Name: Dr.D.SENTHIL KUMAR

Designation: ASSISTANT PROFESSOR

Department: DATA SCIENCE (PG)

Date of Joining: 08-08-2022

Phone with Extn. No: 9788002499

Email: senthilkumar@americancollege.edu.in

Educational Qualification:

Degree	Subject	College / University& Place	Year Completed
Ph.D	Information & Communication	Anna University Chennai	2021
M.E	Digital Communication and Network Engineering (2003-2005)	Arulmigu Kalasalingam college of Engg., Krishnankoil /Anna University,Chennai	2005
B.E	Electronics and Communication Engineering (1999-2002)	Raja College of Engineering And Technology, Madurai. / M.K University	2002

Specialisation in Teaching: Data Mining

Specialisation in Research: Data Mining and Warehousing

Research Interests:

Other Work Experience:

Designation	Institution / Company	Year - From (month/year) To (month/year)
Associate professor	K.L.N.College of Information Technology	11-8-2011 to 30-06-2022
Lecturer	K.L.N.College of Information Technology	9-8-2006 to 10-8-2011
Lecturer	Pandian Saraswathi Yadava Engineering College	20-6-2005 to 7-7-2006
Hardware Engineer	Sophia info logy	7-6-2002 to 28-7-2003

Administrative /Academic Position/s (held/currently holding):

Positions held / currently holding	Year - From (month/year) To month/year)
ASSISTANT PROFESSOR	1 year 10 Months

RESEARCH PROJECT

TITLE: INTELLIGENT BASED WATER QUALITY ASSESSMENT USING SOFT COMPUTING APPROACH

Abstract:

For the life of human beings, water is necessary. While nearly 70% of the water on the earth is drained, just 3% of the rest is known to be fresh water. Moreover, approximately 2.6% of the water trapped in glaciers and polar ice caps, contained in the soil or water is heavily poisoned or unnecessarily drained below the earth's surface. So only 0.4% of the drinkable water in the world is shared by the 7 billion inhabitants. Fresh water is therefore a valuable resource to be regulated and properly maintained. The machine learning algorithm has also been used to forecast the water quality based on its data set, which is learned from a number of water samples. This system has been was modeled by using the U_{D00}* 86 Ultra and Teensy++2.0 data processors at low budgets. Then in the second stage of the research work Enhanced Automated Machine Learning Model called EAMLM is developed. Moreover, the proposed model utilizes Internet of Things (IoT) based sensors to obtain the quality factors of water such as pH rate, Temperature, Nitrogen, Phosphorous, Total Hardness and Total Dissolved Solids (TDS). The model integrates the IoT analysis with the operations of Machine Learning methods to evaluate the real-time data of water samples obtained from local areas. In particular, the EAMLM algorithm is framed with the combined efficiencies of Modified Ranking based on K-Nearest Neighbours and Random Forest (RF) model. Further, Raspberry Pi3 a low cost kit embedded for sample testing is used and the model is simulated and evaluated using WEKA tool. The classification results show that the EAMLM provides better accuracy than other traditional models. Thereafter in the third stage of research a novel model called Water Quality Evaluation and Monitoring Model (WQEM) has been developed which utilizes machine learning and Internet of Things (IoT) technique for performing water quality test. Moreover, Water Quality Index that estimates the basic water qualities based on that Quality Classification is also but is to use along with Multi Layer Perceptron (MLP) based classification model. This work mainly focuses on the water fluoride content and other factors such as Dissolved Oxygen, Total Dissolved Solids and pH. The experimentation is carried out using Raspberry Pi3 test kit and WEKA tool using the real-time data.

M.E PROJECT

TITLE: TOPOLOGY DISCOVERY IN HETEROGENEOUS IP NETWORK.

Abstract:

Knowledge of the up-to-date physical topology of an IP network is crucial to a number of critical network management tasks, including reactive and proactive resource management, event correlation, and root-cause analysis. Given the dynamic nature of today's IP networks, keeping track of topology information manually is a daunting (if not impossible) task. Thus, effective algorithms for automatically discovering physical network topology are necessary. Earlier work has typically concentrated on either 1) discovering logical (i.e., layer-3) topology, which implies that the connectivity of all layer-2 elements (e.g., switches and bridges) is ignored, or 2) proprietary solutions targeting specific product families. In this paper, we present novel algorithms for discovering physical topology in heterogeneous (i.e., multi-vendor) IP networks. Our algorithms rely on standard SNMP MIB information that is widely supported by modern IP network elements and require no modifications to the operating system software running on elements or hosts. We have implemented the algorithms presented in this paper in the context of the Net Inventory topology-discovery tool that has been tested on Lucent's own research network. The experimental results clearly validate our approach, demonstrating that our tool can consistently discover the accurate physical network topology with reasonably small running-time requirements even for fairly large network configurations.

