Dr.M. SURESH KUMAR

SUMMARY:

- **Ph. D in Information and Communication Engineering** having eighteen years of experience in teaching with good knowledge in the area of Computer Science and Information Technology, currently working as **Professor, Department of Information Technology, Sri SaiRam Engineering College,** Chennai, India.

CAREER OBJECTIVE:

- To face challenges in Teaching and Administration.
- To seek a challenging career in Training, Research and Development activities.

PROFESSIONAL EXPERIENCE:

Summary

1. **June 2002 to till date**

   - Working as Professor in Information Technology.
   - Sri Sairam Engineering College, Chennai, India.

2. **Sep 2001 to June 2002**

   - Worked as Lecturer in Information Technology
   - Sri Sairam Polytechnic College, Chennai, India.

3. **April 2000 to Sep 2001**

   - Worked as a Faculty in **NIIT,** Gudiyattam Centre**.**

4. **Sep 1999 to March 2000**

   - Worked as Programmer in Shark InfoTech, Chennai.

5. **July 1998 to Aug 1999**

   - Worked as Faculty in Sri Thyagarajan Enterprises, Chennai.

EDUCATIONAL PROFILE:

HIGHEST LEVEL:

Ph. D (Information & Communication Engineering)
Anna University, Chennai, India.

Master of Engineering (M.E - Computer Science & Engg.)
Sathyabama University, Chennai, India.
Secured **First Class with Distinction**

Bachelor of Engineering (B.E - Computer Science & Engg)
University of Madras
Adhiparasakthi Engineering College, Melmaruvathur.
Secured **First Class**

ADDITIONAL QUALIFICATIONS

Master of Business Administration (MBA – Systems)
Alagappa University
Secured **First Class**

PAPERS PRESENTED – INTERNATIONAL/NATIONAL CONFERENCE:

1. **M.SureshKumar,** R.RajaMaheswari, Retortion for your Imperative Mails, **National Level Conference on Distributed Systems and Knowledge Engineering NCDK'05**, Sri SaiRam Engineering College, Sep 16th – 17th 2005.

2. **M.SureshKumar,** Multipath MultiHop Connectivity Selection for Seamless Flow of Data in Heterogenous Networks**, International Conference on Impact of Economic Crisis in Global Business Scenario**, Sri SaiRam Institute of Management Studies, Sep 24th & 25th 2009.

3. **M.SureshKumar,** Multipath MultiHop Connectivity Selection for Seamless Flow of Data in Heterogenous Networks, **AICTE Sponsored International Conference on Innovative Computing, Information and Communication Technology ICICT'09**, Sri SaiRam Engineering College, Dec 16th – 18th 2009.

4. **M.SureshKumar,** I.Anisha, Service Integration using SOA with Centralized Orchestration and Data Transformation Engine**, AICTE Sponsored National Conference on "Communication and NanoElectronics Technology 2011"** Sri SaiRam Institute of Technology, October 12-14 2011.

5. **M.SureshKumar**, I.Anisha, Service Integration using SOA with Centralized Orchestration and Data Transformation Engine, **International Conference on Information Communication and Embedded Systems ICICES 2012,   S.A Engineering College ,** 24th and 25th February 2012**.**

6. **M.SureshKumar**, D.Bhavithra, R.DeviPriya, G.Mahalakshmi, Semantic Web Search for Business Process Customization using OWL, **National Conference on Emerging Trends in Computer Science and Bio Informatics ETCSBI'12, VELS University**, March 30th 2012.

7. **M.SureshKumar,** B.Sakthivel, S.Selvakumar, T.Ashok**, "**Stability Maintain in a Multihop Wireless Network using Shortest Path Aided Back Pressure Algorithm**", National Conference on Emerging Trends in Computer Science and Bio Informatics ETCSBI'12, VELS University**, March 30th 2012.

8. **M.SureshKumar**, K.Rajeswari, E.Jeevitha, R.Stephygraph "Dynamic Web Service Composition through Network Analysis with Backtracking**" International Conference on Electrical Engineering and Computer Science (ICEECS 2012),** InterScience Research Network (IRNet), 7th 2012.

9. **M.SureshKumar**, P.Varalakshmi "A Novel Approach for Dynamic Web Service Composition through Network Analysis with Backtracking" **Fourth International Conference on Web & Semantic Technology (WeST-2012)** July 13 to 15, 2012. Chennai, India.

