

Prof. Dr.T. KUMANAN, M.E., PhD.,

Professor,

Faculty of Engineering & Technology

Department of Computer Science and Engineering,

Dr MGR Educational and Research Institute

Chennai, Tamil Nadu 95

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Mail Id : kumanan.cse@drmgrdu.ac.in

Scopus ID : 5720125958

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Vidwan ID : 286074

Scholar Google ID : k8XVcngAAAAJ



About Myself

- **PhD** in Faculty of Information and Communication Engineering, Anna university, Chennai - 2014
- **M.E** in Department of Computer Science and Engineering ,Anna university, Chennai – 2005
- **Supervisor** for PhD Scholars under Meenakshi Academy of Higher Education and Research, Chennai. And Dr.MGR Educational and Research Institute, Chennai.
- **29 years** of teaching experience from Meenakshi Group of colleges and Dr.MGR Educational and Research Institute, Chennai.
- **Received Grant Rs 5 lakhs** Consultancy Projects collaboration with chip thing labs “Development of Smart Healthcare Monitoring System using Artificial Intelligence Techniques with IoT” in the year 2016-18.
- Published **Indian patent**.

Research Area

- Artificial Intelligence, Machine Learning, Deep Learning, Data Science, Mobile Ad Hoc Networks, Image Processing.

Google Scholar and Scopus Citations:

H-INDEX	: 10
10 INDEX	: 04
Number of citation	: 382
Scopus H- index	: 02
Number of Citation	: 173

Editorial Board

- International Scientific Journal of Contemporary Research in Engineering Science and Management
- Programme Committee the International Conference On Emerging Trends in Science , Engineering And Management (ICETSEM-2021) going to commence from 21st - 23rd January 2021..
- Associate Editor in Machine Learning and Applications (ISBN 978-93-86923-47-9) (Dipti Press OPC).
- Published 30 Research Articles in various reputed journals and International Conferences.Out of which 4 are SCI Indexed and 16 are Scopus Indexed journals.
- Has been Reviewer for 4 International Journals.
- NAAC Co-coordinator for college level.

PROFESSIONAL EXPERIENCE

NAME OF THE ORGANIZATION	DESIGNATION	DEPARTMENT	PERIOD
Dr MGR Educational and Research Institute	Professor	Faculty of Engineering and Technology Department of Computer Science and Engineering	10.11.2021 to Till Date
Meenakshi Academy of Higher Education and Research	Professor& Dean	Faculty of Engineering and Technology Department of Computer Science and Engineering	June 2014 to 30.10.2021
Meenakshi Academy of Higher Education and Research	Associate Professor	Faculty of Engineering and Technology Department of Computer Science and Engineering	Aug 2009 to May 2014
Meenakshi College of Engineering, Chennai	Assistant Professor	Department of Computer Science and Engineering	July 2005 to July 2009
Thiru Seven Hills Polytechnic College	Head of the Department	Department of Computer Science and Engineering	Dec 1996 to July 2005

Ph.D RESEARCH AREA

- Mobile Adhoc Networks.

AREAS OF RESEARCH AND THEIR DETAILS

Machine Learning, Artificial Intelligence, Mobile Ad Hoc Networks, Image Processing

Total No. of publications:	52
National Conference:	15
International Conference:	17
Journal Papers:	20
Books and Book chapters published:	04
Number of SCI index journal	06
Number of SCOPUS index journal	20
Number of Patent Filled	04

Research Guide MAHER, Chennai

Number of Ph.D Scholars Guided	17
Number of Ph.D Scholars Guiding	6
Number of M.E. Projects Guided	15
Number of Ph.D Scholars (DC Member)	15

Research Area of PhD Candidates: Artificial Intelligence, Machine Learning, Deep Learning Data Science ,Mobile Ad Hoc Networks, Image Processing

RESEARCH TOPICS OF Ph.D CANDIDATES

❖ RESEARCH TOPICS OF Ph.D Scholars Guided

- Skin lesion classification system and dermoscopic feature analysis for melanoma using machine learning techniques.
- An improved license plate extraction and recognition system for moving vehicle
- Mobility management schemes for cost and path optimization and routing algorithms in MANET.
- Hybrid approach for improved intrusion detection and secured cloud model based on improved genetic algorithm for cloud computing framework

