Participated in Webinar on” How to Use Email Effectively Webinar”, conducted Achieve Centre for Leadership on 1<sup>st</sup> July 2021.
2. Participated in Webinar on” Digital Transformation in Banking and Finance”, conducted by Bright Talk Webinar Series on 1<sup>st</sup> July 2021.
3. Participated in Webinar on” Choosing between Kafka, Pulsar, and Other Messaging Technologies”, conducted by Bright Talk Webinar Series on 1<sup>st</sup> July 2021.
4. Participated in Webinar on” Leadership and Culture How to Create a Workplace Where People Like to Work”, conducted Achieve Centre for Leadership on 1<sup>st</sup> July 2021.
5. Participated in Webinar on” Participated in Webinar on” Managing Your Stress During COVID-19
6. Participated Webinar on " Educate to Elevate Higher”conducted by Hindu Nadars' Senthikumara Nadar College, on 2<sup>nd</sup> July 2021
7. Participated in Webinar on” Phishing Prevention with Isolation”, conducted by Bright Talk Webinar Series on 3<sup>rd</sup> July 2021.
8. Participated Webinar on " Lessons to Learn from Brighter side of COVID-19”conducted by Hindu Nadars' Senthikumara Nadar College, on on 7<sup>th</sup> July 2021.
9. Participated Webinar on “The Effect of Intangible Assets on Consumer Behavior Rajapalayam Rajus’ College,Rajapalayam, on 11th July 2021.
10. Participated in Webinar on” Reimagining Digital Transformation”, conducted by Bright Talk Webinar Series on 11<sup>th</sup> July 2021.
11. Participated in Webinar on” 7 “Must Have” Metrics to Assess the Quality of your Data”, conducted by Bright Talk Webinar Series on 11<sup>th</sup> July 2021.
12. Participated in Webinar on” Art of Questioning”, conducted by Hindusthan Business School, Bengaluru on 30<sup>th</sup> June 2021.

13. Participated in Webinar on” Lessons Learned from the Corporate Mailroom During COVID-19”, conducted by Bright Talk Webinar Series on 13<sup>th</sup> July 2021.
14. Participated in Webinar on” Dealing with Data Sprawl in Enterprise Analytics”, conducted by Bright Talk Webinar Series on 13<sup>th</sup> July 2021.
15. The Future of Safety & Security, Bright Talk, Webinar
16. Supervisor Leadership Development: Recognition Strategies, Bright Talk, Webinar
17. Self-awareness: what is it and why is it important?, Bright Talk, Webinar
18. The Power of Personal Style, Bright Talk, Webinar
19. Cybersecurity - it's time for a change, Bright Talk, Webinar
20. Fraud Trends 2020: What to Expect, Bright Talk, Webinar
21. Attacks and Fraud in Uncertain Times, Bright Talk, Webinar
22. Trustworthy 5G Networks , Bright Talk, Webinar
23. Showcasing your research: Present the full picture of your research achievements, Bright Talk
24. Build my knowledge, Bright Talk, Webinar
25. All About Scopus Content, Bright Talk, Webinar
26. Options to provide remote access to Elsevier platforms and tools: EDT, Bright Talk, Webinar
27. Intellectual Property Protection Strategies, Bright Talk, Webinar
28. Introduction to writing research articles, Bright Talk, Webinar
29. Essential tips for publishing in high-impact journals, Bright Talk, Webinar
30. How to Support Remote Learning, Bright Talk, Webinar
31. The Intelligent Edge: The Next Frontier of IoT Innovation, Bright Talk, Webinar
32. Facilitating Remote Learning, Bright Talk, Webinar
33. Protect Sensitive Data, Bright Talk, Webinar
34. Effective conduction of online classes, Eshwar College of Engg., Coimbatore

#### COMPLETION OF E- QUIZ

1. Participated online **Quiz on C Programming** conducted by Easwari Engineering College, Tamilnadu on 23.06.2021
2. Participated online PMFBY **Quiz About Farmers** conducted by Govt. of India, on 24.06.2021
3. Participated online **MYGOV** Quiz on “**international day of yoga**” conducted by Govt. of India, on 24.06.2021
4. Participated online **MYGOV** Quiz on “yoga for life”, conducted by Govt. of India, on 24.06.2021
5. Participated online **MYGOV Sports Quiz** conducted by Govt. of India, on 24.06.2021

