

# Dr.S.SELVAKANI

**Designation:** ASSISTANT PROFESSOR & HEAD/

DEPT OF CS, GOVERNMENT ARTS AND SCIENCE COLLEGE  
ARAKKONAM. (FORMERLY THIRUVALLUVAR UNIVERSITY  
COLLEGE OF ARTS AND SCIENCE, ARAKKONAM)



**Educational Qualification** : MCA., M.Phil., Ph.D

BSc (Physics – Sri Sarada College, Tv) : I Class **82.1** %

MCA (Regular- Dept of CSE, M.S.University): I class (**University Rank - III**) **85.6** %

M.Phil: (MKU) I class (**Distinction**) **80.4** %

**Ph.D Computer Science** – Mother Teresa Women’s University – **August 2011.**

[Guide: Dr.R.S.Rajesh, Reader, MSU, Tirunelveli]

## Awards:

1. **Young Faculty Award**- [Science / Computer][Award code : YFA / F / Sci. / Comp./ VIFFA 2015]
2. **Senior Woman Educator and Scholar award** – **NFED** [SWESA/NFED/WDA-2017/NOM/007]
3. **Best Academic Administrator Award** – **TESFA** – **2017**
4. **Emerging Leader in Science Award** – **HELM** – **2018** [Ref: F. No. AAP-I/2018/E-SCNC848]
5. **Leading Educationalist of India** – **DKIRF** – **2018**
6. **Women Researcher Award** – **VDGOOD** - **2020**

## Rewarded Additional Qualification

- ❖ **The Cambridge International Certificate for Teachers and Trainers: Pass Grade**
- ❖ **Cloud Computing Certification: Pass Grade**
- ❖ **Informal Learning Programme in Student Counselling: O Grade**

**Teaching Experience** : **19 Yrs 07 Months ( UG & PG)**

<i>Institution</i>	<i>Designation</i>	<i>Period</i>	<i>Yrs of Exp</i>
Bharathiar University, Coimbatore.	G Lecturer, Department of Computer Science & Engg.,	26.07.2002 to 14.05.2004	1 yr 10 Mnths
Guru Shree Shantivijai Jain College for women , Chennai – 7	Lecturer, MCA Department	26.05.2004 to 28.05.2007	3 Yrs
SCAD College of Engineering & Technology, Tirunelveli	Asst. Prof, MCA Department	28.05.2007 to 30.06.2008	1 Yr 1 Mnths
PSN Engineering College, Tirunelveli	Asst. Prof, MCA Department	04.07.2008 to 15.11.2008	5 Mnths
Jaya Engineering College, Chennai	Asst. Prof, MCA Department	17.11.2008 to 23.05.2009	8 Mnths
Francis Xavier Engineering College, Tirunelveli (SCAD Group)	Professor & Head, MCA Department	01.07.2009 to 31.07.2015	6 Yrs 1 Mnths
Thiruvalluvar University College of Arts and Science, Arakonnam	Assistant Prof. Computer Science /Computer Appls	14.08.2015 to till date	6 Yrs 3 Mnths

## **Recognized Ph.D Supervisor**

1. Manonmanium Sundaranar University – 09.11.2012
2. Periyar Univeristy – 2.1.2013
3. Bharathiar University – 5.7.2013
4. Mother Teresa Women's University

**Scopus ID: 55578041500**

**ORCID: <https://orcid.org/0000-0002-6845-7563>**

**Google Scholar ID: <https://scholar.google.com/citations?user=mJYC-a4AAAAJ&hl=en>**

**Publon URL: C-4673-2014**

### **Patents: 1**

*Application Number: 320692-001*

*Cbr Number: 15490*

*Cbr Date: 14-08-2019 16:50:13*

*Title: Neck Cushion Based Alert System*

*Applicants Name: Christo Ananth, Dr.S.Selvakani, Dr.R.Latha, Dr.S.Pushpa,  
Dr.R.Kesavan*

*Design Patent Number : 320692-001*

*Patent Office Journal No.40/2019 Dated 04/10/2019, Page: 77*

### **Patents: 2**

*Application Number: 202141007724 A*

*Title: An Artificial Intelligence based system for detection of Breast Cancer and medication  
Dispensing in Human Body*

*Applicants Name: Dr.C.A.Sathiyamoorthy, Dr.A.Manimaran, Dr.Bagyaraj.S,  
Dr.S.Selvakani, Dr. S. Sugumaran, Dr. Mohd Naved, Dr.S.Sivasakthiselvan, ,  
Mr.K.Nithiyantham, Dr.V.Sivasankaran, Mr.V.Venkataramanan, Dr. Hariprasath  
Manoharan , Dr. Pravin. R. Kshirsagar*

*Patent Office Journal No.10/2021 Dated 05/03/2021, Page: 11189*

### **Patents: 3**

*Application Number: 202141016498 A*

*Title: An Efficient Machine Learning Model to Study the pattern of Genes in Diabetic  
Patients*

*Applicants Name: Dr. C. A. Sathiyamoorthy , Dr.T S. Sivakumaran, Mr. A. Clement Raj,  
Dr. S. Selvakani, Dr. J. Sofia bobby, Mrs. C.L. Annapoorani, Mr. Siripurikiran, Dr. H.  
Lilly Beaulah, Dr.Avadhoot D.Poi, Dr. A. Manickam*

*Patent Office Journal No. 17/2021 Dated 23/04/2021, Page: 20473*

## **Patents: 4**

*Application Number: 202141028010 A*

*Title: A Method for Detection of Diabetic Retinopathy Using an Interference System*

*Applicants Name: S Selvakani, S.Venkatasubramanian, Karthikeyan Kaliyaperumal,*

*M.Amudhan, B.R.Tapas Babu, SK Hasane Ahammad, N.Renee Segrid Reddiar,*

*The Patent Office Journal No. 28/2021 Dated 09/07/2021, Page: 30767*

## **Orientation Programme Attended:**

1. *Orientation Programme (28 days) Organised by UGC – HRDC Madras University on 07.11.2017 to 04.12.2017 with A Grade.*

## **Refresher Programme Attended**

1. *Refresher Programme (21 days) Organised by UGC – HRDC Bharathiar University, Coimbatore on 13.02.2019 to 05.03.2019 with A Grade*
2. *Refresher Programme (14 days) Organised by UGC – HRDC Bharathidasan University, Trichy on 22.09.2021 to 05.10.2021 with A Grade.*

## **PUBLICATIONS: 120 papers**

### **Publications in International Journals(41)**

1. *S.Selvakani, R.S Rajesh, “Feature Selection for Intrusion Detection Using KDD Data Set”, **International Journal of Engineering and Technology(India)**, vol 1, no.1, pp 44-49, April 2007. ISSN/ ISBN No. 0973-087x*
2. *S.Selvakani, R.S Rajesh, “Genetic Algorithm for framing rules for Intrusion Detection”, **International Journal of Computer Science and Network Security (Korea)**, Vol 7, No.11, November 2007. ISSN/ ISBN No. 1738-7906*
3. *S.Selvakani, R.S Rajesh, “Improving ID performance using GA and NN” **Int. J. Computer Aided Engineering and Technology (Germany)**, Vol. 1, No. 1, pp 81-93, November 2008. ISSN/ ISBN No. 1757-2665*
4. *S.Selvakani, R.S Rajesh, “Desegregated ID Execution using Genetic Algorithm”, **International Journal of Engineering and Technology (Singapore)**, Vol.1, No.1, PP.45-49, April 2009.. ISSN/ ISBN No. 1793-8244*
5. *S.Selvakani, R.S Rajesh, “Escalate Intrusion Detection using GA - NN, **International Journal of Open problems in Computer Science and Mathematics (Saudi Arabia)**, Vol.2, No.2, PP.272 - 284, June 2009. ISSN/ ISBN No. 1998-6222*
6. *S.Selvakani, R.S Rajesh, “Integrated Intrusion Detection System Using SCT”, **International Journal of Computer and Network Security (Singapore)**, Vol.1, No.2, PP.128-133, November 2009.. ISSN/ ISBN No. 2076-2739*

7. **S.Selvakani, R.S Rajesh**, “*Integrated Intrusion Detection System Using Soft Computing*”, *International Journal of Network Security (Taiwan)*, Vol.10, No.2, PP.87-92, March 2010. ISSN/ ISBN No. 1816-3548
8. **S.Selvakani, R.S Rajesh**, “*A Mutual Construction for IDS Using GA*”, *International Journal of Advanced Science and Technology (Korea)*, Vol.29, April 2011. ISSN/ ISBN No. 2005-4238

### **After Ph.D(33)**

9. **S.Selvakani, S.Princy Suganthi Bai**, “*An Advanced Efficient Secured Blind Authentication and Verification Crypto Protocol*”, *International Journal of Future Generation Communication and Networking (Korea)*, Vol.4, No. 3, September 2011. ISSN No: 2233 – 7857.
10. **S.Selvakani, R.S Rajesh**, “*A Genetic Algorithm Based elucidation for improving Intrusion Detection through condensed Feature Set by KDD 99 data set*”, *International Journal of Information and Knowledge Management (United States)*, Vol.1, No.1, November 2011. ISSN: 2224-5758 (Print), ISSN: 2224-896X (Online)
11. **S.Selvakani, R.S Rajesh**, “*A Frame of Intrusion Detection Learning System Utilizing RBF*”, *International Journal of Modern Education and Computer Science (United States)*, Vol.3, No 6, December 2011. ISSN: 2075-0161 (Print), ISSN: 2075-017X (Online)
12. **S. Selvakani, N.Sureshkumar**, “*Wireless Mesh Network: A Complete Mobile Security Architecture using Client and Server driven Protocols*”, *In Proceedings of the 3<sup>rd</sup> International Conference on Computing, Communication and Networking Technologies*, SSN College, Coimbatore, July 26, 28, 2012. (Published in IEEE Explorer)
13. **S.Selvakani, N.Sureshkumar**, “*Investigational Security Structural Design Using Client and Server Ambitious Protocols for WMN*”, *International Journal of Dharshan Institute of Engineering Research and Emerging Technologies (India)*, Vol.1, No 1, January 2013. ISSN: 2320-7590 (Print)
14. **S.Selvakani, R.Pearline Ranjana**, “*Curtailing Electronic waste and its Recycling Techniques, a Survey*”, *International Journal of Dharshan Institute of Engineering Research and Emerging Technologies (India)*, Vol.1, No 1, January 2013. ISSN: 2320-7590 (Print).
15. **S.Selvakani, S.Subha**, “*Optimizing Bandwidth using Resource Management Scheme for Live-Video Streaming*”, *International Journal of Dharshan Institute of Engineering Research and Emerging Technologies (India)*, Vol.3, No 3, May 2014. ISSN: 2320-7590 (Print).