- System to improve the Resistance in Data Compression by Evaluating the Performance of Watermarking Algorithm using Multilayer Preceptor
- Web based content extraction and retrieval using natural language processing

❖ RESEARCH TOPICS OF Ph.D Scholars Guiding

- Improving the security by using cryptographic key pre-distribution scheme in autonomous mobile networks.
- Improving link reliability in distributed wireless sensor networks
- Design of multihop reverse routing techniques in wireless sensor networks.
- Intelligent content and shape oriented image retrieval using efficient density based clustering algorithm
- Resourceful retrieval of specific websites and location-based web service recommendation
- Enhancing the quality of underwater image enhanced optimal histogram using swaram updated and dragonfly algorithm.

PATENT FILED

- 1 Karthikeyan and **Kumanan T.**, “A Method and an IoT System for Operating Illumination Control And Fault Detection Of The Street Light” App.No.202041003504 Dated: 27.01.2020.
- 2 **T.kumanan** and Mohan Kumar Sugumar “ Novel system ,Diabetics Prediction Using Different Machine Learning Approaches” App.No. 202141031606 Dated:14.07.21.
- 3 **T.kumanan** and Mohan Kumar Sugumar “ Novel system Burglar prevention IOT representation” App.No. 202141031608, Dated:14.07.21.
- 4 **T.kumanan** and Mohan Kumar Sugumar “ Novel system automatic skin cancer reconvanition” App.No. 202141031609 Dated:14.07.21.

MEMBERSHIP IN PROFESSIONAL BODIES

- Membership in MISTE Life Membership no.LM135101New Delhi.
- Membership in Computer Society of India (CSI)

ACADEMIC AND RESEARCH ACHIVEMENTS

1. Acted as Coordinator on the One week Virtual Faculty development program on Emerging Research Trends in Block Chain and Data Science held on 8-12 May 2023.
2. Acted as a Session chair on the 7th National Conference on Innovative Computing Techniques NICICT'23 held on 3rd and 4th April 23.

3. Acted as a Session chair on the 7th National Conference on Innovative Computing Techniques NICICT'22 held on 13th April 22.
4. Acted as a Session chair on the International Conference On Emerging Trends in Science , Engineering And Management (ICETSEM-2021) -22nd, January 2021 (INTERNET OF THINGS AND HEALTHCARE SYSTEMS).
5. Acted as a Session chair on the International Conference On Emerging Trends in Science, Engineering And Management (ICETSEM-2021) - 23rd January 2021 (MACHINE LEARNING IN RENEWABLE ENERGY SYSTEMS).
6. Chaired the viva voce examiner for the Mr. S Senthilkumar PhD. scholar to the St .peter University during the month of July , 2nd , 2016.
7. Chaired the viva voce examiner for the Mr. L Ramalingam PhD. scholar to the St .peter University during the month of Jan,24th, 2018.
8. Chaired the viva voce examiner for the Mrs. E. Thenmozhi PhD. scholar to the St .peter University during the month of Feb,8th,2019.
9. Acted as a chief superintendent for university examinations at MAHER –FET, FROM 2009 TO 2021.
10. Editor for Dipti Press OPC Pvt Ltd.
11. Worked as a CAMP OFFICER for board central valuation ANNA UNIVERSITY, MAY 2008 examinations.
12. Acted as a Board Of Study Member for MAHER -FET College.
13. Acted as a Board Of ACADEMIC COUNCILMEMBER for MAHER -FET College.
14. Acted as a MODERATON COMMITTEE Member for EXAMINATION MAHER -FET College
15. Acted as a National Advisory Committee Member of International Conference On Emerging Trends in Science, Engineering And Management.
16. Acted as a Doctoral Committee member for MAHER, ANNA UNIVERSITY, VTU University
17. Acted as an Advisor to Co-ordinate faculty awards, research awards, women's meet awards and Medical healthcare award in ICETSEM, Chennai.

PRIZES AND AWARDS WON

- **Research Excellence Award 2023** from INSc Institute of Scholars
- **Global Faculty Award 2022** from AKS Educational Awards
- Best paper award in the title of '**Analysis of Underwater Image Enhancement Techniques**'

- Best paper award in the title of ‘**Friend List-Based Reliable Routing in Autonomous Mobile Networks**’
- Distinguished Faculty Award in engineering for the contribution and achievement in the field
- Mobile Ad Hoc Network
- Best faculty Awarded in producing 100% results in Anna University Examination.
- Best Result Awarded for the subject Object Oriented Analysis and Design.
- Best result Awarded for the subject High Performance Networks.