10. **M.SureshKumar**, P.Varalakshmi "Dynamic Web Service Composition based on Network Modelling with Statistical Analysis and Backtracking**" IEEE 7th International Conference on Computer Science and Education (ICCSE 2012)** July14-17, 2012 Melbourne, Australia

11. **M.SureshKumar,** M.Lavanya**, "**Intelligent Compression of Medical Images Based on MultiROI, **International Conference on Information Systems and Computing (ICISC-2013),** Sri SaiRam Engineering College Jan 4th & 5th 2013.

12. **M.SureshKumar,** S.Krithika, R.Kousika, S.Kirthika, "GSM based prepaid energy metering system with tampering detection, **National Conference on Information on and Communication Engineering**, RMK Engg College(NCICE 2014) Feb 24th 2014.

13. **M.SureshKumar,** J.Karthikeyan**, "**Monitoring QoS parameters of composed Web Services**"** IEEE **International Conference on Information Communication and Embedded System(ICICES 2014),** S.A Engineering College Feb 27th and 28th 2014.

14. 16**M.SureshKumar**, F.Anishya, "A novel approach for travel package recommendation using Bayesian approach", **IEEE International Conference on Computing and Communications Technologies (ICCCT15),** Sri SaiRam Engg College, Feb 26th and 27th 2015.

15. **M.SureshKumar**, P.UmaSruthi, "Connectivity Restoration in WSN using minimal topology changes", **IEEE International Conference on Computing and Communications Technologies (ICCCT15),** Sri SaiRam Engg College, Feb 26th and 27th 2015.

16. **M.SureshKumar**, P.Varalakshmi,F.Anishya, "A Novel Approach for Customized Travel Package Recommendation using Collaborative Filtering", Proceedings of **International Conference on Advances in Applied Engineering and Technology, ICAAET**, Syed Ammal Engineering College, Ramnad– 2015, May 14-16, 2015.

17. **M.SureshKumar**, V.Bharath Kumar, P.Varalakshmi, "QoS Aware Web Service Selection and Composition for Travels Application", Proceedings of the **National Conference on Recent Trends In Computing And Technology, NCRTCT'16**, Sri SaiRam Engg College, 29 th Apr 2016.

18. **M.SureshKumar**, P.Varalakshmi, "A Heuristic Approach for Web service Selection with Cost Optimization", **IEEE International Conference on Computing and Communications Technologies (ICCCT'17),** Sri SaiRam Engg College, February 23-24, 2017.

19. **M.SureshKumar**, S.Rajesh, "**Energy Optimization In Scheduling The Container Load And Job Scaling**." Second IEEE International Conference on Computing and Communications Technologies (ICCCT'17), Sri SaiRam Engineering College on February 23-24, 2017.

20. **M.SureshKumar**, Rahul Mistry, "Optimized Job Scheduling Based On Workload In Hadoop", Proceedings **of International Conference on Recent Research in Engineering 2017 ICRRE 2017**, SKR Engineering College, 31st March, 2017.

21. **M.SureshKumar**, B.Rakshana, T.Shalini, "Train Arrival Detection to avoid Track Accidents", Proceedings of the **National Conference on Recent Trends In Computing And Technology, NCRTCT'18**, Sri SaiRam Engg College, 7th March 2018.

22. **M.SureshKumar**, S.Hariharan, Scibi.S.V, Rajkumar.M, Ramachandran.C, "Warning System from Threat of Wild Animals using IoT", Proceedings of the **National Conference on Recent Trends In Computing And Technology, NCRTCT'18**, Sri SaiRam Engg College, 7th March 2018.

23. **M.SureshKumar**, J.U.Athulya, S.Jayashri, P.Suthanthira, "Mobile Application for Dyscalculics" , 8th International **Conference on Science And Innovative Engineering ICSIE'18**, Jawahar Engg College, 1st April 2018.

24. **M.SureshKumar**, V.Gowtham, S.AjithKumar, S.Balaji, "Air Quality Information based on IoT for Mobile Environment", Proceedings of the **National Conference on Emerging Technologies for Sustainable Engg & Management, NCETSEM'18**, Sri Muthukumaran Institute of Technology, 6th April 2018.

25. **M.SureshKumar**, S.Hariharan, Santhoshkumar, Balaji, Selvamani,"Warning System from Threat of Wild Animals using IoT", "**1st IEEE International Conference on International Conference on Recent Trends in Computational Engineering and Technology-(ICTRCET'18)"** on May 17th and 18th 2018, RAJARAJESWARI COLLEGE OF ENGINEERING (RRCE), Bengaluru.