16. **S.Selvakani, J.Nelson**, "A Survey for Network I/O Virtualization in Cloud Computing", *Journal of Computer Communication and Networks (India)*, Vol.1, No 1, pp. 1-7 April 2015.
17. **S.Selvakani, N.Sureshkumar**, "Investigational Security Structural Design Using Client and Server Ambitious Protocols for WMN", *International Journal of Informatics and Communication Technology (Indonesia)*, Vol.4, No 1, pp. 13-22, April 2015. **ISSN: 22520-8776 (Print)**
18. **S.Selvakani, P.Jebaraj**, "Maintaining Energy in Wireless Rechargeable Sensor Networks using RFID Readers", *Journal of Computer Communication and Networks(India)*, Vol.1, No 1, pp. 8-13 April 2015.
19. **S.Selvakani, J.Nelson**, "Enriching Packet Aggregation Mechanism Based on Cloud Services I/O Virtualization", *International Journal of Applied Engineering Research (India)*, Vol 10, No 9, pp. 22651-22662 June 2015. **ISSN 0973-4562**
20. **S.Selvakani, K.Vasumathi**, "A Survey on Big Data", *International Journal of Innovative Research in Computer Science and Engineering (Australia)*, Vol 2 ,No5, pp. 16 - 21 May 2016. **ISSN NO: 2394 - 6364**
21. **S.Selvakani, R.S Rajesh**, "Perfection of Intrusion Detection Using Correlation, Genetic Algorithm, Radial Basis Function", *International Journal of Computing and Informatics (Malaysia)*, Vol 1, No.3, pp.109-118 August 2016. **ISSN: 2502 – 2334.**
22. **S.Selvakani, Christo Ananth, K.Vasumathi**, "An Efficient Privacy Preservation in Vehicular Communications Using EC-Based Chameleon Hashing", *Jour of Adv Research in Dynamical & Control Systems(califonia)*, 15-Special Issue, pp. 787 – 792 December 2017. **ISSN NO: 1943 023X.**
23. **S.Selvakani, Christo Ananth, G.Arul Dalton**, "An Efficient Cooperative Media Access Control Based Relay Node Selection In Wireless Networks", *International Journal of Pure and Applied Mathematics*, Volume 118 No. 5 2018, pp. 659-668, **ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version).**
24. **S.Selvakani, M.Ajith**, "Finding Land Counterfeit and Dark Money Rotation Using Data Analytics", *International Journal of Business Intelligence & Innovations (India)*, 15-Special Issue, pp. 178 - 184 September 2018. **ISSN NO: 2348 4705.**
25. **S.Selvakani, Ms.A.Sivasankari, Mrs.N.Sindhuja.**, "Automated health care management system using big data technology", *International Research Journal of Engineering and Technology – IRJET (India)*, Volume: 06, Issue: 04, S.No.1161 pp. 3674 – 3679, Apr 2019, **e-ISSN: 2395-0056, p-ISSN: 2395-0072**
26. **S.Selvakani, K.Vasumathi, E.Yamini**, "Enhanced Content Development Form Headed for

- Knowledge Discovery from Citation Network*”, **International Journal of Research and Analytical Reviews (IJRAR) (India)**, Vol 6, Issue 2, pp. 452 – 457, June 2019, E-ISSN 2348-1269, P- ISSN 2349-5138, (UGC referred)
27. **S.Selvakani, K.Vasumathi, M.Harikaran**, “Web based Online Crime reporting system using ASP.Net”, **International Journal of Innovative Technology and Exploring Engineering - IJITEE(India)** , Vol 8 , Issue 10, pp. 1220 – 1224, August 2019, .ISSN NO: 2278 – 3075, (UGC Care List 2019, Scopus Indexed)
28. **S.Selvakani, K.Vasumathi, K.Maheswari**, “Attribute Based Encryption with Efficient Verifiable Outsourced Decryption”, **Science, Technology and Development (India)**, Vol 8 , Issue 8, .pp. 99 – 106, August 2019, .ISSN NO: 0950-0707, (UGC Care List 2019)
29. **S.Selvakani, K.Vasumathi, M.Ajith**, “Predicting the Crimes Based On the Weather Using Pyspark”, **International Journal of Engineering and Advanced Technology -IJEAT (India)** , Vol 8 , Issue 6 .pp. 885 – 890, August 2019, .ISSN NO: 2249 – 8958 , (UGC Care List 2019, Scopus Indexed).
30. **S.Selvakani, S.Thamarai Selvi, G.Kalaimurugan**, “Trans-disciplinary Research on Outcome based Learning Analytics for Gainful Employment” **11th International Conference on Advanced Computing (ICoAC), IEEE Explorer**, pp.433-437, 2019
31. **S.Selvakani, K.Vasumathi, P.Ajithkumar**, “Evolving age correlated bias in Sentiment analysis by means of embedding”, **GEDRAG & ORGANISATIE REVIEW (Netherlands)** , Vol 33 , Issue 2 , pp. 377 – 388, April 2020, .ISSN NO: 0921-5077, (UGC Care List 2020 Group II Web of Science, Scopus Indexed).
32. **S.Selvakani, K.Vasumathi, M.Krishnaveni**, “Discovery of Malicious node in RPL-Based IoT through Attribution”, **Aut Aut Research Journal (Italy)** , Vol 11 , Issue 4 , pp. 318 – 324, April 2020, ISSN NO: 0005-0601, (UGC Care List 2020 Group II Web of Science).
33. **S.Selvakani, K.Vasumathi, G.Divya**, “Complication Risk Profiling in Diabetes Care using Bayesian Learning Approach”, **JES Journal of Engineering Sciences (Saudi Arabia)** , Vol 11 , Issue 4 , pp. 1470 – 1476, April 2020, ISSN NO: 0377-9254, (UGC Care List 2020 Group II Web of Science).
34. **S.Selvakani, K.Vasumathi, M.Krishnaveni**, “Privacy Preserving Distributed Profile Matching In Proximity Based Mobile Social Networks”, **Mukt Shabd Journal (India)** , Vol 9 , Issue 5 , pp. 1 – 6, May 2020, ISSN NO: 2347-3150, (UGC Care List 2020 Group II Web of Science).
35. **S.Selvakani, K.Vasumathi, S.Sumithradevi**, “A Scalable Approach to Joint Cyber Insurance and Security-as-a-Service Provisioning in Cloud Computing”, **Strad Research (United Kingdom)**, Vol 7 , Issue 6 , pp. 194 – 199, June 2020, ISSN NO: 0039-2049, (UGC Care List 2020 Group II Web of Science).



36. **S.Selvakani, K.Vasumathi, R.Anitha**, “Secure Online Banking System using Cryptography Techniques”, *Strad Research (United Kingdom)*, Vol 8 , Issue 3 , pp. 242 – 251, March 2021, ISSN NO: 0039-2049, (UGC Care List 2021 Group II Web of Science).
37. **S.Selvakani, K.Vasumathi, A.Kavitha**, “SDN based Distributed Denial of Service Attack”, *International Journal of Recent Research and Applied Sciences – IJRRAS (India)*, Volume 8, Issue 3(5) March 2021. ISSN NO: 2349 – 4891.
38. **S.Selvakani, K.Vasumathi, N.Meena**, “Wireless Sensor Networks based on Cluster Routing Techniques using Mobile Sink”, *Aut Aut Research Journal (Italy)* , Vol 12 , Issue 3 , pp. 213 – 216, March 2021, ISSN NO: 0005-0601, (UGC Care List 2021 Group II Web of Science).
39. **S.Selvakani, K.Vasumathi, T.Vijayalakshmi**, “Secrecy Conserving Single-keyword and Multi-keyword Exploration using encrypted DCSD”, *Mukt Shabd Journal (India)* , Vol 10 , Issue 3 , pp. 770 – 774, March 2021, ISSN NO: 2347-3150, (UGC Care List 2021 Group II Web of Science).
40. **S.Selvakani, K.Vasumathi, R.Anitha, N.Meena**, “Vulnerable Online Banking System Expending Cryptography Techniques”, *GIS Science Journal (China)* , Vol 8 , Issue 4 , pp. 562 – 577, April 2021, ISSN NO: 1869-9391, (UGC Care List 2021 Group II SCOPUS).
41. **S.Selvakani, K.Vasumathi, T.Vijayalakshmi, A.Kavitha**, “Attack in SDN Based Distributed Denial of Service”, *Asian Journal of Engineering and Applied Technology (India)*, Vol. 10, Issue 1, pp – 38-44 , June 2021, ISSN NO: 2249-068X

### **Publications in National Journals (2)**

1. **S.Selvakani, S.Thamarai Selvi**, “Six Sigma Approach for improving Engineering Education in Rural Technical Institutions” *The Indian Journal of Technical Education*, vol.26, No3, pp 43-51, July-Sept 2003. ISSN/ ISBN No. 0971-3034
2. **S.Selvakani, R.S Rajesh**, “Genetic Algorithm For Framing Rules In Intrusion Detection”, *Indian Journal Of Information Science And Technology*, vol 7 No 3, pp 1-14, November 2008. ISSN/ ISBN No. 0973-3817

### **Paper Presented in International Conference(38)**

1. **S.Selvakani, R.S Rajesh**, “Improved Technique for Intrusion Detection using Optimized Fitness Function”, *In Proceedings of the International Conference on computer Forensics and Security*, SRM Deemed University, December 2006.
2. **S. Selvakani, N.Sureshkumar**, “Wireless Mesh Network: A Complete Mobile Security Architecture using Client and Server driven Protocols”, *In Proceedings of the 3<sup>rd</sup>*

- International Conference on Computing, Communication and Networking Technologies, SSN College, Coimbatore, July 26, 28, 2012.*
3. **S. Selvakani, K. Sri Sakthi Gomathi, N. Sankara Gomathy**, “3D Teleconferencing System- Aspects, Issues, State-of-the-art, ”, *In Proceedings of the International Conference on Communication, Computing and Information Technology, MOP Vaishnav College for Women, Chennai, December 21,22, 2012.*
  4. **S. Selvakani, S.M.Lavanya**, “Comparative study of Symmetric and Asymmetric Algorithms”, *In Proceedings of the International Conference on Communication, Computing and Information Technology, MOP Vaishnav College for Women, Chennai, December 21,22, 2012.*
  5. **S. Selvakani, R.Pearline Ranjana, P. Thabithal**, “Curtailling Electronic waste and its Recycling Techniques, a Survey”, *In Proceedings of the International Conference on Communication, Computing and Information Technology, MOP Vaishnav College for Women, Chennai, December 21,22, 2012.*
  6. **S. Selvakani, F. Grace Ashmi**, “Integrated Approach of Six Sigma in the Meadow of Software Engineering”, *In Proceedings of the International Conference on Communication, Computing and Information Technology, MOP Vaishnav College for Women, Chennai, December 21,22, 2012.*
  7. **S. Selvakani, K. Parvath Suman, J.Anciline Jenifer**, “Vulnerability of Electronic waste: The looming confront and its therapy”, *In Proceedings of the International Conference on Communication, Computing and Information Technology, MOP Vaishnav College for Women, Chennai, December 21,22, 2012.*
  8. **S. Selvakani, P. Asha Devi, S.Sivapriya**, “Security Issues in Wireless Sensor Networks Data Gathering Protocols – A Survey”, *In Proceedings of the International Conference on Communication, Computing and Information Technology, MOP Vaishnav College for Women, Chennai, December 21,22, 2012.*
  9. **S. Selvakani, B.Renuga, S.Jasmine**, “Security Issues in Wireless Sensor Networks”, *In Proceedings of the International Conference on Advanced Computing, Sri Sarada College for Women, Tirunelveli, January 21, 2014.*
  10. **S. Selvakani, P.Jency Jeno, P.Devi Vigneshwari**, “Applying Intrusion Detection Systems to Wireless Sensor Networks”, *In Proceedings of the International Conference on Advanced Computing, Sri Sarada College for Women, Tirunelveli, January 21, 2014.*
  11. **S. Selvakani, K.Subha**, “A resource management system for Live video streaming on Public shared Network”, *In Proceedings of the Inter National Conference on Engineering Applications ICEA, Department of Computer Science and Engineering, Sardar Raja College of Engineering, Alangulam, 3<sup>rd</sup> April 2014.*