LIST OF PUBLICATIONS:

SCI INDEXED JOURNAL

1. Elangovan & Dr Kumanan T “Energy Efficient and Delay Aware Optimization Reverse Routing Strategy for Forecasting Link Quality in Wireless Sensor Networks” wireless personal Communication- Springer link, Volume 129, issue 4, April 2023 pages 923–942 (2023)
2. Prasath. R & **Dr. Kumanan, T.**, “Distance Oriented Cuckoo Search Enabled optimal histogram for underwater image enhancement: A novel quality metric analysis”, The Imaging Science Journal (Taylor & Francis) ISSN: 1368-2199 (Print) 1743-131X (online), Volume-67 2019, Issue-2, pp-76-89. IF 0.98
3. Prasath. R & **Dr. Kumanan, T.**, “Enhanced artificial bee colony approach for the enhancement and classification of underwater images” International Journal of Computers and Applications (Taylor & Francis) 1206-212X (online), IF 1.07
4. R Prasath, & **Dr. T Kumanan**, Underwater Image Enhancement With Optimal Histogram Using Hybridized Particle Swarm and Dragonfly, The Computer Journal, 2021; Impact Factor 1.494
5. Prasath. R & **Dr. Kumanan, T.**, “Analysis of Underwater Image Enhancement Techniques”, Journal of Web Engineering ISSN: 1540-9589 (print) ISSN: 1544-5976 (online) Volume-17 2018, Issue-6, pp 3736-3742, IF 0.396,
6. Praveen, J. S., & **Kumanan, T.** (2024). “Link Loss Identification and Congestion-Aware Routing in Mobile Wireless Sensor Network,” <https://ieeexplore.ieee.org/xpl/conhome/10532774>.
7. Deepalakshmi, P., & **Kumanan, T.** (2024) Fake Clones for Adversaries Detection with Efficient Relay Selection in MWSN <https://ieeexplore.ieee.org/xpl/conhome/10532774>

SCOPUS INDEXED JOURNAL

1. **T. Kumanan** and K. Duraiswamy “QoS Control Mechanism in MANET using Self Organizing Map - Hierarchical QoS Multicast Routing Protocol (SOM-HQMRP)” *European Journals of Scientific Research*, Vol.59 No.3 (2011), pp.329-337.
2. **T. Kumanan** and K. Duraiswamy “Dynamic Intrusion Detection with Data Fusion and Aggregation in High-Security Mobile Ad Hoc Networks”, *International Journal of Computer Science and Information Technologies*, Vol. 3 (2), 2012,3743-3748.
3. **T. Kumanan** and K. Duraiswamy “Improved Anomaly Detection Scheme For AODV-Based Mobile Ad Hoc Networks”, *journals of Computer Science*, Science Publications.
4. **T. Kumanan** and K. Duraisamy, 2014. A Dynamic Knowledge Method In Opposition To Anomaly Host in AODV Based MANET. *Asian Journal of Scientific Research*, 7: 199-207.
5. **T. Kumanan** and K. Duraisamy, 2015. “Detection Of A Clone Node And Collusion Attack In Wireless Sensor Network”, *IJIRRCCE*
6. **T. Kumanan** and K. Duraisamy, 2016, “Data Gathering Optimization By Dynamic Sensing And Routing In Rechargeable Sensor Networks”, *IJRSET*
7. Ch.Prameela Devi and **T.Kumanan**(2014), ‘Advanced components study on content based future shape image retrieval techniques’, from *International Journal of Research and analytical reviews (IJRAR)* E-ISSN 2348-1269, P-ISSN: 2349-5138; Impact factor:5.75|UGC|ESTD Year:2014.
8. R.Vanithamani and **T.Kumanan**,(2017), ‘A Survey- Data Security And Privacy Big Data’ *International Journal For Advanced Research In Applied Sciences*, Volume 4, Issue 7, Issn No: 2394-8442/ Pg No 316-321.
9. S.Brithakumari, Dr.S.K.Muthusundar.**T.Kumanan**(2018), ‘Effective Number plate Recognition using Hough & Otsu’s segmentation’, *IJRAR*, Vol 5 Issue 3 Pg.No-687-691.
10. K.Jagadeesh, and **T.Kumanan**(2018). ‘Well-Organized Processing of Unknown Incidents in TechniqBased System.’, *IJRASET*/Volume 6/Issue 8/ Pg.No.94-99.
11. Ch.Prameela Devi, Sarada Devi, **T. Kumanan**(2018), ‘Content Aggregation based Data Extraction and Crawling’, from *URL International Journal for Research in Applied Science & Engineering Technology (IJRASET)* ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 6 Issue VIII, Pages.28-31.
12. Ch.Saradadevi, Prameeladevi, CH, Mr. **T.Kumanan**, (2018) ‘Relative Insertion of Business to Customer URL by Discover Web Information Schemas’, in *Applied Science & Engineering Technology 2018/Applied Science & Engineering Technology 6(8) August 2018*, pp. 2321-9653.