26. **M. SureshKumar,** M Parthasarathy ; R Aniruth ," Power Efficiency and Automation Based on IoT", **Third IEEE International Conference on Computing and Communications Technologies (ICCCT'19),** Sri SaiRam Engineering College on February 21-22, 2019.

27. **M. SureshKumar,** V.Soundarya ,S.Kavitha ,E.S.Keerthika E.Aswini," Credit Card Fraud Detection Using Random Forest Algorithm", **Third IEEE International Conference on Computing and Communications Technologies (ICCCT'19),** Sri SaiRam Engineering College on February 21-22, 2019.

PAPERS PRESENTED – INTERNATIONAL/NATIONAL JOURNALS:

1. **M.SureshKumar**, I.Anisha "Service Integration using SOA with Centralized Orchestration and Data Transformation Engine" published in the **International Journal of Research in Information Technology and Sciences (IJRITS)** ISSN: 3899-X539 Vol. 1 Issue 1 April 2012, pp. 43-47.

2. **M.SureshKumar** and P.Varalakshmi "Dynamic Web Service Composition based on Network Analysis and Backtracking" published in the **European Journal of Scientific Research (EJSR)** ISSN 1450-216X Vol.77 No.1 (2012), pp. 151-157.

3. **M.SureshKumar** and P.Varalakshmi "Dynamic Web Service Composition Based on Network Modeling with Statistical Analysis and Backtracking" published in the **International Journal on Web Service Computing (IJWSC)** ISSN: 0976 - 9811 (Online); 2230 - 7702 (print) Volume 3, Number 2 June 2012, pp 11-20.

4. **M.SureshKumar**, K.Rajeswari, E.Jeevitha, R.Stephygraph "Dynamic Web Service Composition through Network Analysis with Backtracking" published in the **Undergraduate Academic Research Journal (URJA)** ISSN: 2278-1129, Volume-1, Issue - 1, 2012, pp 40-45.

5. **M.SureshKumar, "** A Novel Approach for Dynamic Web Service Selection and Composition based on Network Planning Model, published in the **SSEC TECH JOURNAL,** ISSN: 0975-2841, Volume 10, 2012 pp 42-50.

6. **M.SureshKumar,** M.Lavanya, "Intelligent Compression of Medical Images Based on MultiROI, published in **International Journal of Emerging Technology and Advanced Engineering (IJETAE)** ISSN:2250-2459, Volume 3, Special Issue 1, pp 490-493 January 2013.

7. **M.SureshKumar,** J.Karthikeyan**, "**Predicting Quality Measures of Composite Web Services**"** published in the **International Journal for Technological Research in Engineering,** ISSN(Online):2347-4718, Volume-1, Issue-4, pp 158-163 December 2013**.**

8. **M.SureshKumar,** P.Varalakshmi**, "An Optimal Constraint based Web Service Composition using Intelligent Backtracking"** published in **Journal of Web Engineering** ISSN(Online):1540-9589, Volume-13, Issue-5&6(2014), pp 430-449.

9. **M.SureshKumar**, F.Anishya, "**Discovering Real Time travel package recommendation using Collaborative Tagging**", published in the **International Journal of Scientific Research and Management,** ISSN(e):2321-3418, Volume-3, Issue-1(2015), pp2023-2028.

10. **M.SureshKumar**, P.Varalakshmi, F.Anishya, "A Novel Approach for Customized Travel Package Recommendation using Collaborative Filtering" , published in International Journal of Applied Engineering and Research(IJAER), ISSN 0973-4562, Vol. 10 No. 55(2015), pp 1660-1666

11. **M.SureshKumar,** Rahul Mistry, "Optimized Job Scheduling Based On Workload In Hadoop", **International Journal Of Emerging Technology In Computer Science And Electronics (IJETCSE)** , ISSN No 0976-1353,Vol 24 Issue 6, Apr 2017.

12. **M.SureshKumar,** S.Balaji "Air Quality Information based on IoT for Mobile Environment", **International Journal of Engineering and Technology (UAE)**, ISSN No 2227-524X, Vol 7 (4.39) (2018), pp 865-867.