12. **S. Selvakani, J.Nelson**, “Enriching I/O Virtualization For cloud computing using Packet Aggregation”, **In Proceedings of the Inter National Conference on Recent Innovations on Engineering Technology, RIET - 15, Department of CSE, Travaoncore college of engineering Kollam, 26<sup>th</sup> and 27<sup>th</sup> February 2015.**
13. **S. Selvakani, J.Nelson**, “Enriching Network I/O Virtualization For cloud computing for Packet Aggregation Mechanism”, **In Proceedings of the Inter National Conference on Information, Computation and Communcation Engineering ICIC<sup>2</sup>-2015, Department of CSE, ECE,IT & MCA, ,Kalaingar Karunanidhi Institute of Technology, Coimbatore, 6<sup>th</sup> and 7<sup>th</sup> March 2015.**
14. **S. Selvakani, M.Gowthami**, “Secure Data Transmission for Cluster based Wireless Sensor Networks using SET – IBS and SET - IBOOS”, **In Proceedings of the Inter National Conference on Recent trends in Information and Communcation Engineering ITICE 15, Department of Information Technology, Jayaraj Annapackiam CSI College of Engineering, Nazareth, 27<sup>th</sup> March 2015.**
15. **S. Selvakani, P.Jebaraj**, “A New Approach for Maintaining Energy in Wireless Rechargeable Sensor Networks”, **In Proceedings of the Inter National Conference on Recent trends in Information and Communcation Engineering ITICE 15, Department of Information Technology, Jayaraj Annapackiam CSI College of Engineering, Nazareth, 27<sup>th</sup> March 2015.**
16. **S. Selvakani, G.Jeeva**, “A Fast and Flexible Technique for Shortest Path Computing based on FEM Framework”, **In Proceedings of the Inter National Conference on Recent trends in Information and Communcation Engineering ITICE 15, Department of Information Technology, Jayaraj Annapackiam CSI College of Engineering, Nazareth, 27<sup>th</sup> March 2015.**
17. **S. Selvakani, S.Sugi**, “Dos – resistant data discovery and dissemination using SEDrip Protocol based on hash tree for wireless sensor networks”, **In Proceedings of the Inter National Conference on Recent trends in Information and Communcation Engineering ITICE 15, Department of Information Technology, Jayaraj Annapackiam CSI College of Engineering, Nazareth, 27<sup>th</sup> March 2015.**
18. **S. Selvakani, K.Vasumathi**, “Big data - A Survey” , **In Proceedings of the Inter National Conference on Recent trends in Computer Science and Digital Technology, ICCSDT 15, Department of Computer Applications Science and Information Technology, Guru shree Shantivijai Jain College for Women, Chennai, 26 November 2015.**
19. **S. Selvakani, J.Ajith, K.Karthick**, “Challenges in Android Development” , **In Proceedings of the Inter National Conference on Trends in Computational Research, ICTCT 18,**

*Department of Computer Science, Thiruvalluvar University Model Constituent College of Arts and Science, Thennagur, 19-20 January 2018.*

20. **S. Selvakani, J.Ajith, K.Vasumathi**, “Predicting The Crimes Based On The Weather Using Pyspark”, **International Conference On Recent Trends In Computer And Communication Technology**, Francis Xavier Engineering College, Vannarpettai, Tirunelveli, 14 &15 March 2019.
21. **S.Selvakani, P.Ajithkumar**, ” Developing age related bias in Sentiment analysis using embedding” **In proceedings of International Conference on Emerging trends in Application of Computing (ICETAC`20)**, Organized by the Department of Computer Science and Engineering, Francis Xavier Engineering College, Tirunelveli, 6thmarch,2020.
22. **S.Selvakani, D.Alexander**, Authentication by Encrypted Negative Password” **In proceedings of International Conference on Emerging trends in Application of Computing (ICETAC`20)**, Organized by the Department of Computer Science and Engineering, Francis Xavier Engineering College, Tirunelveli, 6thmarch,2020.
23. **S.Selvakani, M.Natarajan**, “Search Rank Fraud and Malware Detection in Google Play” **In proceedings of International Conference on Emerging trends in Application of Computing (ICETAC`20)**, Organized by the Department of Computer Science and Engineering, Francis Xavier Engineering College, Tirunelveli, 6thmarch,2020.
24. **S.Selvakani, M.Krishnaveni**, “Discovery of Malicious Node In RPL-Based Lot Through Attribution” **In proceedings of International Conference on Emerging trends in Application of Computing (ICETAC`20)**, Organized by the Department of Computer Science and Engineering, Francis Xavier Engineering College, Tirunelveli, 6thmarch,2020.
25. **S.Selvakani, G.Divya**, “Completion Risk Profiling In Diabetes Care using Bayesian Learning Approach” **In proceedings of International Conference on Emerging trends in Application of Computing (ICETAC`20)**, Organized by the Department of Computer Science and Engineering, Francis Xavier Engineering College, Tirunelveli, 6thmarch,2020.
26. **S.Selvakani, A.S.Anitha**, “Privacy Characterization and Quantification in Data Mining” **In proceedings of International Conference on Recent trends in Application of Computing (ICETAC`20)**, Organized by the Department of Computer Science and Engineering, Francis Xavier Engineering College, Tirunelveli, 6thmarch,2020.
27. **S.Selvakani, K.Vasumathi, R.Anitha**, “Secure Online Banking System using Cryptography Techniques” **In proceedings of Virtual International Conference on Recent trends in Multi-Disciplinary Research (ICRTMDR 2021)**, Organized by The Internal Quality Assurance Cell (IQAC), A.P.C Mahalakshmi College for Women, Thoothukudi, 8<sup>th</sup> and 9<sup>th</sup> April 2021.

28. **S.Selvakani, K.Vasumathi, T.Vijayalakshmi**, “*Secrecy Conserving Single-Keyword and Multi-Keyword Exploration Using Encrypted*” **In proceedings of Virtual International Conference on Recent trends in Multi-Disciplinary Research (ICRTMDR 2021)**, Organized by The Internal Quality Assurance Cell (IQAC), A.P.C Mahalakshmi College for Women, Thoothukudi, 8<sup>th</sup> and 9<sup>th</sup> April 2021.
29. **S.Selvakani, K.Vasumathi, N.Meena**, “*Wireless Sensor Networks Based on Cluster Routing Techniques Using Mobile Sink*” **In proceedings of Virtual International Conference on Recent trends in Multi-Disciplinary Research (ICRTMDR 2021)**, Organized by The Internal Quality Assurance Cell (IQAC), A.P.C Mahalakshmi College for Women, Thoothukudi, 8<sup>th</sup> and 9<sup>th</sup> April 2021.
30. **S.Selvakani, K.Vasumathi, A.Kavitha**, “*SDN based Distributed Denial of Service Attack*” **In proceedings of Virtual International Conference on Recent trends in Multi-Disciplinary Research (ICRTMDR 2021)**, Organized by The Internal Quality Assurance Cell (IQAC), A.P.C Mahalakshmi College for Women, Thoothukudi, 8<sup>th</sup> and 9<sup>th</sup> April 2021.
31. **S.Selvakani, K.Vasumathi, S Devishreevani**, “*Execution Of Fault Complaisant Of Cluster Manager*”, **In proceedings of Two days International Virtual conference on “Recent Trends and Techniques in Computing (RTTC 202)”**, Organized by the Department of Computer Science, Thiruvalluvar University, Serkkadu, 16<sup>th</sup> and September 2021.
32. **S.Selvakani, K.Vasumathi, M.Janani** , “*Fake Profile Founding in Social Media Using Application and Natural Language Processing*”, **In proceedings of Two days International Virtual conference on “Recent Trends and Techniques in Computing (RTTC 202)”**, Organized by the Department of Computer Science, Thiruvalluvar University, Serkkadu, 16<sup>th</sup> and September 2021.
33. **S.Selvakani, K.Vasumathi, K.Sivanandam**, “*Patients Glucose Data Analysis*”, **In proceedings of Two days International Virtual conference on “Recent Trends and Techniques in Computing (RTTC 202)”**, Organized by the Department of Computer Science, Thiruvalluvar University, Serkkadu, 16<sup>th</sup> and September 2021.
34. **S.Selvakani, K.Vasumathi, M.Balaji**, “*Recent Trends In Energy Efficient Cloud Computing*”, **In proceedings of Two days International Virtual conference on “Recent Trends and Techniques in Computing (RTTC 202)”**, Organized by the Department of Computer Science, Thiruvalluvar University, Serkkadu, 16<sup>th</sup> and September 2021.
35. **S.Selvakani, K.Vasumathi, R.sundari**, “*Recent Trends in Architectural Model for FOG*”, **In proceedings of Two days International Virtual conference on “Recent Trends and Techniques in Computing (RTTC 202)”**, Organized by the Department of Computer Science, Thiruvalluvar University, Serkkadu, 16<sup>th</sup> and September 2021.

36. **S.Selvakani, K.Vasumathi, R.Gnanaprakasam**, “Edge Computing and its Evolution”, **In proceedings of Two days International Virtual conference on “Recent Trends and Techniques in Computing (RTTC 202)”**, Organized by the Department of Computer Science, Thiruvalluvar University, Serkkadu, 16<sup>th</sup> and September 2021.
37. **S.Selvakani, K.Vasumathi, S.Gnanasoundar**, “Combination Filtering Reference System A Framework In Grand Open Online Courses”, **In proceedings of Two days International Virtual conference on “Recent Trends and Techniques in Computing (RTTC 202)”**, Organized by the Department of Computer Science, Thiruvalluvar University, Serkkadu, 16<sup>th</sup> and September 2021.
38. **S.Selvakani, K.Vasumathi, Jansi Rani S**, “Different Stage Frame Work With Context Info Merging And Monitoring Structure For Skin Lesion Segmentation”, **In proceedings of Two days International Virtual conference on “Recent Trends and Techniques in Computing (RTTC 202)”**, Organized by the Department of Computer Science, Thiruvalluvar University, Serkkadu, 16<sup>th</sup> and September 2021.