13. Ch.Saradadevi,**T.Kumanan**,Prameeladevi.CH, (2019),‘Study of familiar Web Data Extraction by Web and Scraping Techniques’,from International Journal of Research and analytical reviews (IJRAR) February 2019, Volume 6, Issue 1,E-ISSN 2348-1269, P- ISSN,pp.2349-5138.
14. K Vijayabaskar and **T Kumanan**IOP Conference Series: Materials Science and Engineering, Volume 925, 1st International Conference on Computational Engineering and Material Science (ICCEMS - 2020) 17-18 July, Karnataka, India Citation 2020 IOP Conf. Ser.: Mater. Sci. Eng. 925 012073
15. Elangovan, GandDr. Kumanan T. “QoS based Multi-Hop Reverse Routing in WSNs,” *Intelligent Computing in Engineering*, Vol. 1125, pp. 607-613, Springer, April 2020.
16. Elangovan, GandDr. Kumanan ,T. “Congestion aware Adaptive Reverse Routing Strategy for Improving QoS in WSN,” *Materials Science and Engineering*, IOP Publication, vol. 925, 2020, pp. 1-9.
17. Elangovan, Gand Dr. Kumanan T. “Q-Learning based Link Stability Enhancement (QLSE) in Reverse Routing protocol for WSN,” *Journal of Natural Remedies*, October, vol. 21, no. 6, 2020.
18. Elangovan, GandDr. Kumanan T. “Energy Efficiency and Delay Aware Optimization Reverse Routing Strategy (LRDA) in Wireless sensor networks,” *Communicated on Wireless Personal Communication Journal*.
19. Vijayabaskar K and **Dr. Kumanan, T.**, “Link Quality and Energy-Aware Metric-Based Routing Strategy in WSNS,” *Intelligent Computing in Engineering*, vol.1125, pp. 533-539, Springer, April 2020.
20. Vijayabaskar Kand **Dr. Kumanan, T.**, “Link Consistency and Energy Efficiency for Improving Throughput in Wireless Sensor Network,” *Materials Science and Engineering*, Vol. 925, No. 1, pp. 012073, IOP Publishing, September 2020.
21. Vijayabaskar Kand **Dr. Kumanan, T.**, “Link Reliability and Delay Aware Routing in Wireless Sensor Networks,” *Journal of Natural Remedies*, Vol. 21, No. 6, pp. 421-429, October 2020.
22. Sivasankar C&**Dr. Kumanan, T.**, “Friend List-Based Reliable Routing in Autonomous Mobile Networks”, *Intelligent Computing in Engineering* vol.1125, pp. 409-415, Springer, April 2020.
23. Sivasankar C&**Dr. Kumanan, T.**, “Detect and Prevent Active and Passive Attack in Autonomous Mobile Network”, *Materials Science and Engineering* Vol. 925, No. 1, pp. 012072, IOP Publishing, September 2020.
24. Sivasankar C&**Dr. Kumanan, T.**, “Huffman Coding Based Consistency Data Communication in Autonomous Mobile Network”, *Journal of Natural Remedies* Vol. 21, No. 6, pp. 2017-213, October 2020.