WORKSHOPS/SEMINARS/SDP/FDP/CONFERENCES -ATTENDED/ORGANIZED:

Eight Weeks Online FDP on **"Courseware creation using Moodle for Outcome based Education (Second run)" from Nov 2019 to Jan 2020. (Ongoing)**

Participated in **India Innovation Challenge Design Contest 2019 powered by AICTE and anchored by NSRCEL@IIMB - ID NO- 1505843**

Acted as a **Panel member in M-APPS Club event on 06.09.2019**

Attended **AWS Innovate Online Conference on 18th July 2019**

Attended one day **Workshop on Intellectual Property Rights & Innovations on 20th July 2019** conducted by the Dept. of R&D, Sri SaiRam Engineering College

Attended two days **FDP on Emerging Trends of Cloud Computing & Industrial Application from 16.07.2019 to 17.07.2019** conducted by CSE Dept, Sri SaiRam Institute of Technology

Attended the **FDP program on Robotics** conducted by Department of Mechanical Engineering in association with Indian Society for Technical Education (ISTE) from 13.05.2019 to 18.05.2019 .

Attended 5 days **FDP program on Cloud Security and BlockChain Technology** from 22.4.19 to 26.4.19 conducted by IT Dept, Sri SaiRam Engineering College

Attended **FDP on Outcome Based Education** conducted by IQAC of Sri SaiRam Engineering College on 5th and 6th April 2019.

Attended 5 days **FDP program on NextGen TechStack** from 8.4.19 to 12.4.19 conducted by CSE Dept, Sri SaiRam Engineering College.

Attended **5 days FDP program TCS TECH WEEK from 18.3.19 to 22.3.19** conducted by Sairam Placement Cell.

Event Coordinator, Reviewer, Session Chair for International Conference on Computing and Communication Technologies (ICCCT'19) on 21st & 22nd Feb 2019.

Acted as an Overall In charge for **Hands on Training for D2D program on Feb15th 2019** for CSE/IT department

Attended **2019 Cisco Networking Academy Conference-India on 11th and 12th Feb 2019** at Bangalore

Coordinator **for INTERNSMELA'19 - Internship Hiring Process on 28**th **January 2019**

Coordinator for **Hands on Training on CCNA-Advanced Routing and Switching Techniques on 7th January 2019 for CISCO NETWORKING ACADEMY STUDENTS**

Attended one day FDP program titled **" Methodologies and Practices for profitable research through patents and IPR" sponsored by ALLINNOV R&D Pvt. Ltd., India on 4th January 2019**

Attended 5 days FDP on **FIREWALL 7.1: INSTALL, CONFIGURE AND MANAGE** by **ICTACT** at Sri SaiRam Engineering College from 9th Jan 2017 to 13th Jan 2017.

Attended **Workshop on Network Design-A Practical Approach**, Sri SaiRam Engg College, 3rd and 4th October 2013.

Attended **Two Days National Level Workshop on "Semantic Web Vision and Technologies using PROTEGE", Sathyabama University, 6th and 7th December 2012.**

Attended **One day Faculty Development Workshop on "Service Oriented Architecture",**
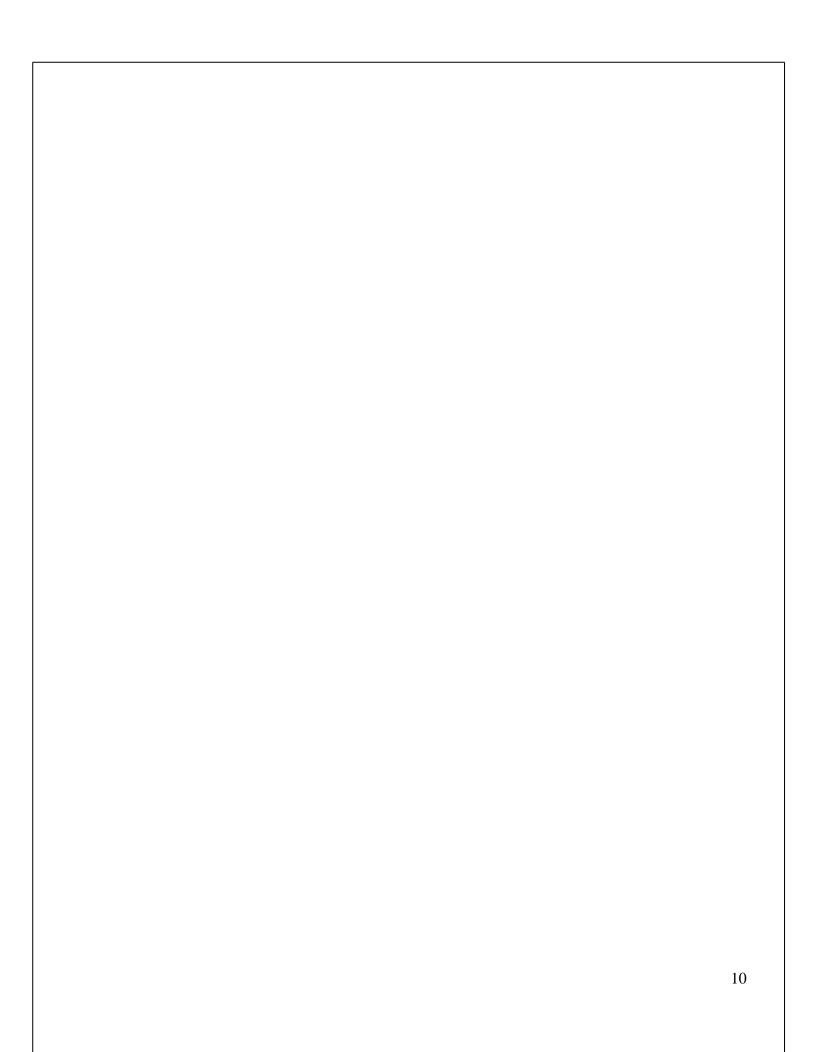
CTS,10th **Feb 2012.**