B.E PROJECT

TITLE: RECONFIGURABLE COMPUTING USING VLSI

Abstract:

Reconfigurable architectures can bring unique capabilities to computational tasks. They offer the performance and energy efficiency of hardware with the flexibility of software. In some domains, they are the only way to achieve the required, real-time performance without fabricating custom integrated circuits. Their functionality can be upgraded and repaired during their operational lifecycle and specialized to the particular instance of a task. We survey the field of reconfigurable computing, providing a guide to the body-of-knowledge accumulated in architecture, compute models, tools, run-time reconfiguration, and applications.

NATIONAL /INTER-NATIONAL CONFERENCE

1. "Improving the crop productivity using Machine Learning", has presented a paper on 20th &21st April 2023 in the International Conference on Data Transformation ICDT"23 held at The American College, Madurai.

2. "Assessment of Water Quality using Data Mining", has presented a paper on 21st March 2017 in the National

Conference on Recent Trends in Engineering and Information Technology RTEIT'17 held at KLN College of

Information Technology, Sivagangai.

3. "An Efficient Loose Virtual Clustering Algorithm for WSN", has presented a paper on 16.12.2016 to 17.12.2016 in the Fifth International Conference on Design and Applications of Structures, Drivers, Communicational and Computing Systems – ICDASDC'16 held at KLN College of Information Technology, Sivagangai.

4. "Exploring Data Analytics and Sensor Technology for Water Quality Assessment: A Case Study on Madurai Region", has presented a paper on 16.12.2016 to 17.12.2016 in the Fifth International Conference on Design and Applications of Structures, Drivers, Communicational and Computing Systems – ICDASDC'16 held at KLN College of Information Technology, Sivagangai.

5. "Health Monitoring for Prospective Manipulation by Advanced in Wearable Sensor" has presented a paper on 11th to 12th March 2016 in the ICETET' 16 held at Pandian Saraswathi Yadav Engineering College, Sivagangai.

6. "A Holistic view of Ranking Fraud Detection System for Mobile Apps" has presented a paper in the National Conference NCSMCAIT'16 on Social, Mobile, Cloud Analytics and Internet of things held at KLN College of Information Technology, Sivagangai.

7. "A Novel Multi-Factor and Multi Server Authenticated Schema in Smart Cards" has presented a paper in the National Conference NCSMCAIT'16 on Social, Mobile, Cloud Analytics and Internet of things held at KLN College of Information Technology, Sivagangai.

8. "RERMTG Algorithm – Energy Consumption in Underwater Sensor Network" has presented a paper on 10th March 2015 in National Conference on Advanced Computing and Changing Paradigm in Computer Applications held at Karpagam College of Engineering, Coimbatore.

9. "Cognitive Radio Networks based on Beam-Forming Algorithm for Amplify and Forward Relay Channels" has presented a paper on 10th March 2015 in National Conference on Advanced Computing and Changing Paradigm in Computer Applications held at Karpagam College of Engineering, Coimbatore.

10. "Distinctive Identification of Glaucoma Disease Using PNN Classifier", has presented a paper on 13th and 14th March 2015 in the International Conference on Emerging Trends in Engineering and Information Technology ICETET'15 held at Pandian Saraswathi Yadav Engineering College, Sivagangai.

11. "Amplify and Forward (AF) Multiple Users Using Multi Relay Process on Beam Forming Wireless Network" has presented a paper on 5th and 6th March 2015 in the Second National

Conference on Computational and Internetworking Information Technology NCCIIT'15 held at Anna University Regional Centre, Coimbatore.

12. "Issues of Inter-Link Rooting in Wireless Networks" has presented a paper on 19th and 20th December 2014 in the Third National Conference on Design and Application of Structures, Drives, Communicational and Computing Systems (ICDASDC-2014) held at KLN College of Information Technology, Sivagangai.

13. "An Enhanced Intrusion Detection System for MANETS" using EAACK" has presented a paper on 07th to 8th March 2014 in the International Conference on Emerging Trends in Engineering and Technology held at Pandian Saraswathi Yadav Engineering College, Sivagangai.