6. Participated online Quiz “e-Quiz on **"Vitamin D:An Elixir of Life"** conducted on 11/07/2021 organized by Rathnavel Subramaniam College Of Arts And Science, Sulur Coimbatore.
7. “**Quiz on COVID-19**” from **MYGOV** on 07.05.2020
8. “ **Research paper reading skills**” , JAIN University, Bangalore, on 15.05.2020
9. “ **Artificial Intelligence and Machine Learning**”, Mahendra Engineering College, Tamilnadu on 05.10.2020
10. “**Keep in touch with NBA Accreditation**”, PACE Institute of Technology and Science, Kakinada, 16.05.2020
11. “**Cybersecurity and AI**”, Rathinam Technical Campus, Tamilnadu, on 10.05.2020
12. “ **World Telecommunication Day Quiz**”, Sengunthar Engineering College, Tamilnadu on 17.05.2020
13. “**Mobile Computing**”, St. Peter’s Engineering College, Hyderabad on 17.05.2020
14. “ **NBA Accreditation Process**”, SNJB College of Engineering, Nashik on 17.05.2020
15. “**Aptitude Test For Faculty On OBTL**”, Usha Rama College of Engg, AP on 23.05.2020

#### **PAPERS PRESENTED IN NATIONAL & INTERNATIONAL CONFERENCES**

- **No. of National Conferences 22**
- **No. of International Conferences 11**
- “A Image Transmission System using Wavelet Transformations“ in was presented in “ International Conference on Recent Advances and Innovations in Engineering and Technology” at Ranganathan Engineering College, Coimbatore (20.03.2015) **International Conference**
- “Study on Mining Techniques for Clinical Expert System with BigData“ in was presented in Bannariamman Institute of Technology, Sathyamangalam , (19.03.2015)
- “A Secured Image Transmission System using Wavelet Transformations“ in was presented in “ National Conference on Issues and Trends in Advanced Computing” at Bannariamman Institute of Technology, Sathyamangalam , (14.03.2015)
- “A Image Forensics Analysis by using DST, Fuzzy and Bayesian Approaches” was presented in International Conference on Global Innovations in Computing Technology at Jay Shriram Group of Institutions, Tirupur (06.04.2014) - **International Conference**
- International Journal for Innovative Research in Computer and Communication Engineering (IJIRCCCE) ISSN: 2320-9798, Vol.2. No.1, pp 123-129, March,2014
- “Biometric Authentication System usinf Palm and Fingerprint“ in was presented in “ National Conference on Image Processing, Pattern Recognition and Computational Intelligence” at

Kumaraguru College of Technology, Coimbatore , (14.03.2014)

- “Smart Chair System For Comma Recovery Identification And Care”, was presented in International Conference on Computational Intelligence and Information Technology at Info Institute of Engineering (MAY 2013) - **International Conference**
- “Long Term Vital Parameter Assessment System In a Portable Device For Brain Injured and Critical Patient Care”, was presented in International Conference on “Advanced Computing, Machines & Embedded Technology” at J.K.K.Nattraja College of Engineering And Technology (FEB 2013) - **International Conference**
- “Steganography in Inactive frames by Entropy using FEC as Reed-Solomon in VOIP Streams” was presented in International Conference On Innovative Computing and Information Processing at Mahendra Engineering College, Trichengode (29.03.2012) **International Conference**
- “A novel approach for touch less interfaces” was presented in International Conference on Advanced Computing Technology ( Sponsored by IEEE, Springer, ACM, Oracle and L&T ) in J.K.K.Nattraja College of Engineering and Technology, Coimbatore (MAR 2012) - **International Conference**
- “Behavior-Based IP Spoofing Detection System for Relational Databases” was presented in IEEE Sponsored International Conference on Computing, Communication and Applications (ICCCA 2012) in PSNA College of Engineering and Technology, Dindigul. (FEB 2012)- **Intl. Conference**
- “Enhancing Security by using Internet Point Matching Algorithm in a Video Copy Detection System” was presented in CSIR & DIT Sponsored National Conference on Communication Technology Interventions for Rural and Social Development at Sri Krishna College of Engineering & Technology, Coimbatore (16.02.2012)
- “Entropy Based Steganography in Inactive Frames of VOIP Streams” was presented in International Conference on Intelligent Systems and Control at Karpagam College of Engineering, , Coimbatore (07.01.2012) - **International Conference**
- “Randomness Evaluation of PRNs Generated by Non- Uniform Cellular Automata” was presented in ICICIC 2012, **PSG** College of Technology, Coimbatore (06.01.2012).- **International Conference**
- “Randomness Analysis of PRNs Generated by Uniform and Non-Uniform Cellular Automata” was presented in ICFoCS, **IISc**, Bangalore (07.01.2011)- **International Conference**
- “Comparing Dimension Reduction Techniques” was presented at National Conference on Emerging Trends in Computing Technologies at Karpagam University, Coimbatore(28 .10.2010)
- “Shrinkage Diversity Based High Dimensional Dataspace” was presented in CSIR sponsored National Conference on Technological Advancements in Datamining at Dr.NGP Institute of Technology, Coimbatore (24.04.2010)
- “Analysis of PRNs generated by Uniform CA and Nonuniform CA” was presented in National