Workshop on Art of Journal and Thesis Writing, Sri SaiRam Engineering College, 19th January 2012.

Staff Development Programme (SDP) on Web Services, Sri SaiRam Engineering College, November 2nd and 3rd 2011.

AICTE Sponsored National Conference on "Communication and NanoElectronics Technology 2011" Sri SaiRam Institute of Technology, October 12-14 2011.

Internal Quality Auditor Training Programme on Quality Management System and Audit Training ISO 9001-2008 Creative Management Consultants, Chennai, 11th and 12th October 2011

International Workshop on Data Mining and Web Intelligence, Madras Institute of Technology, Anna University, Chennai – 20th and 21st January 2011.

10

Two Days **Workshop on Distributed Service Models, Anna University,** Chennai, 14th and 15th, October 2010.

Ministry of Communication & Information Technology(MOCIT) Sponsored National Level Seminar on **Research Methodologies in Next Generation Wireless Network using OPNET**, Sri Sairam Engineering College, Chennai – 19th – 21st August 2010.

Participated in **Mission 10X Workshop** at Sri SaiRam Engineering College, Nov 2- Nov 6 2009 conducted by WIPRO.

Two Days Workshop on Component Based Technology, SSN College of Engineering, Chennai –18th & 19th September 2009.

AICTE Sponsored Staff Development Programme (**SDP**), Mobile Networks, Sri SaiRam Engineering College, Chennai – 19th to 30th Jan 2009.

AICTE Sponsored Staff Development Programme (**SDP**), **Web Services & Applications**, Sri Sairam Engineering College, Chennai – 5th to 17th May 2008.

Faculty Development Programme (**FDP**), **Unix and Network Programming** Centre for Faculty Development, Anna University, Chennai – 3rd – 15th December 2007.

National Conference on Information & Communication Technology NCICT '07, Sri Sairam Engg College, Chennai, 9th and 10th of March 2007.