25. Praveen, J. S., & **Kumanan, T.** (2021). Hybrid Ant Colony and Cuckoo Search Algorithm for Intelligent Routing in Wireless Sensor Network. In Cognitive Informatics and Soft Computing (pp. 625-635). Springer, Singapore.
26. Deepalakshmi, P., & **Kumanan, T.** (2020, September). Elliptic curve digital signature technique based abnormal node detection in wireless ad hoc networks. In IOP Conference Series: Materials Science and Engineering (Vol. 925, No. 1, p. 012075). IOP Publishing.
27. K. Krishnakumar, and **T. Kumanan** "Demand Based Virtual Machine Scheduling In Cloud Environment", European Journal of Molecular & Clinical medicine. ISSN 2515 -8260, volume 07, Issue 10, 2020.
28. K. Krishnakumar, and **T. Kumanan** "Study on Resource Scheduling and Allocation for Multi-Objective based Virtual Machines", Turkish Journal of Physiotherapy and Rehabilitation, 2020.
29. K. Krishnakumar, and **T. Kumanan** "Efficient User Classification Framework for Multi-Objective-Based Virtual Machines", International Journal of Modern Education and Computer Science, 2021.
30. Aswini, J, & Kumanan, T 2019, 'Deadline Constrained Based Resource allocation in Cloud Environment', International Journal of Innovative Technology and Exploring engineering
31. S.B.Prakalya, Dr.T.Kumanan, Dr.V.Prabhu, "Efficient Power Arrangement in Multiband Cognitive Radio System" Turkish Journal of Computer and Mathematics Education, e- ISSN 1309-4653, Vol.12 No. 11, pp.4378- 4388, 2021. 2.
32. S.B.Prakalya, and **Dr.T.Kumanan**, "Power Efficient Clock Pulsed D Flip Flop Using Transmission Gate" Turkish Journal of Computer and Mathematics Education, e-ISSN 1309-4653, Vol.12 No. 11, 2021.
33. S. Mohan Kumar and **Dr T. Kumanan** "Skin Lesion Classification System Using Shearlets", Computer Systems Science and Engineering Tech Science Press, Vol44, No.1, pp.833-844.

BOOKS AND BOOK CHAPTERS PUBLISHED.

1. Kumanan T et al, Federative Machine Learning: Theory and Practice, Nova Science Publishers, Inc.
2. Kumanan T et al, "Descriptive CNN Analysis for Glaucoma Color Spectral Detection" ISBN : 978-86923-47-9.
3. Kumanan T et al, "Plant Leaf Recognition using Texture Feature Descriptors" ISBN : 978-86923-47-9.

4. Kumanan T et al, "Adaptive Histogram Equalization Based Age Group Classification using Hidden Markov Model" ISBN : 978-86923-47-9.

INTERNATIONAL PROCEEDINGS

1. **T. Kumanan** and K. Duraiswamy "Reinforcement Learning for Quality of Service in Mobile Ad Hoc Network (MANET), Recent Advances In Networking, VLSI And Signal Processing", January 2010, India , page number 250 to 257.
2. **T.Kumanan** and **Dr.K.Duraiswamy**,"Intuition of Wireless Sensor Networks", National Conference on Recent Trends in Advanced Computing, October 6th , 2010.
3. **T.Kumanan** and **Dr.K.Duraiswamy**," Reliable data gathering algorithm for wireless sensor networks", (ICACT2011), May 20th ,2011.
4. **T.Kumanan** and **Dr.K.Duraiswamy**," Extending lifetime of wireless sensor networks", International Conference on advances in engineering and technology (ICAET-2011), May 27th and 28th - , 2011.
5. **T.Kumanan** and **Dr.K.Duraiswamy**," Chain based Energy efficient data gathering protocol for wireless sensor networks", National Conference on extreme engineering and technological advancements, April 30, 2011.
6. **T.Kumanan** and **Elangovan**, "Aware Adaptive Reverse Routing Strategy for Improving QoS in WSN" Fifth International Conference on Green Technologies for Power Generation, Communication and Instrumentation (ICGPC'19), April 03rd and 04th 2019.
7. , "Ch.Saradadevi,.T.Kumanan,Prameeladevi.CH), ' familiar Web Data Extraction by Web and Scraping Techniques" Fifth International Conference on Green Technologies for Power Generation, Communication and Instrumentation (ICGPC'19), April 03rd and 04th 2019.
8. **S.Mohankumar** and **T.Kumanan**, "Dermoscopic Image Classification using Two Stage Processing Sherlet Features with Support Vector Machine"International e-Conference on Green Technologies for Power Generation Communication and HealthCare,6th June 2020.
9. **S.Mohankumar** and **T.Kumanan**, "Detection of Melanoma using Gray Level Spatial Dependence Matrix and Random Forest Classifier"3rd International Conference on advances in Computing Technologies (ICACT-2020),18th and 19th June-2020.
10. **S.Mohankumar** and **T.Kumanan**, "Detection of Melanoma Skin Cancer using Sherlet Transform based KNN Classifier", 3rd International Conference on advances in Computing Technologies (ICACT-2020), 18th and 19th June-2020.