Conference on Communication, Computation, Control and Applications at Sri Ramakrishna Institute of Technology, Coimbatore (23.04.2010)

- “Generation of Pseudo Random Numbers using Nonuniform Cellular Automata” was presented in National Conference on Advanced Computing in Computer Applications at Sri Ramakrishna Engineering College, Coimbatore (20.03.2010)
- “Analysis of by Uniform CA and Nonuniform CA based PRNs generators” was presented in National Conference on Advanced Computing in Computer Applications at Sri Ramakrishna Engineering College, Coimbatore (20.03.2010)
- “Comparing Dimension Reduction Techniques” was presented in “ National conference on Emerging Trends in Computing Technology” at SNR Sons College , Coimbatore (MARCH 2010)
- “Mining Concept Drifts using Genetic Algorithm” was presented in National Conference on Emerging Trends in Computing Systems at Nandha Engineering College, Perunthurai (06.03.2009)
- “Web analytics “ in was presented in “ National Conference on Soft and Intelligent Computing” at Bannariamman Institute of Technology, Sathyamangalam , (MAR 2008)
- “Enhanced scheme of Grid Computing with Service Oriented Architecture (SOA)” in Intelligent Systems and Control at Karpagam College of Engineering , Coimbatore (02.02.2008) - **International Conference**
- “Three party authentication for key distributed protocol using quantum cryptography “ in was presented in “ National Conference on Soft and Intelligent Computing” at Tamilnadu college of Engineering , Coimbatore (JAN 2008)
- “ Secured Communication in Multimedia Messaging Service(MMS)” was presented in “ National Conference on Soft and Intelligent Computing” at Tamilnadu college of Engineering , Coimbatore (JAN 2008)
- “Web and WAP based automation system for Alignment of Antennas “was presented in “ National conference on Recent Advancement in Computing “ at Jayaram College of Engineering and Technology, Trichy (FEB 2007)
- “Analysis of recent algorithms in different schemes of cryptographic system “ was presented in “ National conference on Cryptography and Network Security “ at Karpagam Arts and Science College , Coimbatore (22.09.2006)
- “Automata based NFA and DFA Approaches in Matching Text Pattern “ was presented in “ National conference on Recent Advancement in Computing “ at Noorul Islam College of Engineering , Kanyakumari ( SEP 2006 )
- “Minimization of security errors in quantum cryptography “was presented in National conference on Recent Trends in Advanced Computing at SNS College of Tech., Coimbatore ( 06.08. 2006 )

- “Application of automata in string matching was presented in “National conference on Advanced computing technology “ at Jayaram College of Engineering and Technology , Trichy (20.06.2006)
- “Intelligent load balancing” was presented in National conference at T.J.College of Engineering, Chennai (25.02.2006)
- “Pattern matching approaches with regular expressions” was presented in “National conference on Computer Communication and Networks” at Adhiyamaan College of Engineering, Hosur (25.01.2006)