#### **Paper Presented in National Conferences(39)**

39. **S.Selvakani, S.Thamarai Selvi, K.Sarukesi, R.Murugesan**,” Six Sigma approach for Quality improvement for computer studies in Hr Sec School”, **In Proceedings of the National Conference on IT Enabled Product Development Strategies**, PSG College of Technology, Coimbatore, August 2003.
40. **S.Selvakani**, “Mobile agent based INTRUSION DETECTION using BPN Model”, **In Proceedings of the National Conference on Intelligent and Efficient Electrical Systems**, PSG College of Technology, Coimbatore, June 2005.
41. **S.Selvakani**, “INTRUSION DETECTION using Data mining Adaptive Clustering”, **In Proceedings of the National Conference on Recent trends in Advanced Computing**, Manonmanium Sundaranar University, February 2006.
42. **S.Selvakani, A. Meenakshi Nathan**, “A Collaborative Architecture for IDS Using Genetic Algorithm”, **In Proceedings of the National Conference on Crypt Analysis Techniques in Computer Hacking**, organized by Einstein College of Engineering, Tirunelveli on 18 & 19<sup>th</sup> February 2011.
43. **S. Selvakani, D.Stanley, A. Christin Alex**, “A frame of IDS Utilizing Radial Basic Function”, **In Proceedings of the National Conference on Emerging Technologies**, Anna university of Technology, Tirunelveli, May 2011.
44. **S. Selvakani, A. Thangam @ Kiruthika, G.Sethu Meena**, “Basic Cloud Computing Stacks and Services”, **In Proceedings of the National Conference on Grid Computing and**

- Applications*, , KLN College of Engineering and Technology Pottapalayam, Sivagangai, September 2011.
45. **S. Selvakani, A. Thangam @ Kiruthika, G.Sethu Meena**, “A Cloud Computing Practices in the Grid Environment”, **In Proceedings of the National Conference on Recent Trends in Computer Technologies**, Jaya Engineering College, Chennai, October 2011.
  46. **S. Selvakani, K.Subha, T.Subha of I MCA**, “Implementation of Image Processing Algorithm on FPGA”, **In Proceedings of the National Conference on Computational Intelligent Techniques and Their applications to Smart Sensor Systems**, Francis Xavier Engineering College, Tirunelveli, December 2011.
  47. **S. Selvakani, A.Mahalakshmi, Grace Ashmi of I MCA**, “Concepts, Challenges and Opportunities of Cloud Computing”, **In Proceedings of the National Conference on Computational Intelligent Techniques and Their applications to Smart Sensor Systems**, Francis Xavier Engineering College, Tirunelveli, December 2011.
  48. **S. Selvakani, A. Thangam @ Kiruthika, G.Sethu Meena**, “ Cloud Computing Stack, Providers and Barriers”, **In Proceedings of the National Conference on Crypt Analysis Techniques in Computer Hacking**, Einstein College of Engineering, Tirunelveli, March 2012.
  49. **S. Selvakani, R.Pearline Ranjana, K.Parvath Suman**, “Android Mobile Terminals: Surveillance of Employee Misbehaviour”, **In Proceedings of the National Conference on Crypt Analysis Techniques in Computer Hacking**, Einstein College of Engineering, Tirunelveli, March 2012.
  50. **S. Selvakani, S. Ani Sharmy**, “Cloud computing in peer to peer network for secure and dependable storage services”, **In Proceedings of the National Conference on Emerging trends & Challenges in Information Technology**, Bethlahem Institute of Engineering, Kanyakumari, March 2012.
  51. **S. Selvakani, N.Sureshkumar**, “Wireless Mesh Network: A Complete Mobile Security Architecture using Client and Server driven Protocols”, **In Proceedings of the National Conference on Trends in Electronics, Instrumentation, Embedded system & Automation**, Karunya University, Coimbatore, March 2012.
  52. **S. Selvakani, R.Pearline Ranjana, K.Parvath Suman**, “Android Mobile Terminals: Surveillance of Employee Misbehaviour”, **In Proceedings of the National Conference on Trends in Electronics, Instrumentation, Embedded system & Automation**, Karunya University, Coimbatore, March 2012.
  53. **S. Selvakani, M.S. Kajamohideen**, “Protection and Efficient key management systems in Mobile ADHOC Networks”, **In Proceedings of the National Conference on Computer Science and Informatics – NCCSJ12**, Department of Computer Science and Engineering

- and Department of Computer Applications, Anna University of Technology, Madurai, April 2012.*
54. **S. Selvakani, A. Thangam @ Kiruthika, G.Sethu Meena**, “Cloud Computing Stack and Industry Takeways”, *In Proceedings of the National Conference on Computer Science and Informatics – NCCSJ12, Department of Computer Science and Engineering and Department of Computer Applications, Anna University of Technology, Madurai, April 2012.*
  55. **S. Selvakani, M.Vikram, R.Karthikeyan**, “A Hybrid Channel Allocation Algorithm Per Throughput Improvement in Wireless Mesh Network”, *In Proceedings of the National Conference on Computer Science and Informatics – NCCSJ12, Department of Computer Science and Engineering and Department of Computer Applications, Anna University of Technology, Madurai, April 2012.*
  56. **S. Selvakani, N.Muthu Divya, P. Rajeswari**, “Lightweight PKI for WSN  $\mu$ PKI”, *In Proceedings of the National Conference on Emerging Challenges and Future Prospects in Computer Science and Applications, Department of Computer Applications, St. Xavier’s College(Autonomous),Tirunelveli, February 2013.*
  57. **S. Selvakani, A. Vanitha, D. Josephin Pelcy**, “Energy Efficient Opportunistic Routing in Wireless Sensor Networks”, *In Proceedings of the National Conference on Emerging Challenges and Future Prospects in Computer Science and Applications, Department of Computer Applications, St. Xavier’s College(Autonomous),Tirunelveli, February 2013.*
  58. **S. Selvakani, S.M.Lavanya, K.Christy Bai**, “Comparative Study of symmetric and asymmetric algorithms using DES and AES Algorithm”, *In Proceedings of the National Conference on Computing Intelligence and Applications, St. Xavier’s Catholic College of Engineering,Nagarcoil, April 2013.*
  59. **S. Selvakani, N.Muthu Divya, P. Rajeswari**, “Lightweight PKI for WSN  $\mu$ PKI”, *In Proceedings of the National Conference on Computing Intelligence and Applications, Department of Computer Applications, St. Xavier’s Catholic College of Engineering,Nagarcoil, April 2013.*
  60. **S. Selvakani, P.Sankareswari, N.Jeyalakshmi**, “Wireless sensor networks simulation tools”, *In Proceedings of the National Conference on Computing Intelligence and Applications, Department of Computer Applications, St. Xavier’s Catholic College of Engineering,Nagarcoil, April 2013.*
  61. **S. Selvakani, J.Radthees Koil Christopher, V.Karthikeyan**, “Wireless Sensor Networks, Design Issues, Services”, *In Proceedings of the National Conference on Computing Intelligence and Applications, Department of Computer Applications, St. Xavier’s Catholic College of Engineering,Nagarcoil, April 2013.*

62. **S. Selvakani, C.Nagalakshmi**, “Image Analysis and retrieval by Textural Similarity”, **In Proceedings of the National Conference on RACCE, Department of Computer Science and Engineering**, Mar Ephraem College of Engineering and Technology, Nagarcoil, 14<sup>th</sup> March 2014.
63. **S. Selvakani, K.Subha**, “Optimizing Bandwidth using Resource Management Scheme for live video streaming”, **In Proceedings of the National Conference on Emerging innovations in computing sciences and applications, Department of Applications**, Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, 25<sup>th</sup> April 2014.
64. **S. Selvakani, R.S.Sivasakthi**, “Learning Automata for Vehicle Path – A Survey”, **In Proceedings of the National Conference on High Performance Computing, Department of Computer Science and Engineering**, Government College of Engineering, Tirunelveli, 9<sup>th</sup> April 2015..
65. **S. Selvakani, M.Anto Shoba**, “A Survey MAC Layer Channel Access in Mesh Network”, **In Proceedings of the National Conference on Advances in Intelligent Computing, Department of Computer Science and Engineering**, Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, 10<sup>th</sup> April 2015.
66. **S. Selvakani, K.Sareba**, “A Survey of Cloud Computing Based Forensic Analysis for massive mobile applications using Data Mining”, **In Proceedings of the National Conference on Advances in Intelligent Computing, Department of Computer Science and Engineering**, Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, 10<sup>th</sup> April 2015.
67. **S.Selvakani, K.Vasumathi**, “A Comparative study on Big data Cleaning and Visualization Techniques”, **In proceedings of National Conference on Internet of Things – The current trends in connected world**, PG Department of Computer Science, Thiruvalluvar University Model College of Arts and Science, Tiruvennainallur, 31<sup>st</sup> January 2018.
68. **S. Selvakani, J.Ajith**, “Encounters in Android Development” , **In Proceedings of the National Conference on Recent Trends in Computer Science, Applications and Engineering, NCRTCAE- 18, Department of Computer Science and Applications**, Thiruvalluvar University Constituent College of Arts and Science, Arakkonam, 8<sup>th</sup> February 2018.
69. **S. Selvakani, F.Sheeba Merline, K.Vanitha**, “Demystifying Cloud Data for effective Disaster Management” , **In Proceedings of the National Conference on Recent Trends in Computer Science, Applications and Engineering, NCRTCAE- 18, Department of Computer Science and Applications**, Thiruvalluvar University Constituent College of Arts and Science, Arakkonam, 8<sup>th</sup> February 2018.
70. **S.Selvakani, M.Ajith**, “Finding Land Counterfeit and Dark Money Rotation Using Data Analytics”, **In proceedings of National Conference on Innovative Information**



*Technologies, Department of Computer Science, Computer Applications & Software Applications, Thiruthangal Nadar College, Chennai, 19<sup>th</sup> September 2018.*

71. **S.Selvakani, M.Ajith, K.Vasumathi**, “A Comparative study on Big data Analytics Open Source Software Tools”, **In proceedings of National Conference on Innovative Computing and Communication**, Department of Computer Science, in association with ICT Academy, Guru Shree Shantivijai Jain College for Women, Chennai, 12<sup>th</sup> December 2018.
72. **S.Selvakani, P.Ajithkumar**, , “Addressing age related bias sentiment analysis algorithm” **In proceedings of National Conference on Research Quest (NCRQ`20)**, Organized by the Department of Computer Science, Mannonmanium Sundaranar University Constituent College of Arts and Science, Kadayanallur 7th march,2020.
73. **S.Selvakani, M.Krishnaveni**, ”Detection of Malicious Node in RPL-Based Internet of Things through Provenance” **In proceedings of National Conference on Research Quest (NCRQ`20)**, Organized by the Department of Computer Science, Mannonmanium Sundaranar University Constituent College of Arts and Science, Kadayanallur 7th march,2020.
74. **S.Selvakani, G.Divya** , ”Complication Risk Profiling in Diabetes Care using Bayesian Learning Approach” **In proceedings of National Conference on Research Quest (NCRQ`20)**, Organized by the Department of Computer Science, Mannonmanium Sundaranar University Constituent College of Arts and Science, Kadayanallur 7th march,2020.
75. **S.Selvakani, M.Natarajan**, ”Search Rank Fraud and Malware Detection in Google Play” **In proceedings of National Conference on Research Quest (NCRQ`20)**, Organized by the Department of Computer Science, Mannonmanium Sundaranar University Constituent College of Arts and Science, Kadayanallur 7th march,2020.
76. **S.Selvakani, A.S.Anitha**, ”Privacy Characterization and Quantification in Data Publishing” **In proceedings of National Conference on Research Quest (NCRQ`20)**, Organized by the Department of Computer Science, Mannonmanium Sundaranar University Constituent College of Arts and Science, Kadayanallur 7th march,2020.
77. **S.Selvakani, D.Alexander**, ”Authentication by Encrypted Negative Password” **In proceedings of National Conference on Research Quest (NCRQ`20)**, Organized by the Department of Computer Science, Mannonmanium Sundaranar University Constituent College of Arts and Science, Kadayanallur 7th march,2020.