14. "Inimitable Etiquette for Space and Terrestrial Hinderence Lenient Networks", has presented a paper in the HI-TECH Trends in Emerging Computational Technologies organised by Department of Computer Science and Engineering on 29th to 30th March 2012, held at Sethu Institute of Technology, Madurai.

15. "How to Plan, Write and Publish Research Paper in Refereed Journal", has participated in the one-day workshop organized by the Department of Electrical and electronics Engineering on 07-12-2013 held at RMK Engineering College, Chennai.

16. "Securing the Network Out of Blackhole Attack using Reactive AODV Scheme", has presented a paper in the International Conference CSCT on 8th May 2010, held at KLN College of Information Technology, Sivagangai.

17. "Asymmetric Key Cryptography in Wireless Adhoc Network", has participated in the National Conference ECNT'09 organised by the department of Computer Science and Engineering on 19th to 20th March 2009, held at KLN College of Information Technology, Sivagangai.

18. "Boundary Mapping and Boundary State Routing (BSR) in Adhoc Networks", has presented a paper in the National Conference on Emerging Trends in Computing and Information Technology on 28th March 2009, held at Srinivasa Institute of Engineering and Technology, Chennai.

19. "Network Engineering", has participated in the National Conference organised by TIFAC-CORE on 4th to 5th March 2005, held at Arulmigu Kalasalingam College of Engineering, Krishnankoil.

20. "Recent Trends in Communication", has participated in the National Conference NCRTC 2005 organised by the department of Electronics and Communication Engineering on 12th to 13th May 2005, held at Arulmigu Kalasalingam College of Engineering, Krishnankoil.

21. "Recent Advances in Industrial Networking (RAIN'05)", has participated in the First National Conference organised by the department of Electronics and Instrumentation Engineering on 17th to 18th March 2005, held at Noorul Islam College of Engineering, Kumaracoil, Kanyakumari District.

FACULTY DEVELOPMENT PROGRAMME

1. "Big Data Analytics and Cyber Security Solutions" has attended the DRDO Sponsored Two Day Workshop on 27th and 28th March 2023, organized by Department of Applied Mathematics and Computational Science held at Thigarajar College of Engineering Madurai.

2. "ICT Tools for Effective Teaching –Learning Environment" has attended Five Day Faculty Development Programme from 24th to 28th July 2023, organized by Department of Computer Science and Engineering held at Pandian Saraswathi Yadav Engineering College, Sivagangai.

3. "Blockchain Technology Workshop "has participated five Days workshop from 28th Aug to 1st Sep 2023,organized by Association of Computer Science held at National institute of Technology Pondicherry,

4,"Recent Trends in Computing intelligence & industry 4.0" has attended one day International Seminar on 24th March 2023,organized by department of Computer Science,information Technology and Computer applications held at Mannar Thirumalai Naicker College,Madurai.

5. "Principle of Cyber Security", has participated Three days Faculty development Programme from 25th to 27th May 2023, organized by the department of Computer Science and Engineering held at Kamaraj College of Engineering & Technology, Viruthunagar.

6. "Adaptive AI-based Health Surveillance System", has attended CSIR Sponsored Two days National level Technical seminar from 14th to 15th September 2022 organized by department of Computer Science and Engineering held at Hindustan Institute of Technology,Combatore.

7. "Faculty orientation programme", has attended one day workshop on 20th September 2022,organized by internal Quality Assurance cell(IQAC) held at The American College, Madurai.

8. "Art and Science of Methodical Scientific Writing & Publishing in a High impact Journal", has attended one day workshop on 06th March 2022,organized by internal Quality Assurance cell(IQAC) held at The American College, Madurai.

9. "Artificial Intelligence", Served as a Coordinator for Faculty Development Training Programme on 2nd to 8th January 2017 organised by Centre for Faculty Development Anna University, Chennai.

10. "Advanced Research Techniques for Development of Intelligent Systems through Computer Vision (ARTISCV)", has attended the DRDO Sponsored Two Day Seminar on 13th and 14th September 2012, organized by Department of Information Technology held at KLN College of Information Technology, Sivagangai.

11. "C# and .NET", has participated in the Faculty Development Program on 20th to 24th June 2011, organized by Department of Information Technology held at KLN College of Information Technology, Sivagangai.

12. "Managerial Skills", has participated in the Faculty Development Program organized by the Training and Placement cell on 10th January 2011 held at KLN College of Information Technology, Sivagangai.