A National Level Workshop on Current Trends in Communication & Networking CTCN 2006, Madras Institute of Technology, Anna University, Chennai – 24th and 25th February 2006.
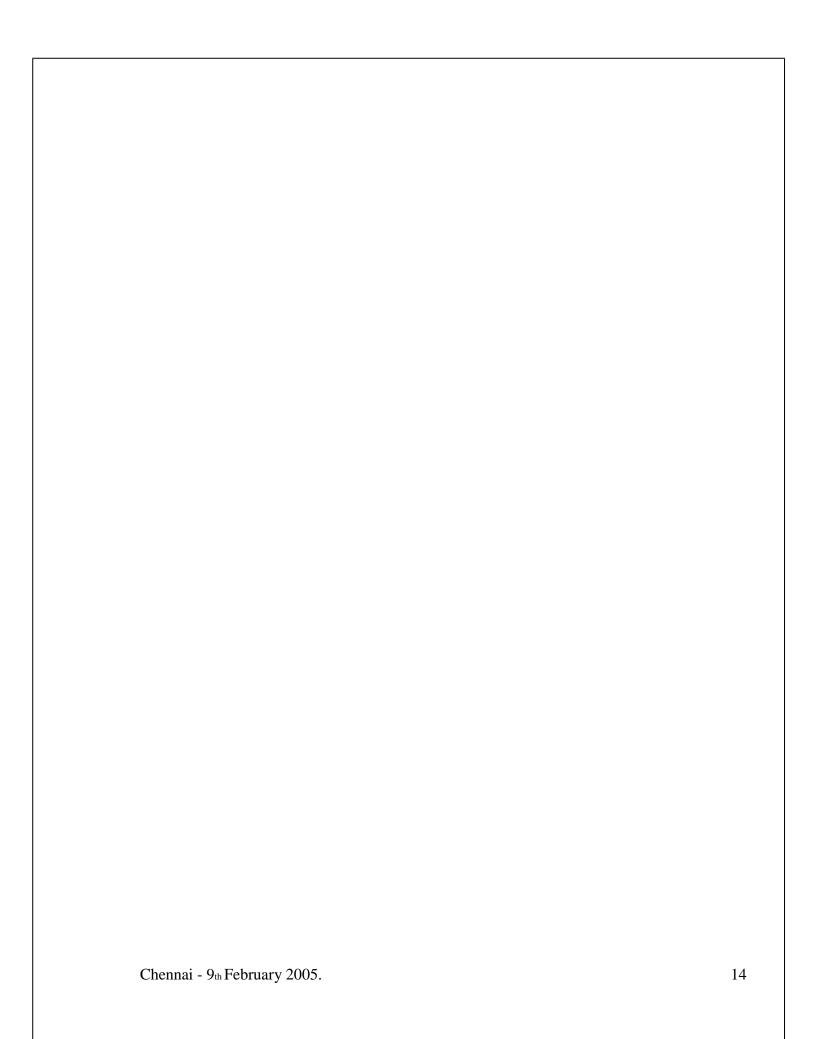
Short Term Training Programme (STTP) on Middleware Technologies, Sri Sairam Engineering College - 5th & 6th April 2006.

A National Level Workshop on Fundamental Principles of Psyo & Counseling for Engg Faculty, Sri Sairam Institute of Management Studies, Chennai, 18th & 19th August 2006.

Faculty Development Programme (FDP) on Computer Architecture, Sri SaiRam

Workshop on Distributed and Mobile Computing, Madras Institute of Technology, Anna University, Chennai, 15th March 2005.

Two Day Workshop on .NET and C# , Computer Society of India, Chennai Chapter and Sri Sairam Engineering College, 17th & 18th December 2004.

Faculty Development Programme (FDP) on Data Structure and Algorithms, Sri SaiRam Engineering College, 11th to 14th November 2004.

International Conference on Computer, Communication and Control, Sri Sairam Engineering College, Chennai, 20th – 22nd of August 2004.

Internal Quality Auditor Training Programme on Quality Management System and Audit Training, Creative Management Consultants**,** Chennai - 10th May 2003.

Seminar on Effective Teaching, G.K.M College of Engineering & Technology, Chennai, 12th August 2002.

FUNDED PROJECTS SANCTIONED/SUBMITTED :

1. DST proposal **submitted** as Co-Investigator **on SUPPORT TO FARMERS FOR GETTING MAXIMUM PROFIT FOR THEIR PRODUCE – A FIELD TO MARKET F-M APP [TPN / 27352]** during March 2019 cost 5177300**/-**

2. **Sanctioned Rs.3,67,500/-** for the course **Junior Software Developer** for the academic year 2018-19 under the **Pradhan Mantri Kaushal Vikas Yojana for Technical Institutes (PMKVY-TI) by AICTE, NewDelhi.**

3. **Submitted to TNSCST** for the project titled **"Intelligent Traffic Signal Monitoring System Using Image Processing"** by Anu Valliammai R, Jayakrithika K under the guidance of Dr.M.SureshKumar for year 2019-2020. Cost 6600/-

CERTIFICATE COURSES COMPLETED

1. **Completed MS-TRILOGY (Diploma in RDBMS) in Software Solution Integrated Limited**, Chennai, August 1998.

2. **Brainbench Certified Java2 Programmer** – Transcript ID I694528 – December 2000.

3. **Co**mpleted **Technical Enhancement Training on LINUX Administration** in Advantage from 03rd –10th June 2003.