**Paper Presented in Articles:**

78. **S. Selvakani, Vijaya Maheswari, Saravana Sundari**, “Cyber Security in India – an Ignored World”, **In Proceedings of the National Conference on Cyber Security –**

*Emerging Cyber Threats and Challenges, conducted by Confederation of Indian Industry CII, Chennai, April 2010.*

### **Chapter Presented in Book:**

79. *S. Selvakani, K.Vasumathi, "A Comparative Study on Big Data Analytics Open Source Software Tools", In Chapter of Infinitude: Frontiers of Research in Mathematical and Computing Science, Chapter 32, University of Calicut .*

### **Books Published:**

80. *S. Selvakani, A.Sivasankari, D.B.Shanmugam, "Computer Applications in Business and IT", Charulatha Publications, ISBN-13: 978-93-89051-27-8*

### **E-Content Published:**

81. *S. Selvakani, K.Vasumathi, M.Anita Madonam M.Silabmarasi, R.Sangeetha, P.Vigneshvaran, "Operating Systems" , Steered by Dr.S.Thamarai Selvi (Vice Chancellor, Tiruvalluvar University).*
82. *S. Selvakani, A.Sivasankari, V.Sakthivel, G.Komala, S.R.Rathina Priya, E.Suganya, "Mobile Computing" , Steered by Dr.S.Thamarai Selvi (Vice Chancellor, Tiruvalluvar University).*

### **Reviewer for International Journals**

1. *IJOPCM – International Journal of Open Problems in Computer Science and Mathematics (Saudi Arabia).*
2. *IJCNS – International Journal of Computer and Network Security (Singapore)*
3. *IJCSI – International Journal of Computer Science Issues (Taiwan)*
4. *CIIT International Journal – Coimbatore Institute of Information Technology (India)*
5. *IJOAT – International Journal of Advancement in Technology (Mullana)*
6. *IJISS - International Journal of Information Security Science (Turkey)*
7. *NET JOURNALS – Physical Sciences Research International Journal(Nigeria)*
8. *ComEngAppJournal – Computer Engineering and Application Journal (Sriwijaya)*
9. *IJERET - International Journal of Dharshan Institute of Engineering Research and Emerging Technologies(India)*
10. *WINE - Springer Journals - Wireless Networks (Europe)*
11. *IJRST - IRA PUBLICATIONS - Editorial Board*
12. *IJESM - International journal of Engineering, Sciences and Management*
13. *IJREM – International Journal of Research In Education Methodology*
14. *JAH – journal of Advances in Humanities*
15. *EMR - Engineering Management Research, Canadian Center of Science and Education*

16. **ARSEA** - Editorial Board - *Academic Research in Science, Engineering, Art and Management Foundation*
17. **IJCRCST** - *International Journal of Contemporary Research in Computer Science and Technology*
18. **IJAER** - *International Journal of Advances in Engineering Research*
19. **IJCAIOT** - *International Journal of Computer Applications and IOT*
20. **IJCASA** - *International Journal of Data Science and Analysis*
21. **IJARTET** - *International Journal of Advanced Research Trends in Engineering and Technology.*
22. **IJCRCST** - *International Journal of contemporary Research in Computer Science and Technology*
23. **IJAER** - *International Journal Of Advances In Engineering Research e-issn:2231-5152, p-issn: 2454-1796;*
24. **IJRST** - *International Journal of Research in Science & Technology e-issn: 2249-0604, p-issn: 2454-180x;*
25. **IJUSE** - *International Journal of Universal Science & Engineering e-issn: 2454-759x, p-issn: 2454-7581;*
26. **IJIEST** - *International Journal of Inventions in Engineering & Science Technology e-issn: 2454-9584, p-issn: 2454-8111;*
27. **IJIASE** - *International Journal of Innovations in Applied Sciences & Engineering e-issn: 2454-9258, p-issn: 2454-809x;*
28. **IJISE** - *International Journal of Innovations in Scientific Engineering e-issn: 2454-6402, p-issn: 2454-812x*
29. **MIJ** - *Multidisciplinary International Journal e-issn: 2454-924x, p-issn: 2454-8103.*
30. **EMR** – *Engineering Management Research*
31. **JAH** – *Journal of Advances in Humanities*
32. **IJREM** – *International Journal of Research in Education Methodology*
33. **IJESM** - *International journal of Engineering, Sciences and Management*
34. **IJRITCC** - *International Journal on Recent and innovation trends in computing and communication*
35. **IJDSA** - *International Journal of Data Science and Analysis – Editorial Board – Science Publishing Group Newyork U.S.A. p-issn: 2575-1883; e-issn:2575-1891*
36. **AJBAS** – *Australian Journal of Basic and Applied Sciences – Advisory Board - ISSN: 1991-8178(print); ISSN: 2309-8414 (online)*
37. **ACM TOIS** - *ACM Transactions on Information Systems – Reviewer*
- 38 . ICSO 19** – *International Conference on Soft Computing and Optimising Techniques.*

**Resource Person - Online Webinars / FDP at the time of COVID:**

S.No	Details of the Organisers
1	<b>24-06-2020</b> - Acted as a Resource Person for a Webinar on " <b>Data Visualization - towards Data Science</b> (04.00 p.m. to 05.30 p.m.) Organized by the Department of Computer Applications, Francis Xavier Engineering College (An Autonomous Institution), Tirunelveli, Tamilnadu.
2	<b>27-06-2020</b> - Acted as a Resource Person for a National Webinar on "Data Visualization in Data Science" (3.00 p.m to 4.30 p.m) Organised by the Department of Computer Science, St.Paul's College, Kalamassery, Kerala.
3	<b>13-07-2020</b> - Acted as a Resource Person for a National Level Webinar on " <b>Digital ID/ Publishing Articles in Peer Reviewed Journal</b> " (10.30 a.m. to 12.00 p.m) Organized by the Department of Computer Science, Muthurangam Government Arts College (Autonomous), Vellore, Tamilnadu
4	<b>25-11-2020</b> - Acted as a Resource Person for a National Level Webinar on " <b>Big Data Analytics</b> " (10.30 a.m. to 12.00 p.m) Organized by the Department of Computer Science / Computer Applications, C. Abdul Hakeem College (Autonomous), Vellore, Tamilnadu
5	<b>21-07-2021</b> - Acted as a Resource Person for a Seven Days <b>International Faculty Development Programme (FDP)</b> on "Recent Trends in Information Technology & its Applications on the Topic " <b>Introduction to Machine Learning</b> " (4.00 pm to 5.00 pm) Organized by the Department of Computer Applications (SHIFT II), Patrician College of Arts and Science, Chennai, Tamilnadu
6	<b>19-08-2021</b> - Acted as a Resource Person for a Two Days <b>National Level Webinar</b> on "Current Trends in Computer Science on the Topic " <b>Introduction to Data Science</b> " (10:00 am to 12.30 pm) Organized by the PG & Reaserach Department of Computer Science, K.M.G. College of arts and science, Gudiyattam, Tamilnadu

**Quiz, FDP Organised at the time of COVID:**

S.No	Quiz Organized
1	05-05-2020 to 09-05-2020 - Computer Fundamentals Quiz Organised by the Department of Computer Science / Computer Applications for UG/PG Students, Research Scholars, Faculty Members, 502 Members participated.
2	10-05-2020 to 13-05-2020 - Mother's Day Quiz Organised by the Department of Computer Science / Computer Applications for UG/PG Students, Research Scholars, Faculty Members, 134 Members participated.
3	05-06-2020 to 10-06-2020 - Environment Day Quiz Organised by the Department of Computer Science / Computer Applications for UG/PG Students, Research Scholars, Faculty Members, 465 Members participated.
S.No	FDP Organized
1	21-05-2020 to 27-05-2020 - 7 days Faculty Development Programme on "R-Programming " in association with Spoken Tutorial, IIT Bombay Organised by the Department of Computer Science / Computer Applications for Computer Science / Computer Applications Faculty Members , 252 Faculties Participated.

**Workshops, Seminars, FDP & other Courses attended online at the time of COVID:**

S.No	Date	Topic	Programme Name	Organiser	Level	No of Days
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1	04-05-2020 to 08-05-2020	Data Sciences	Aicte Training And Learning (ATAL) Academy Online FDP On "Data Sciences"	Msme - Technology Development Centre (PPDC) Meerut.	National	5
2	11-05-2020 to 15-05-2020	Outcome Based Education: A Step Towards Excellence	One Week Online Faculty Development Program On "Outcome Based Education: A Step Towards Excellence"	Margdarshan Scheme Of AICTE, Government College Of Engineering, Karad	National	5
3	24-04-2020 to 30-04-2020	Basics Of Documentation Using Latex	Online National Workshop On Basics Of Documentation Using LateX	Stella Maris College	National	4
4	27-04-2020 to 01-05-2020	R Programming	5 Days Online Faculty Development Program (FDP)	Indo Global Group Of Colleges, New Chandigarh In Association With IIT Bombay Spoken Tutorial	National	5
5	27-04-2020 to 01-05-2020	PHPand MySql	Faculty Development Programme on PHP and MySql	K.M.G College Of Arts And Science In Association With IIT Bombay Spoken Tutorial	National	5
6	30-04-2020 to 04-05-2020	Python & Latex	Online Faculty Development Program On FOSS	G.Venkataswamy Naidu College In Association With Spoken Tutorial, IIT Bombay	National	5
7	30-04-2020 to 05-05-2020	R- Programming	Online One-Week Faculty Development Program On "R- Programming"	Skn Sinhgad College Of Engineering, In Association With Spoken Tutorial IIT Bombay	National	7
8	04-05-2020 to 06-05-2020	Machine Learning And Artificial Intelligence	Three Days Online FDP On Machine Learning And Artificial Intelligence	Andhra Loyola Institute Of Engineering And Technology	National	3
9	04-05-2020 to 06-05-2020	Robotics Process Automation	FDP On Emerging Technology "Robotics Process Automation"	Jeppiaar Institute Of Technology	National	3
10	04-05-2020 to 09-05-2020	Research Challenges And Opportunities Post Covid-19 (RECOP 2020)	One Week Online Faculty Development Program On "Research Challenges And Opportunities Post Covid-19 (RECOP 2020)"	Sri Vasavi Engineering College (Autonomous)	National	7

11	04-05-2020 to 17-05-2020	Recent Trends In Information, Computing, Communication And Teaching Methodology Competency	Two Week Online Refresher Course / FDP	MHRD & Sri Sai Ram Engineering College	National	14
12	04-05-2020 to 10-05-2020	R Bio-Python Python	One Week FDP Programme On Spoken Tutorial Free Open Source Software (Foss)	Dr. N.G.P. Arts And Science College In Association With IIIT Bombay Spoken Tutorial	National	7
13	04-05-2020 to 08-05-2020	Python	Five Days Faculty Development Programme On Python 3.4.3	Sathyabama Institute Of Science And Technology, Chennai In Association With IIT Bombay Spoken Tutorial	National	5
14	05-05-2020 to 07-05-2020	Internet Of Things (IOT)	Three Days Online FDP On “Internet Of Things (IOT)”	St. Martin’S Engineering College In Association With Computer Society Of India	National	3
15	06-05-2020 to 08-05-2020	Enhancing Professional Skills In Information Technology	Three Days Online Faculty Development Programme On Enhancing Professional Skills In Information Technology	Auxilium College (Autonomous)	National	3
16	06-05-2020 to 09-05-2020	Data Science Using Python And R- Programming	Online Faculty Development Programme On Data Science Using Python And R-Programming	D.K.M. College For Women (Autonomous) In Association With Spoken Tutorial, IIT Bombay	National	4
17	11-05-2020 to 16-05-2020	ICT Tools	One Week Faculty Development Programme On “ICT Tools”	Sree Vidyanikethan Engineering College (In Association With STP - IIT Bombay)	National	7
18	11-05-2020 to 15-05-2020	Php And Mysql	Five Days FDP	VIT, Chennai In Association With Spoken Tutorial IIT Bombay	National	5