13. "Cryptography and Network Security", has participated in the Faculty Development Program on 2nd to 3rd February 2011, held at KLN College of Information Technology, Sivagangai.

14. "VLSI Design", has participated in the Two Day Faculty Development Workshop on 18-05-2009 and 19-05-2009, held at KLN College of Information Technology, Sivagangai.

15. "An Architectural Overview of Relational Database Management System", has participated in the Faculty Development Workshop on 9th to 11th September 2009, held at KLN College of Information Technology, Sivagangai.

16. "Computer Networks", has successfully completed the course on 28th to 9th June 2007 organised by Centre for Faculty Development Anna University, Chennai.

NATIONAL/INTERNATIONAL WORKSHOP

1. "NS-3 Simulation and Emulation", attended Two Days workshop held on 29th and 30th December 2016 organized by Department of Computer Science at KLN College of Engineering, Sivagangai.

2. "IT-6711 – Data Mining Laboratory", attended Two Days Workshop held on 28th and 29th June 2016 organized by Department of Information Technology held at KLN College of Information Technology, Sivagangai.

3. "IT-6611 – Mobile Application Development Laboratory", attended National Level workshop held on 25th January 2016 organized by Department of Information Technology held at KLN College of Information Technology, Sivagangai.

4. "Exploring the Impact of Data Analytics in Health Care – EIDAH 2016", attended Five Days National workshop held on 07th to 11th November 2016 organized by Indian Council of Medical Research at KLN College of Information Technology, Sivagangai.

5. "Baseband Wireless Communication – Theory and Practice", attended TEQIP sponsored workshop held on 29th to 31st October 2015 organized by Department of Electronics and Communication Engineering held at Thiagarajar College of Engineering, Madurai.

6. "Research Methodology for Science and Engineering", has participated in the workshop organized by the Department of Mechanical and Computer Science and Engineering on 29th March 2014 held at Vickram College Engineering, Madurai.

7. "Innovative Research Prospected on Wireless Sensor Networks", has participated one Week Faculty Development Program on 15th to 21st December 2014, organized by the Department of Electronics and Communication Engineering held at KLN College of Information Technology, Sivagangai.

8. "Cloud Computing", attended workshop held on 4th and 5th February 2012 organized by Department of Information Technology held at Thiagarajar College of Engineering, Madurai.

9. "Network Simulator (NS2)", attended Two Days Workshop held on 29th and 30th August 2011 organized by Department of Information Technology held at KLN College of Information Technology, Sivagangai

10 "Mobile Computing and Communication", has participated in the Workshop organized by Department of Electronics and Communication Engineering on 29th and 30th January 2009 held at Sri Venkateswara College of Engineering, Sripermbudur.

11. "Effective Teaching Methodology", has participated in the One Day Training Program organized by the Training and Placement on 22-11-2006 held at KLN College of Information Technology, Sivagangai

12. "Computer Aided Design of Light wave Systems", has participated in the Two Days State Level Workshop organised by the Electronics and Communication Engineering Department on 17th to 18th February 2005, held at National Engineering College, Kovilpatti.

CERTIFICATION COURSE

1. "Foundation Program 4.0", has participated in the Faculty Enablement Program on 5th to 9th January 2015,organized by Infosys Limited held at KLN College of Information Technology, Sivagangai.

2. "FP Training Tools and Teaching Methodologies", has participated in the Faculty Enablement Program on 3rd to 7th February 2014, organized by Infosys Limited held at M.Kumarasamy College of Engineering, Karur.

3."High Impact Teaching Skills ",has successfully completed a Workshop on 5th and 6th of January 2009,attested by Dale Carnegie & Associates,inc.Trainer and Wipro,Mission10X

4. "Oracle 9i Database Administration Fundamentals I R2", has successfully completed on 21st August 2009 at Oracle University, Bangalore.

5. "Oracle 9i Database Administration Fundamentals II R2", has successfully completed on 27st August 2009 at Oracle University, Bangalore.

6. "Storage Technology Foundations", has successfully completed on 30th May 2008 at Global Service Technical Training, Bangalore.

MEMBERSHIP

"The Indian Society for Technical Education", has admitted as a LIFE MEMBER of the society, an organization for promoting the quality and standards in technical education 2006.

ACADEMIC AND ADMINISTRATIVE WORK

- University Examination Cell Incharge, K.L.N. College of Information Technology, from Jan 2020 to till date.