## JOURNAL PUBLICATIONS

- **No. of International Journals : 29**

- **No. of National Journals 1**

- . Published a Paper on “Enhanced Encryption Then Compression System using Cellular Automata”
- 5. Published a Paper on “Comparison of PCKA Algorithm with other algorithms for High Dimensional Space”
- G.Selvavinayagam, K.Umamaheswari, 2014, ‘Attempting to Preserve Energy during Private Data Delivery Using Various Encryption Techniques, Asian Journal Of Information Technology, ISSN:1574-1578, March 2016
- G.Selvavinayagam and K.Umamaheswari, 2014, ‘Enhanced Encryption Then Compression System using Cellular Automata, Journal of Computational and Theoretical Nanoscience, A (ISSN: 1546-1955 (Print): EISSN: 1546-1963
- G.Selvavinayagam and K.Umamaheswari 2014, ‘Identification of Efficient Cellular Automata Rules in Generating pseudo Random numbers’ , Australian Journal of Basic and Applied Sciences, (ISSN: 1991-8178), Vol. 8, No. 15, pp. 182-187, 2014
- G.Selvavinayagam and K.Umamaheswari 2014, ‘Improving the Performance and Security of Multimedia Data Using Stream Ciphers’, Australian Journal of Basic and Applied Sciences, (ISSN: 1991-8178) Vol. 8, No. 15, pp. 196-200.
- G.Selvavinayagam and K.Umamaheswari , ‘Performance Enhancement in Image Encryption using Parallel Non Uniform Cellular Automata Based PRN Generation’, Asian Journal of Research in Social Sciences and Humanities, ISSN:2249-7315)
- K.Durgadevi, G.Selvavinayagam, “Input Inclusive Cryptosystem for Information Sharing” International Journal for Innovative Research in Science and Technology (IJIRST) ISSN: 2349-6010, Vol.1. No.10, pp 197-201, March 2015

- N.Naveenkumar, G.Selvavinayagam, 2014, "A Survey on Appliance and Secure in Bigdata" International Journal for Innovative Research in Science and Technology (IJIRST) ISSN: 2349-6010, Vol.1. No.6, pp 237-243, 2014
- D.Ranjani, G.Selvavinayagam, "A Review on Various Image Encryption and Decryption Techniques", International Journal of Advances in Engineering and Emerging Technology (IJAEET), ISSN: 2321-452X, Volume 6, Issue 2, Nov 2014
- U. Sahana, G.Selvavinayagam, "A Reputation Based Resource Allocation And Resource Monitoring In Peer To Peer Networks", International Journal of Science, Engineering and Technology Research (IJSETR), ISSN: 2278-7798 , Volume 3, Issue 5, pp 1315-1320, May 2014
- D.Gokila Bharathi, G.Selvavinayagam, "A Image Forensics Analysis of Decision Fusion Approaches" International Journal of Computer Science and Mobile Computing (IJCSMC) ISSN: 2320-088X, Vol.3. No.4, pp 711-716, April 2014
- D. JohnVictor, G.Selvavinayagam , "Facial Information Attributes and Combined Feature Vectors based Face Image Retrieval", International Journal of Research in Information Technology (IJRIT), ISSN: 2001-5569, Volume 2, No 4, pp 975-984, April 2014
- D.Gokila Bharathi, G.Selvavinayagam, "A Image Forensics Analysis by using DST, Fuzzy and Bayesian Approaches" International Journal for Innovative Research in Computer and Communication Engineering (IJRCCE) ISSN: 2320-9798, Vol.2. No.1, pp 123-129, March 2014
- N. Parthiban, G.Selvavinayagam, "Combining Two Bio-metric System for Generating Virtual Identities ", International Journal of Computer Science Trend and Technology (IJCST), ISSN: 2347-8578, Volume 2, Issue 1, Feb 2014
- P. Kesavan, G.Selvavinayagam, "Trust System Based Processing on Payment Reports in Multi-Hop Wireless Networks ", International Journal of Computer Science Trend and Technology (IJCST), ISSN: 2347-8578, Volume 2, Issue 1, Feb 2014
- D. JohnVictor, G.Selvavinayagam , "Survey on Sparse Coded Features for Content Based Face Image Retrieval", International Journal of Computer Trends and Technology (IJCTT), ISSN: 2231-2803, Volume 8, No 1, pp 30-33, Feb 2014
- U. Sahana, G.Selvavinayagam , "A Depth Survey on Peer to Peer Systems", International Journal of Computer Applications, ISSN: 0975 – 8887, Volume 86 – No 15, pp 35-37, January 2014
- Manochitra, G.Selvavinayagam, "Action Alert System Using Generalised Regression Neural Network " in International Journal of Communication and Computer Technologies, ISSN NUMBER : 2278-9723, Volume1, Issue:5,Jun 2013
- B.Kalpana, G.Selvavinayagam, "Smart Code Based On Packet Hiding Methods for Preventing