19	16-05-2020 to 22-05-2020	Impact Of Covid 19 On Higher Education Institution'S Challenges & Responses	Online Seven Days International Faculty Development Programme On "Impact Of Covid 19 On Higher Education Institution'S Challenges & Responses"	Hindusthan College Of Arts And Science	International	7
20	16-05-2020 to 17-05-2020	Project Proposals For Funding Agencies (UGC Stride & Icssr Impress): Preparation And Submission Protocol	A Two Day Online Faculty Development Programme On Project Proposals For Funding Agencies (UGC Stride & Icssr Impress): Preparation And Submission Protocol	Patrician College Of Arts And Science	National	2
21	16-05-2020 to 20-05-2020	Machine Learning And Deep Learning Applications In Engineering & Science	One Week Online Faculty Development Program On "Machine Learning And Deep Learning Applications In Engineering & Science"	Government College Of Engineering Karad & Rajkiya Engineering College Azamgarh	National	7
22	18-05-2020 to 23-05-2020	Enhancing Your IT Skills During Quarantine	International Faculty Development Programme On Enhancing IT Skills During Quarantine	Bishop Appasamy College Of Arts And Science	International	6
23	18-05-2020 to 22-05-2020	Data Science Using Python	Hands On FDP: Data Science Using Python	Jeppiaar Institute Of Technology	National	5
24	20-05-2020 to 24-05-2020	Data Science Using Python	Five Days Online Faculty Development Programme On "Data Science Using Python"	Kongu Engineering College	National	5
25	20-05-2020 to 21-05-2020	Migration Of IT Infra Using Cloud	Two Days Online Faculty Development Program On Migration Of IT Infra Using Cloud	Poornima Institute Of Engineering And Technology	National	2
26	21-05-2020 to 27-05-2020	Advances In " Python( Django And Flask), Python For Data Science And Cyber Security"	One Week Faculty Development Program On Advances In " Python( Django And Flask), Python For Data Science And Cyber Security"	Ramanamma Engineering College In Association With IIT Bombay	National	7



27	23-05-2020 to 27-05-2020	Advanced Optimization Tools & Techniques For Researchers & Engineers	One Week STTP On Advanced Optimization Tools & Techniques For Researchers & Engineers	Skn Singhgad College Of Engineering	National	7
28	25-05-2020 to 29-05-2020	Recent Trends And Applications Of Machine Learning And Deep Learning In It	5 Days Online Sttp On "Recent Trends And Applications Of Machine Learning And Deep Learning In It"	Ramro Adik Institute Of Technology And B & R Automation Pvt Ltd, Pune (Dy Patil Deemed To University)	National	5
29	25-05-2020 to 29-05-2020	Innovation, Entrepreneurship And Its Relevance In Industry 4.0 Practices In The Post Covid-19 Situation	One Week Online Faculty Development Program On "Innovation, Entrepreneurship And Its Relevance In Industry 4.0 Practices In The Post Covid-19 Situation"	Terna Engineering College	National	7
30	29-05-2020 to 03-06-2020	Block Chain And Machine Learning	One Week Online Short Term Course On "Blockchain And Machine Learning"	Gurukila Kangri Vishwavidyalaya, In Technical Collaboration With IBM & AICTE	National	5
31	29-05-2020 to 03-06-2020	Python	Five Days Faculty Development Programme On Python 3.4.3	SRM Institute Of Science And Technology In Association With STP - IIT Bombay	National	5
32	30-05-2020 to 04-06-2020	Developing New Perspective In The Era Of AI / MI	Online Faculty Development Programme Operations Management : Developing New Perspective In The Era Of AI / MI	Meerut Institute Of Technology	National	5
33	01-06-2020 to 07-06-2020	Machine Learning	One Week Online Faculty Development Programme On "Machine Learning"	Auxilium College (Autonomous)	National	5
34	01-06-2020 to 14-06-2020	Network Security	14 Days Mooc Course On Network Security	IFET College Of Engineering	National	14
35	04-06-2020 to 17-06-2020	Digital Initiatives For Higher Education	Two Weeks International Online Faculty Development Program On Digital Initiatives For Higher Education	G.Venkataswamy Naidu College	International	14

36	04-06-2020 to 08-06-2020	Matlab For All	One Week National Level Online Short Time Training Program On "Matlab For All"	Sir M Visvesvaraya Institute Of Technology	National	7
37	05-06-2020 to 10-06-2020	Machine Learning And Data Science For Engineering Applications	Faculty Development Programme On "Machine Learning And Data Science For Engineering Applications"	Shadan College Of Engineering And Technology	National	7
38	08-06-2020 to 12-06-2020	Internet Of Things (IOT) & It's Applications In Industry	Online Short Term Training Program On Internet Of Things (IOT) & It's Applications In Industry	Ramro Adik Institute Of Technology And B & R Automation Pvt Ltd, Pune (Dy Patil Deemed To University)	National	5
39	08-06-2020 to 13-06-2020	Perspectives Of Online Teaching And Learning	One-Week Online Faculty Development Program On Perspectives Of Online Teaching And Learning	Gokaraju Rangaraju Institute Of Engineering And Technology	National	7
40	08-06-2020 to 12-06-2020	Interdisciplinary Research Methodology, Ict Application & Innovations In Teaching Learning Process	One Week Online National Workshop On 'Interdisciplinary Research Methodology, Ict Application & Innovations In Teaching Learning Process'	St. Francis De Sales College	National	7
41	10-06-2020 to 16-06-2020	Natural Products For Health Management	Seven Days International Online Seminar On "Natural Products For Health Management"	Periyar University	International	7
42	15-06-2020 to 20-06-2020	Latest Trends And Challenges In It Industry	Six Days Online Faculty Development Programme On "Latest Trends And Challenges In It Industry"	R.M.D Engineering College	National	6
43	15-06-2020 to 21-06-2020	Latex	One Week Online Faculty Development Programme On Latex	Vinayakrao Patil Mahavidyalaya	National	7
44	15-06-2020 to 18-06-2020	Data Science	Online International Conference On Data Science	Loyola College	International	4

45	20-06-2020 to 07-06-2020	Modern Teaching, Evaluation And Research Methods	One Week Faculty Development Programme On "Modern Teaching, Evaluation And Research Methods"	Vinayakrao Patil Mahavidyalaya	National	7
46	22-06-2020 to 26-06-2020	Pioneering AI Technology- A Case Study Approach	Five-Day Faculty Development Program On "Pioneering AI Technology- A Case Study Approach"	Dayananda Sagar University	National	5
47	22-06-2020 to 26-06-2020	Advanced Data Science And Its Applications	International Level One Week Faculty Development Programme On Advanced Data Science And Its Applications	BVRIT Hyderabad College Of Engineering For Women	International	7
48	22-06-2020 to 26-06-2020	Recent Trends In Data Science And Information Security	5 Days Online Short Term Training Program On "Recent Trends In Data Science And Information Security"	Ramrao Adik Institute Of Technology	National	5
49	02-07-2020 to 08-07-2020	MOODLE	National Level Seven Days Faculty Development Program On Moodle Learning Management System	Government Arts And Science College In Association With Spoken Tutorial IIT Bombay	National	7
50	06-07-2020 to 10-07-2020	Emerging Technologies in IT Industry 2020	Five Days Online FDP on "Emerging Technologies in IT Industry 2020"	Noorul Islam Centre for Higher Education	National	5
51	06-07-2020 to 12-07-2020	Challenges in Cybercrime & Enforcement of Cyber Security	Seven Days Online Faculty Development Program on "Challenges in Cybercrime & Enforcement of Cyber Security"	Dr.M.G.R Educational And Research Institute with Technical Partners CSI, CoDEF and NCDRC	National	7
52	06-07-2020 to 17-07-2020	Two Weeks FDP	NAAC ASSESSMENT & ACCREDITATION process	SHADAN COLLEGE OF ENGINEERING AND TECHNOLOGY	National	14
53	13-07-2020 to 20-07-2020	One week Faculty Development Programme	Essentials for Blended Learning	Dr.M.G.R Educational And Research Institute	National	7

54	30.08.2020	One Day Training Cum Orientation Programme	TANSICHE	Bharathiar University, Coimbatore	National	1
55	18-01-2021 to 22-01-2021	Big Data Analytics	TEQIP-III RTU (ATU) Sponsored Faculty Development Program on Big Data Analytics	Rajasthan Technical University, Kota and ARYA College of Engineering & I.T., Jaipur	National	5
56	26-04-2021 to 30-04-2021	Introduction to Big Data Analytics	Five Days Online Live FDP	ICT Academy	National	5
57	03-05-2021 to 08-05-2021	Sensor Networks, Internet of Things and Internet of Everything	AICTE –AQIS Sponsored Six Days Online Short Term Training Program	St.Martins Engineering College, AICTE –AQIS	National	6
58	20-05-2021 to 25-05-2021	Python Programming for Image Processing and IoT	One Week AICTE-ISTE Refresher/Induction Program (Online-Phase-II)	Geethanjali Institute of Technology, AP	National	7
59	24-05-2021 to 02-06-2021	Machine Learning & Artificial Intelligence in Data Science	AICTE sponsored by Two Week Online Faculty Development Programme - Phase II	PACE Institute of Technology and Sciences, AP	National	14
60	24-05-2021 to 06-06-2021	Pedegagy and Research Methods	Two Weeks Online Faculty Development Program	HRDC and IQAC - AMET University	National	14
61	01-06-2021 to 14-06-2021	INDUSTRY INSTITUTE INTERACTION - A HOLISTIC APPROACH INSIGHT OUT	Two Weeks Virtual National Faculty Development Programme	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	National	14
62	07-06-2021 to 13-06-2021	Seven Day's National Level Online Workshop	Seven Day's National Level Online Workshop on Data Science And Introduction To Machine Learning	MVP Samaj's Commerce, Management and Computer Science(CMCS) College	National	7
63	10-06-2021 to 15-06-2021	Data Science and its Applications	One week National level virtual Faculty Development Program	SRI RAMA KRISHNAM RAJU ENGINEERING COLLEGE	National	7
64	14-06-2021 TO 19-06-2021	Faculty Development Program	Faculty Development Program on Python	E & ICT Academy, IIT Kanpur	National	6