4. Completed **CISCO Certified CCNA V7 Module 1, Module 2** and **Module 3** course at **Amrita Vishwa Vidyapeetham, Instructor Training Centre.**

5. Completed **PALO ALTO certified Firewall: Install Configure and Manage** course on Jan 2017.

6. Complete **CISCO Certified courses on**

   - Introduction to IoT

   - Introduction to Cyber Security

   - Cyber Security Essentials

   - Emerging Technology Workshop - Network Programmability with Cisco APIC-EM

7. Completed **UDEMY Online Courses** on

   - Programming with Python: Hands-On Introduction for Beginners

   - Cool Cisco IOS commands. Master CLI tips = CLI like a Boss!

   - CompTIA Network+ Certification Preview".

8. Completed **IEEE Certified** course on **Enterprise Blockchain for Healthcare** with 3 Professional Development Hours in October 2019

9. Completed **41.5 hours of UDEMY online Course on Machine Learning A-Z: Hands on Python& R in Data Science** during Nov 2019.

10. Completed **MATLAB Onramp** self-paced online course by **MathWorks Training Services** on Nov 2019

11. Completed **IITBX** course on **LaTeX for Students, Engineers, and Scientists** from Sep24 to Dec 3 2019.

12. Completed more than 50 courses in Coursera

MEMBERSHIP WITH PROFESSIONAL BODIES / REVIEWER DETAILS

- Life Member of Indian Society for Technical Education (**ISTE**). **Membership No : LM35699**
- Membership in International Association of Computer Science and Information Technology (**IACSIT**), Singapore, Membership No: **80341683.**
- Membership in International Association of Engineers (**IAENG**)
- Professional Member in Institute for Engineering Research and Publication **(IFERP)**- **Membership ID no PMIN03618257.**
- Reviewer in Advances in Science, Technology and Engineering Systems Journal (**ASTESJ**) in the CAI. Computer Science, Artificial Intelligence, **Reviewer Code: RVCAI0541** (ISSN: 2415-6698)
- Reviewer in International Journal of Research and Analytical Reviews**(IJRAR)** journal - **Member ID 115314**

OTHER ACTIVITIES

- Taking care of **Overall Campus Networking, Website Maintenance** in the college

- Recognized **Cisco Networking Academy Instructor for CCNA Module 1, 2 and Module 3 and Handling value added courses** for CSE/IT students

- Coordinating all **Online based Examinations for Placement and other consultancy based Examinations**

- Handled classes for **Part time B.E/ B.Tech Course**, Madras Institute of Technology, Anna University, Chennai.

- Acting as a **Criteria Coordinator for NBA, NAAC** for the college.

- **Computer Lab Incharge**, Sri Sairam Engg College, Chennai.

- Coordinator for **Anna University Practical Examination**

- **Committee member in** Online **Student Feedback System.**

- **Department Placement Co-ordinator** for 5 years in Sri Sairam Engg College,

- Got **Best Teacher Award** for the year 2006 from **LIONS CLUB OF METROPOLITAN SOUTH,** Chennai**.**

- Acted as a **Class Coordinator** for the batch **2002 – 2006**.

- **Examiner and Question Paper setter** in Anna University, Sathyabama University, Hindustan Univeristy, Bharath University, Pondicherry University, Vels University, SRM University.

- **Chairman/Vice Chairman /Chief Examiner** – Centrral Valuation –M.I.T , Anna University

- **Guiding Students Projects** (Internal and External).

- Submitted **AICTE MODROB** project at AICTE, New Delhi.

- **Actively involved in all Departmental Activities** like Technical Symposium, Industrial Visit, Educational Tours, Workshops and Seminars.

PAPERS HANDLED/HANDLING:

Programming in JAVA, Web Technology

Internet Concepts and Programming

Network Programming and Management

Software   Engineering

Object Oriented Analysis and Design

Object Oriented Programming

Software Project Management, Software Testing

Big Data, Cloud Computing, Machine Learning

Network Design and Security, Operating System

Data warehousing and Mining

PERSONAL PROFILE

Address for Communication	:	LINDA ENCLAVE
		F2, Plot No.20, Lakshmi Nagar Main Road
		Madipakkam, Chennai – 600 091
		9940371151
Email	:	suresh.priya.kumar@gmail.com
Date of Birth	:	14th April 1977
Sex	:	Male
Martial status	:	Married
Hobbies	:	Music & Reading books

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge.

Date:

Station: (M.SureshKumar)