Selective Jamming Attack”, International Journal of Advanced Engineering and Technology Research, ISSN 2319-7782, Volume No.1, Issue18,pp 1-4, January 2013

- C.V.Arulkumar, , G.Selvavinayagam, “Security Enhancement in E-Passport with 2D Human Skull Recognition using Image Registration Algorithm” , International Journal of Advanced Engineering and Technology Research, ISSN 2319-7782, Volume No.1, Issue 16, November 2012
- C.V.Arulkumar, G.Selvavinayagam, “ Enhancement in face recognition using Principal Factor Scrutiny (PFS) using MATLAB”, International Journal of Computer Science and Management Research, ISSN 2278-733X, Vol 1, Issue 1,pp 282-288, September 2012
- E.Meenachi, G.Selvavinayagam,“Enhancing Security in video copy detection Using Content based Fingerprinting” International Journal of Modern Engineering Research (IJMER), ISSN: 2249-6645, Vol.2. No.4, pp 1747-1753, July 2012
- P.Ananthi, G.Selvavinayagam, “A Lightweight Privacy Preserved Buyer Seller Watermarking Protocol Based on Priced Oblivious Transfer”, International Journal of Scientific and Research Publications, ISSN 2250-3153 Volume 2, Issue 7,pp 1-6, July 2012
- P.S.Santhana Mangai, G.Selvavinayagam, “Steganography in Audio Files by Entropy using FEC as Reed–Solomon of VOIP Streams”, International Journal of Computer Applications ISSN 0975–8887 Volume 49, No.4, July 2012
- R.Gokula Krishnan, G.Selvavinayagam,“A Novel Approach for Touch less Interface”, International Journal of Communications and Engineering, ISSN: 0988-0382E, Vol.1, No.3, pp 155-160, March 2012
- E.Meenachi, G.Selvavinayagam, “Enhancing Security by using Internet Point matching Algorithm in video copy detection System”, Bonfring Journals, ISBN 9781-1675, pp 309-314, Feb 2012
- G.Selvavinayagam , Dr.K.Umamaheswari, “Randomness Evaluation of Cellular Automata Based and Non-Cellular Automata Based PRNGs”, National Journal of Technology, ISSN 0973-1334, Vol.8,No.1,pp 21-25, March 2012
- B.Shanmugapriya, Dr.M.Punithavalli, G.Selvavinayagam , “An Enhanced Projected Clustering Algorithm for High Dimensional Data”, CiIT International Journal of Datamining and Knowledge Engineering, ISSN 0974-9683, Vol.3,No.2,pp 104-109, Jan 2011
- G.Selvavinayagam Preetha.S, Prithika.V, Roshini.RM, Suganya.B, “Doctor Appointment Fixing System”, International Journal of Technical Innovation in Modern Engineering and Science, Vol 5, Mar 2019 ( e-ISSN: 2455-2585)
- , G.Selvavinayagam , “Generating Cryptographic Numbers Using Cellular Automaton”, International Journal of Technical Innovation in Modern Engineering and Science, Vol 5, Mar 2019 ( e-ISSN: 2455-2585)

- , G.Selvavinayagam , Dayana M. Kowsalya N. Anushiya “Smart Bus Pass and Ticket System”, International Journal of Scientific Research and Development, , Vol 8, Issue. Mar 2020 ( e-ISSN: 2321-0613)

#### AS REVIEWER IN INTERNATIONAL JOURNALS

- International Journal of Scientific & Technology Research , ISSN 2277-8616, France
- Journal of Theoretical and Applied Computer Science, ISSN 2299-2634 (Print), ISSN 2300-5653(Online), Poland
- International Journal of Research in Engineering and Technology. ISSN (Online): 2319-1163  
ISSN (Print): 2321-7308, India
- "International Journal of Advanced Scientific Research", ISSN: 2456-0421