65	15-06-2021 TO 19-06-2021	Applications of Machine Learning	A Five Day National Level Online Faculty Development Program On “Applications of Machine Learning” Organized	Shri Vishnu Engineering College for Women(A)	National	5
66	21-06-2021 TO 26-06-2021	Faculty Development Program	Faculty Development Program on Advance Excel	E & ICT Academy, IIT Kanpur	National	6
67	21-06-2021 TO 26-06-2021	One Week online Faculty Development Programme	Introduction to Machine Learning	Indira Gandhi Delhi Technical University For Women	National	7
68	24-06-2021 TO 28-06-2021	Five Day International Workshop	Building Data-Driven Solutions Using Data Analytics with ML and DL Algorithms	Chaitanya Bharathi Institute of Technology (A)	International	5
69	25-06-2021 to 03.06.2021	9-Day National Level Online Faculty Development Program	Foregrounding the Spectrum of Character Building in Modern Human Life	Balaji Institute of Technology & Science, Narsampet, Warangal ®, Telengana	National	9
70	28.06.2021 to 03.07.2021	Six Day Virtual Faculty Development Programme	Recent Trends in Data Science & Big Data Analytics	KG COLLEGE OF ARTS AND SCIENCE, COIMBATORE	National	6
71	01.07.2021 to 08.07.2021	National level Online Short Term Course (STC)	E-Content Development	HOLY CROSS COLLEGE (AUTONOMOUS), NAGERCOIL	National	8
72	05.07.2021 to 09.07.2021	Online Elementary FDP	Integrated Data Analytics - the Tools and Applications around Industry Verticals	AICTE Training And Learning (ATAL) Academy, with Holy Cross College(Autonomous ), Tiruchirappalli	National	5
73	12.07.2021 to 16.07.2021	Online Elementary FDP	CYBER CRIMES, DEFENSIVE PRACTICES AND SAFE COMPUTING	AICTE Training And Learning (ATAL) Academy, with PONDICHERRY ENGINEERING COLLEGE	National	5
74	12.07.2021 to 16.07.2021	AICTE Sponsored National Level Five Days Virtual Short Term Training Program (STTP)	TECHNOLOGY ENABLERS FOR SMART MANUFACTURING USING INDUSTRY 4.0	Nitte Meenakshi Institute of Technology, Bangalore	National	5

**One Day Webinars / FDPs attended:**

1	24-04-2020	Machine Learning Using Python	Webinar On Machine Learning Using Python	Brainswig Edutech Pvt. Ltd	National	1
2	24-04-2020	Designing And Building Globally Accessible Digital Products	Webinar On Designing And Building Globally Accessible Digital Products	SRM Institute Of Science And Technology	National	1
3	24-04-2020	Time Series Data Analysis Using Machine Learning	Webinar On Time Series Data Analysis Using Machine Learning	SRM Institute Of Science And Technology	National	1
4	27-04-2020	Citing References Using Mendeley Reference Manager	Faculty Development Program - "Citing References Using Mendeley Reference Manager"	Dwaraka Doss Goverdhan Doss Vaishnav College	National	1
5	28-04-2020	Business Agility Towards Innovation In It	Online FDP On "Business Agility Towards Innovation In It"	Srm Institute Of Science And Technology	National	1
6	28-04-2020	Php Web Design And Development	Free Webinar On "Php Web Design And Development"	Karpaga Vinayaga College Of Engineering And Technology	National	1
7	30-04-2020	Covid-19'S Impact : Challenges And Opportunities In It Industry	Webinar On Covid-19'S Impact : Challenges And Opportunities In It Industry	Srm Institute Of Science And Technology	National	1
8	03-05-2020	Web Development In Ruby On Rails	Webinar On "Web Development In Ruby On Rails"	Karpaga Vinayaga College Of Engineering And Technology	National	1
9	03-05-2020	Machine Learning For Beginners	Online Faculty Development Program On "Machine Learning For Beginners"	Sphoorthy Engineering College	National	1
10	04-05-2020	Turnitin Online On Campus	Webinar On How To Use Turnitin Software For Your Research "Turnitin Online On Campus"	Guru Nanak Institute Of Management Studies In Association With Turnitin	National	1
11	04-05-2020	Machine Learning Using Python	Faculty Development Programme On Machine Learning Using Python	Vels Institute Of Science, Technology & Advanced Studies	National	1
12	05-05-2020	Problem Solving Techniques	Webinar On "Problem Solving Techniques"	Soka Ikeda College Of Arts And Science For Women	National	1

13	06-05-2020	Research Challenges In Data Mining	Webinar On Research Challenges In Data Mining	Chennai Institute Of Technology	National	1
14	06-05-2020	How To Be A Successful Instructional Designer In E-Learning	Webinar On "How To Be A Successful Instructional Designer In E-Learning"	Psg College Of Arts & Science	National	1
15	07-05-2020	Data Analysis & Visualisation Of Covid 19 Dataset Using Python	Faculty Development Programme On "Data Analysis & Visualisation Of Covid 19 Dataset Using Python"	Jerusalem College Of Engineering	National	1
16	07-05-2020	Top Technology Trends On Mechanical In 2020	Webinar On "Top Technology Trends On Mechanical In 2020"	Galaxy Top Corner	National	1
17	09-05-2020	How To Get Research Paper Published - A Step By Step Approach	Webinar On How To Get Research Paper Published - A Step By Step Approach	Don Bosco College	National	1
18	10-05-2020	Machine Learning Algorithms, Applications And Trends	Webinar On "Machine Learning Algorithms, Applications And Trends"	Shri Shankarlal Sundardabi Shasun Jain College For Women In Association With Computer Society Of India	National	1
19	10-05-2020	Enterprise Application Development Using .Net	Webinar On "Enterprise Application Development Using .Net"	Karpaga Vinayaga College Of Engineering And Technology	National	1
20	11-05-2020	Blockchain Beyond The Hype:Real Use Cases	Webinar - Blockchain Beyond The Hype:Real Use Cases	Dhanalakshmi Srinivasan College Of Engineering	National	1
21	11-05-2020	Challenges In Building Collaborations In Research And Innovation	One Day Faculty Development Program On "Challenges In Building Collaborations In Research And Innovation "	Dr.M.G.R Educational And Research Institute	National	1
22	12-05-2020	Impact Of Covid - 19 On Indian Economy	Webinar On "Impact Of Covid - 19 On Indian Economy"	C.Abdul Hakeem College	National	1
23	12-05-2020	Post Covid - 19 Way Forward	Webinar "Post Covid - 19 Way Forward"	Prathyusha Engineering College	National	1



24	15-05-2020	Kick Start Your Artificial Intelligence Emerged Fourth Industrial Revolution	Webinar On "Kick Start Your Artificial Intelligence Emerged Fourth Industrial Revolution"	Sri Ranganathar Institute Of Engineering And Technology	National	1
25	20-05-2020	Blockchain Beyond Cryptocurrencies	Webinar On Blockchain Beyond Cryptocurrencies	S.A.Engineering College	National	1
26	31-05-2020	Introduction To Big Data And Artificial Intelligence	Online Workshop On "Introduction To Big Data And Artificial Intelligence"	Institute Of Leadership And Governance	National	1
27	31-05-2020	Dockers: Application Development Tools	Webinar On "Dockers: Application Development Tool"	A.C. Patil College Of Engineering	National	1
28	31-05-2020	Exploring Realtime Technology	International Webinar on "Exploring Realtime Technology"	Mohamed Sathak AJ College of Engineering	International	1
29	01-06-2020	Iot-What A Commoner Needs Out Of It?	Webinar On "Iot-What A Commoner Needs Out Of It?"	Jeppiar Engineering College	National	1
30	01-06-2020	Applications Of Real-Time Pcr Or Rapid Diagnosis Of Communicable And Non-Communicable Diseases	Webinar On "Applications Of Real-Time Pcr Or Rapid Diagnosis Of Communicable And Non-Communicable Diseases"	B.S. Abdur Rahman Crescent Institute Of Science And Technology	National	1
31	5.08.2020	Virtual Interactive Classroom for Teachers and the Challenging Technologies in Post Covid	Webinar on "Virtual Interactive Classroom for Teachers and the Challenging Technologies in Post Covid"	IFERP - Institute for Engineering Research and Foundation	National	1
32	15.08.2020	Cyber Virus that took his path with Corona Virus - A Disaster Journey of Malicious Malware in the ASEAN Countries	Webinar on "Cyber Virus that took his path with Corona Virus - A Disaster Journey of Malicious Malware in the ASEAN Countries"	IFERP - Institute for Engineering Research and Foundation	National	1
33	10.09.2020	Technology Based Teaching in Class Room	Webinar On "Technology Based Teaching in Class Room"	IFERP - Institute for Engineering Research and Foundation	National	1

34	13.09.2020	National Education Policy	Webinar on "National Education Policy"	IFERP - Institute for Engineering Research and Foundation	National	1
35	18.09.2020	Personality Development & Winning Attitude	Webinar on "Personality Development & Winning Attitude"	IFERP - Institute for Engineering Research and Foundation	National	1
36	26.09.2020	Learning Path to Data Science	Webinar on "Learning Path to Data Science"	IFERP - Institute for Engineering Research and Foundation	National	1
37	03.10.2020	Optical Wireless Communication - Challenges & Opportunities	Webinar on "Optical Wireless Communication - Challenges & Opportunities"	IFERP - Institute for Engineering Research and Foundation	National	1
38	09.10.2020	Computing and Signal Processing in IOT Applications	Webinar on "Computing and Signal Processing in IOT Applications"	IFERP - Institute for Engineering Research and Foundation	National	1
39	10.10.2020	Artificial Intelligence & Machine Learning using Python	Webinar on "Artificial Intelligence & Machine Learning using Python"	IFERP - Institute for Engineering Research and Foundation	National	1
40	13.10.2020	General Awareness to the Educators & Institutions - Inshights of National Education Policy - 2020	Webinar on "General Awareness to the Educators & Institutions - Inshights of National Education Policy - 2020"	IFERP - Institute for Engineering Research and Foundation	National	1
41	31.10.2020	Transformations of Business Operations Using Industry 4.0 Technologies	Webinar on "Transformations of Business Operations Using Industry 4.0 Technologies"	IFERP - Institute for Engineering Research and Foundation	National	1
42	31.05.2021	International Webinar on	Exploring Realtime Technology	MOHAMED SATHAK A J COLLEGE OF ENGINEERING	International	1

**Online Courses Attended**

15.06.2021	Skillup by Simplilearn	Data Science with Python
17.06.2021	Skillup by Simplilearn	Data Science with R programming
18.06.2021	Skillup by Simplilearn	Introduction to Data Analytics
18.06.2021	Skillup by Simplilearn	Introduction to Machine Learning with R

19.06.2021	Skillup by Simplilearn	Python Libraries for Data Science
22.06.2021	Skillup by Simplilearn	Machine Learning
01-06-2021	Great Learning Academy	Data Science Foundations
01-06-2021	Great Learning Academy	Introduction to R
01-06-2021	Great Learning Academy	Python for Machine Learning