- Appointed as Chief Anna University Representative (CAUR) for the April/May 2017 Anna University Examination at 9218-Sree Sowdambika College of Engineering 27.11.2017 to 05.12.2017, and 03.12.2018 to 10.12.2018.

- Appointed as Local Coordinator for TNHB Written Examination for the Post of Junior Assistant and Typist, Assistant Engineer and Technical Assistant held at K.L.N. College of Information Technology, conducted by Anna University Chennai on 23.09.2017 and 08.10.2017.

- Appointed as Chief Anna University Representative (CAUR) for the April/May 2017 Anna University Examination at PSR College of Engineering and Technology for Women 02.05.2017 to 06.05.2017.

- Appointed as Deputy Presiding Officer for GATE 2017 Online Examination held at K.L.N. College of Information Technology on Saturday, 04th February and 05th February 2017, 11thFebruary and 12th February 2017.

- Appointed as Chief Superintendent for Anna University Examinations Nov/Dec 2016 at K.L.N. College of Information Technology.

- Appointed as Local Coordinator for Competitive Written Examination for the Post of Junior Assistant – Accounts and Junior Technician (Electrical & Mechanical) – TANGEDCO 2016, held at K.L.N. College of Information Technology, conducted by Anna University Chennai on 27.08.2016 and 28.08.2016.

- Appointed as Chief Superintendent for Competitive Written Examination for the Post of Assistant Engineer – TWAD 2016 (Zone 1) conducted by Anna University Chennai, held at K.L.N. College of Information Technology, on 14.08.2016

- Appointed as Chief Superintendent for Competitive Written Examination for the Post of Typist – TANGEDCO 2016,held at K.L.N. College of Information Technology, conducted by Anna University Chennai on 19.06.2016

- Appointed as Chief Superintendent for Anna University Examinations April/May/June 2016 at K.L.N. College of Information Technology.

- Appointed as Chief Examiner for MTS Examination, Postal Department held at K.L.N. College of Information Technology on 24.04.2016.

- Appointed as Deputy Presiding Officer for GATE 2016 Online Examination held at K.L.N. College of Information Technology on Saturday, 30th January and 31st January 2016, 06thFebruary and 07th February 2016.

- Appointed as Chief Superintendent for Anna University Examinations Nov/Dec 2015 & Jan 2016 at K.L.N. College of Information Technology.

- Training and Placement Officer at K.L.N. College of Information Technology, Pottapalayam, Sivagangai Dt. Pincode – 630 612 from 01st November 2015 to till date.

- Appointed as Chief Superintendent for Anna University Examinations April/May/June 2015 at K.L.N. College of Information Technology.

- University Examination Cell Incharge, K.L.N. College of Information Technology, from 02nd March 2015 to 31st Jan 2017.

- Venue Incharge for Ordinance Factory Board Examination held at K.L.N. College of Information Technology on Sunday, 22nd February 2015.

- Appointed as Deputy Presiding Officer for GATE 2015 Online Examination held at K.L.N. College of Information Technology on 1st January 2015, 01st February 2015, 07thFebruary 2015 and 08th February 2015.

- UG Project Coordinator, Department of Information Technology, K.L.N. College of Information Technology for the Academic Year 2013-2014, 2014-2015.

- Appointed as Deputy Presiding Officer at K.L.N. College of Information Technology for GATE 2014 Online Examination held on Sunday, 02nd February 2014, 01st March 2014 & 02nd March 2014.

- Placement Coordinator for Department of Information Technology, K.L.N. College of Information Technology from July 2012 to till date.

- Infosys Campus Connect Core Team Member and Anchor,K.L.N. College of Information Technology from January 2014 to till date.

- SAP University Alliance, Department of Information Technology Coordinator & trainer from July 2011 to Dec 2014.

- Placement Promotion Officer, K.L.N. College of Information Technology from August 2010 to Oct 2015.

- Hall Supervisor, for the TANCET Examination held at K.L.N. College of Information Technology for the year TANCET 2010,2011,2012,2013, & 2014.

- Appointed as External Examiner for Anna University UG & PG Practical Examination & UG & PG Project Viva-Voce Examination from the academic year 2001-2002 to till date.

- Multimedia Laboratory In-charge, Department of Information Technology, K.L.N. College of Information Technology from July 2012 to December 2013.

- IBM-CoE Laboratory In-charge from August 2011 to January 2011.