#### DETAILS OF THE SEMINARS/CONFERENCE/WORKSHOPS ORGANISED

Name of the Programme	Year	Duration (in days)	Responsibility (Role played)
<b>National level seminar</b> on Green Computing In SNS College of Technology	2013	1	Organizer
<b>National level Technical Conference (NCNICS'12)</b> In SNS College of Technology	2012	1	Coordinator
<b>National level Technical Symposium (Cyberena'09)</b> In PARK College of Engineering Technology	2009	2	Coordinator
<b>National level Technical Symposium (Kentrox'08)</b> In PARK College of Engineering Technology	2008	1	Coordinator
<b>National level Technical Symposium (Kentrox'07)</b> In PARK College of Engineering Technology	2007	1	Coordinator
<b>College Day</b> In PARK College of Engineering Technology	2006	1	Convener
Seven Webinars in PARK College of Engineering Technology in Collaboration with Infosys, Mysore	2007 - 2011	7	Organizer

<b>Educational Fairs Technology</b>	In PARK College of Engineering	2005 - 2011	6	College Representative
<b>ICMR Sponsored National level seminar on Machine Learning in Bioinformatics at KGISL Institute of Technology</b>		2017	2	Coordinator
<b>TNSCST Sponsored Dengue Awareness Programme at KGISL Institute of Technology</b>		2018	1	Coordinator
<b>AU-CFD Sponsored Faculty Development Programme at KGISL Institute of Technology</b>		2019	1	Coordinator

#### DETAILS OF FUNDS RECEIVED

S.NO	FUNDING AGENCY	EVENT CONDUCTED	AMOUNT RECEIVED
1	Indian Council for Medical Research (ICMR), New Delhi	Two Days Workshop	Rs. 40,000
2	Tamilnadu State Council for Science and Technology (TNSCST), Chennai	One Day Awareness Camp	Rs. 15,000
3	Anna University- CFD, Chennai	Six Days Faculty Development Programme	Rs. 25,000

#### MEMBERSHIP IN PROFESSIONAL BODIES

- **Chartered Engineer** (Computer Engineering Division)
- Life Member in Indian Society for Technical Education (ISTE-Membership ID: LM70564)
- Life Member in Institution of Engineers(India) (IEI- Membership ID: M-1687349)
- Member in Computer Science Teachers Association (CSTA – Membership ID: 7983896)
- Member in International Association for Computer Science & Information Technology (IACSIT– Membership ID : 80343682)

- Senior Member in Universal Association of Computer & Electronics Engineers (**UACEE**)
- Membership ID : SNM1004973)
- Member in International Association of Engineers (**IAENG** - Membership ID: 141887)
- Global Member in **ISOC** (Internet SOCIety - Membership ID : 410353)
- Board of Studies Member - **SNS** College of Technology (Autonomous)

#### AWARDS RECEIVED

- TOP 100 **INTERNATIONAL DISTINGUISHED EDUCATOR AWARD 2020** by Green Thinkerz.
- Received Best Innovative Research & Dedicated Educator Award from ISRP-Malaysia
- Selected for **BEST SCIENTIST AWARD 2020** from IMRF

#### AREAS OF INTEREST

- Formal Languages and Automata Theory
- Theory of Computation
- Cryptography and Network Security
- Information Security

#### PERSONAL DETAILS

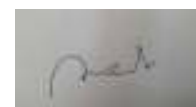
Date of Birth : 04-04-1981  
 Sex : Male  
 Age : 39  
 Marital status : Married  
 Nationality : Indian  
 Religion : Hindu  
 Community : BC  
 Caste : 24 Manai (Telugu) Chettiar  
 Languages known : Tamil, English, Telugu, Malayalam  
 Hobbies : Listening to music and Reading books  
 Strengths : Disciplined, Punctual, Hardworking and Responsible  
 Weakness : Aggressive and Straight Forward

#### DECLARATION

I hereby solemnly declare that all the above furnished details are true and correct to the best of my knowledge and belief.

**Place : Coimbatore**

**Date : 27.02.2022**



[ G. SELVA VINAYAGAM ]