## **Invited Talk & Session Chair person in conferences**

1. **Invited Talk** - National Conference on Role of ICT in Teacher Education (UGC Sponsored) in the topic "Recent Trends in ICT" at VOC College of Education, on 19<sup>th</sup> February 2010.
2. **Coordinator** – 12 days training programme on "fundamentals of computer" for the Police Constable organised by the police department – Government of Tamil nadu – 7<sup>th</sup> June 2010 to 19<sup>th</sup> June 2010.
3. **Chief Guest** – Alumni meet at Sri Sarada College for Women 14<sup>th</sup> August 2010.
4. **Chief Guest** – National level Technical Symposium TECHNODROID 2k12 Organized by the Department of CSE& IT, Loyala Institute of Technology and Science on 30<sup>th</sup> Jan 2012.
5. **Chair person** – National Conference on Emerging Trends in Applications of Computing at Francis Xavier Engineering College, on 4th March 2011.
6. **Chair person** - National Level Technical Symposium at St. Xavier's College, Palayamkottai on 7<sup>th</sup> February 2012.
7. **Chair person** – National Conference on Emerging Trends in Applications of Computing at Francis Xavier Engineering College, on 10th March 2012.
8. **Chair person** – National Conference on Advances in Power Engineering and Control Technology at Francis Xavier Engineering College on 14<sup>th</sup> March 2012.
9. **Chair person** – National Conference on Recent Advances in Communication Systems and Technologies at Francis Xavier Engineering College on 15<sup>th</sup> March 2012
10. **Chair person** - National Conference on Advanced Trends in Computing at Francis Xavier Engineering College, on 27th March 2012.
11. **Invited Talk** - Faculty Development Training Programme (Anna University Sponsored) in the topic "SCILAB Introduction" at Francis Xavier Engineering College, on 26<sup>th</sup> June 2012.
12. **Invited Talk** –National Seminar on Recent Research challenges in Image Processing and Network Security in the Topic "Recent Research issues and Challenges in WSN" at Dr.Sivanthi Aditanar College of Engineering, Department of CSE on 19<sup>th</sup> December 2012.
13. **Chair person** – National Conference on Recent Advances in Communication Systems and Technologies at Francis Xavier Engineering College on 8<sup>th</sup> March 2013
14. **Chair person** - National Conference on Advanced Trends in Computing at Francis Xavier Engineering College, on 5th April 2013.
15. **Invited Talk** - Faculty Development Training Programme (AICTE Sponsored) in the topic "Research Challenges in Image Processing and Neural Network" at Francis Xavier Engineering College, Department of IT on 6<sup>th</sup> and 8<sup>th</sup> June 2013.

16. **Invited Talk** - Faculty Development Training Programme (AICTE Sponsored) in the topic "Information Security" at Francis Xavier Engineering College, Department of CSE on 13<sup>th</sup> and 15<sup>th</sup> June 2013.
17. **Chair person** – Paper Presentation Event, National Level Technical Symposium at Francis Xavier Engineering College, Department of IT on 10<sup>th</sup> SEP 2013
18. **Chair person** – Paper Presentation Event – Department Level at Francis Xavier Engineering College, Department of CSE on 12<sup>th</sup> SEP 2013.
19. **Chief Guest** – Inauguration Function of MCA Department Association ASCII Organized by Dr. Sivanthi Adithanar College of Engineering on 23<sup>th</sup> SEP 2013.
20. **Chair person** – Mini Project Exhibition at Francis Xavier Engineering College, Department of CSE on 30<sup>th</sup> SEP 2013.
21. **Chair person** - Inter National Conference on Engineering Applications ICEA, Sardar Raja College of Engineering, Alangulam, 3<sup>rd</sup> April 2014.
22. **Chief Guest** – Fancy Dress Competition, Vedic Vidhyashram CBSE School, Tirunelveli on 12<sup>th</sup> June 2014
23. **Technical Advisor** – Rotaract Club for the Academic Year 2014 – 2015, Francis Xavier Engineering College, Tirunelveli.
24. **Chair person** – Third International Conference on Communication, Computing and Information Technology ICCCMIT 2017, 3rd and 4th February 2017, M.O.P. Vaishnav College for Women, Chennai.
25. **Chief Guest** – National level Technical Symposium TECHFEST 17 at D.K.M College for Women, Vellore on 16<sup>th</sup> February 2017.
26. **Chief Guest** – National level Technical Seminar at Arcot Sri Mahalakshmi Women's College, Vellore on 27 September 2017.
27. **Resource Person** - Inter National Conference on Trends in Computational Research, ICTCT 18, Department of Computer Science, Thiruvalluvar University Model Constituent College of Arts and Science, Thennagur, 19-20 January 2018.
28. **Chief Guest** – National level Technical Seminar at MMES Women's College, Arcot on 14 February 2018.
29. **Chief Guest** – National level Technical Symposium at Shanmuga Industries Arts and Science College, Tiruvannamalai on 24 February 2018.
30. **Chief Guest** – Association Inauguration, Department of Computer Science, St.Peters Institute of Higher Education and Research, Avadi, Chennai on 23.08.2018 .
31. **Chief Guest and Special Lecture** – Association Inauguration, PG Department of Computer Science and Computer Applications, Islamiah Women's Arts and Science College, Vaniyambadi on 07.08.2019 .

32. **Resource Person** – National Seminar on “Transformation of Commerce, Management and Technology for Sustainable Economic Growth”, Christ College, Thiruvallur on 15.10.2019.

**Workshops, Seminars, FDP & other Courses attended:**

1. Attended a one day State Level Seminar "**Emerging Trends in Computer Networking and Data Communications**" at P.S.G.R Krishnammal College on 19.9.2002 and 20.09.2002.
2. Attended one day workshop on “**Open Source RDBMS Tools**” at Jaya Engineering College on 18.12.2008.
3. Completed a workshop on “**High Impact Teaching Skills**” conducted by Dale Carnegie & Associates, Inc and Wipro from 19.04.2010 to 23.04.2010 at Francis Xavier Engineering College
4. Completed a workshop on “**Advanced Workshop**”, conducted by Wipro from 04.10.2010 to 05.10.2010 at Francis Xavier Engineering College
5. Attended an one day workshop on “**LATEX Software**” in Dr.Sivanthi Athitanar college of Engineering on 15-11-2011
6. Faculty Development Training Programme (Anna University Sponsored) in the topic “**Digital Image Processing**” at Francis Xavier Engineering College, on 20<sup>th</sup> to 28<sup>th</sup> June 2012.
7. Attended one day seminar on “**Role of Robotics in Defence through UmManned Ground Vehicles with domains focusing on Mechatronics, Control systems, Embedded Systems, Fuzzy Systems, Drive by wire, Teleoperation and Mobile Manipulators**” at Francis Xavier Engineering College, on 26.10.2012
8. Attended Two days “**International Workshop on System Thinking and Modeling**” at Francis Xavier Engineering College, on 15.10.2012 and 16.12.2012.
9. Faculty Development Training Programme (AICTE Sponsored) in the topic “**Digital Image Processing**” at Francis Xavier Engineering College, on 6<sup>th</sup> to 18<sup>th</sup> July 2013.
10. Management Development Programme for HOD’s (SCAD Group of Institutions) – at SCAD Campus on 4 & 5 August 2014.
11. Attended One Day National Level Seminar on “**Big Data Analytics, Hadoop and Map-Reduce**” Organised by the Department of Information Technology, at Francis Xavier Engineering College on 13<sup>th</sup> April 2015.
12. Faculty Development Training Programme (AICTE Sponsored 14 days) in the topic “**Identification of Cyber Criminals using Cyber Forensics and ITS tools**” at Francis Xavier Engineering College, on 27.4.2015 to 10.05.2015.
13. Attended One day National Level Technical Seminar at Arcot Sri Mahalakshmi Women’s College, Vellore on 27 September 2017

14. Faculty Development Training Programme (ICTACT) on “**Introduction to Mobile App Development**” at Panimalar Engineering College on 14.12.2017 and 15.12.2017.
15. Workshop on “**Recent Trends in Computer Science and Information Technology**” at Thiruvalluvar University on 22.08.2019
16. Attended One day National Level Technical Seminar at Arcot Sri Mahalakshmi Women’s College, Vellore on 24 August 2019

**Convener:**

1. Acting as Convener for National Level Technical Symposium from 2010 to 2015 (6 times Dawn’ Sim).
2. Acting as a Convener for National Level Conference from 2017 to 2018 (2 times NCRTCAE-17, NCRTCAE-18).
3. Acting as a Convener for National Level Technical Symposium at 2018 (Logic Gates 18).

**M.Phil External Examiner**

<b>S.no</b>	<b>Reg.no</b>	<b>Name of the candidate</b>	<b>Date of Exam</b>	<b>Title of Thesis</b>	<b>University</b>
1	16904115	Mahadhevan s	09.09.2017	Indexing Density traffic control and vehicle quality edge detection	VELS University
2	16904121	Preethi S	09.09.2017	Cloud System based stream process for information intensive distributed virtual machine computing	VELS University
3	16904124	Rangarajan V	09.09.2017	Efficient way to improve the secure data transmission using cryptography techniques	VELS University

**Ph.D External Examiner**

<b>S.no</b>	<b>Reg.no</b>	<b>Name of the candidate</b>	<b>Date of Exam</b>	<b>Title of Thesis</b>	<b>University</b>
1	00308	J.Nalini	14.06.2019	Enhanced Virtual Router in network to reduce packet discard caused by thermal energy	Bharathiar University

**Extra Activities:**

1. **PG Project Guided:** 117
2. Acting as an **Examiner** (Internal, External theory and Practical) in Anna University.
3. Acting as an **Examiner** in Central Valuation in Anna University, Madras University, Manonmanium Sundaranar University and Tiruvalluvar University.
4. **Question paper Settings** in Various Deemed Universities and Autonomous Colleges.
5. **Question paper Settings** in Anna university, MS University, Bharathiar University, Madras University

6. **Question paper Settings in Alagappa University – School of Distance Education – MCA Board**
7. **MCA Question paper Scrutiny Board Chairman – National Engineering College (Autonomous) Kovilpatti, Bharathiar University – Coimbatore.**
8. **Board of Studies (External Expert) – Sarah Tucker College, St.Peters Research of Higher education, C.Abdul Hakkem College (University Nominee)**
9. **Appointed to Monitor the User Acceptance Test – Thiruvalluvar University, Vellore.**
10. **Acting as a reviewer committee member for various national Conferences.**
11. **Jure for various competitions like paper presentations, software marketing etc...**
12. **Subject Expert for Deemed Universities (St.Peters University) Autonomous Colleges**
13. **Hindi Examination – Praveen Udhartha Passed.**
14. **Type Writing – Tamil, English (Both Lower Higher) Passed with First Class.**

### **Account Test:**

- **Completed “Account Test for Executive Officers” on 28.05.2017 and obtained Pass Grade**

### **Personal Details:**

<b>Religion</b>	: Hindu
<b>Nationality</b>	: Indian
<b>Community</b>	: BC
<b>Husband Name</b>	: S.Kandeeban
<b>Occupation</b>	: Territory Business Manager, AstraZeneca Private Limited
<b>Dependents</b>	: Son -1 (16 Years), Daughter – 1(12 Years), Mother (61 Years)
<b>Address for Communication</b>	: No.14, VOC Street Extension, Sridevi Nagar, Kamaraj Nagar, Avadi, Chennai - 600071.  440, SKN Illam, 3rd Main Road, Kodeeswaran Nagar, Tirunelveli Town, 627 006.
<b>Mobile Number</b>	: 9965530956
<b>Email – ID</b>	: sselvakani@hotmail.com

**Dr. S.SELVAKANI**