- Class In-charge for M.Tech. (IT), 2011-2013 Batch for the academic year 2011-2012 & 2012-2013.

PAPER PUBLISHED

1.Senthil Kumar, D, Askarunisa, A & Mohan Kumar, R 2020, 'Embedded processor based automated assessment of quality of the water in an IoT background', in Microprocessors and Microsystems, Elsevier, Print ISSN: 0141-9331, vol. 77, pp. 1-11,Available from: DOI: <https://doi.org/10. 1016/j.micpro.2020.103167>, Anna University Listed Journal, **Annexure I, Impact Factor: 1.161.**

2. D. SENTHIL KUMAR, "Distinctive Identification of Glaucoma Disease Using PNN Classifier",

International Journal of Innovative Science, Engineering and Technology, Vol. 2 Issue 5 May 2015 ISSN: 2348

– 7968.

3.S S Arumugam1, a), C Viswanathan2, K Anand3, D SenthilKumar4 "An Analysis for Feature Selection Framework and Language Using Opinion Mining", International Conference on Biomedical Engineering and Computing Technologies (ICBECT '22)AIP Conf. Proc. APRIL 25 2023, 2603, 060005-1–060005-8; https://doi.org/10.1063/5.0126999,Published by AIP Publishing

REVIEWER

S.NO	Name of the Journal	Reviewed paper
1.	**Measurement: Sensors**	MULTI-TASK CROW SWARM-INTELLIGENT ALGORITHM FOR ENHANCING SPECTRUM EFFICIENCY AND ENERGY CONSERVATION IN COGNITIVE RADIO AD-HOC NETWORKING
2.	**The International Journal of Advanced Manufacturing Technology**	PERSPECTIVES ON RECENT BREAKTHROUGHS IN LASER POWDER BED FUSION FOR METAL ADDITIVE MANUFACTURING
		ANALYSIS ON TIRE DERIVATE AGGREGATE IN MORTAR AND CONCRETE FOR MANUFACTURING APPLICATIONS
3.	**Soft Computing**	A STAGE-DRIVEN CONSTRUCTION ALGORITHM OF UNDIRECTED INDEPENDENCE GRAPH FOR BAYESIAN NETWORK STRUCTURE LEARNING"

AWARDS

1. Achieved Long Service Certificate in appreciation of 10 years of good service with KLN College of Information Technology, Madurai.

2. Achieved 100% Result in the subject IT9255 –Pervasive Computing of Anna University Theory Examinations in the academic year 2013-2014 held at KLN College of Information Technology, Madurai.

3. Achieved 100% Result in the subject IT1301-Information Coding Techniques of Anna University Theory Examinations in the academic year 2011-2012 held at KLN College of Information Technology, Sivagangai.

4. Achieved 100% Result in the subject Telecommunication Systems of Anna University Theory Examinations in the academic year 2010-2011 held at KLN College of Information Technology, Sivagangai.

5. Achieved 100% Result in the subject Linear Integrated Circuit of Anna University Theory Examinations in the academic year 2008-2009 held at KLN College of Information Technology, Sivagangai.

PERSONAL DETAILS

Date of Birth	:	07-04-1980
Gender	:	Male
Marital Status	:	Married
Nationality	:	Indian
Father's Name	:	C.Duraipandi
Mother's Name	:	D.Vanaroja
Siblings	:	05 Elder Sister
Spouse's Name	:	S.Madhu
Kids	:	02 (Lakkshaya & Thanvick Durai)
Languages known	:	Speak: English, Tamil
		Read: English, Tamil
		Write: English, Tamil
Permanent Address	:	Door No. 4/205,
		Cheran Street,
		Aathikulam,Reserve Lane
		Tamilnadu,
		Pincode: 612 014.
Hobbies	:	Playing Shuttle, Swimming
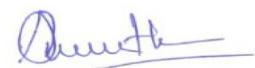
PROFESSIONAL REFERENCES

1. Dr.S.S Arumugam,
Associate Professor,
Department of Computer Science and Engineering,
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SIMTAS
Chennai
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Mobile: +919865821596

2. Mr.S.K.Karthikumar,
Lead -Consultant,
Talent Factori Pvt Ltd,
Chennai
Email: karthikkumar.kanakarajan@gmail.com
Mobile: +919962567199

DECLARATION

I hereby declare that the details mentioned above are true to the best of my knowledge and belief.

Place:Madurai

Date:12.03.2024   **(Dr.D.SENTHIL KUMAR)**