SEMINARS / CONFERENCES PARTICIPATED

1. Participated in the AICTE –ISTE short term training programme on “Internet Programming” at National Institute of Technical Teacher Training and Research, Taramani, Chennai – 13. on 6th December 2004 to 21st December 2004.
2. Participated in the AICTE Sponsored National Seminar on Pervasive computing held at National Engineering College, Kovilpatti, on 20.04.2007 to 21.04.2007.
3. Participated in the Inter National Conference on Advance Computing and Communication at MIT, Anna University Chennai, On 14th December 2008 to 17th December 2008.
4. Participated in the National Conference On “Role Of Cryptography And Network Security In Defense” - 25th February 2011, Velammal Engineering College, Chennai.
5. Participated in the National Conference On “Recent Trends In Information Technology And Communication” - 12th April 2012, Velammal Engineering College, Chennai.
6. **Workshop on Cloud Computing and its Research Applications, in K.S.R.College of Engineering, Tiruchengode, January, 2011.**
7. **Workshop on Hands-on application development on Wireless Sensor Networks, Velalar College of Engineering and Technology, Erode, April, 2010.**
8. **Workshop on Advancements in digital signal and image processing, in K.S.R.College of Engineering, Tiruchengode, February, 2009.**
9. **Workshop on Research Methodology Application Of Research Tools & Techniques, Karpagam College of Engineering, Coimbatore, February, 2009.**
10. **FDP on Emerging Trends in IT & Wireless Network, S.N.S. College of Technology, Coimbatore, February, 2009.**
11. **FDP on “Universal Human Values in Education”, AICTE-ATAL on 20/12/21 to 24/12/21.**
12. **FDP on “Deep Learning using Tensor flow and Keras”, IIT kanpur on 28/2/22 to 5/3/22.**
13. **FDP on “NAAC Webinar”, Dr MGR Educational and Research Institute on 7/3/22 to 11/3/22.**
14. **FDP on “Machine Learning “, NITTR Chandigar on 28/3/22 to 1/4/22.**
15. **FDP on “Examination Reforms”, Dr MGR Educational and Research Institute on 25/4/22 to 29/4/22.**
16. **FDP on “Deep Learning and Neural Networks “ St. Joseph’s Institute of Technology, Chennai on 1.11.23-2.11.23**
17. **FDP on “AI and Machine Learning for Healthcare Engineering” New Horizon College of Engineering, Bangaluru on 15.03.23 to 17.03.23**
18. **Participated in the Internal National scientific Conference speaker On “ A Look into the Future” Dr MGR Educational and Research Institute on 8.2.24 -9.2.24**
19. **FDP on” Innovative Computing Technology for Healthcare System” St. Peter Institute of Higher Education and Research, Chennai, on 19-02-24 - 23.02.24**
20. **FDP on “ NEP-2020 ORIENTATION AND SESITIZATION” MMTTC-UoH, Hyderabad from 18.03.24 - 26-03.24**

21. Participated in the Internal National scientific Conference on “CONNECT with AI - Collaborative opportunity to Navigate Ethical Challenges and Trials with AI held at SRM Medical College Hospital and Research Centre, on 2.4.24 - 4.4.24.
22. Participated in the National workshop on “ Regional Young Investigators Meeting “ IITM, on 22.01.25- 24.01.25.

SUBJECTS DELIVERED

- | | |
|---|--|
| <ul style="list-style-type: none"> Machine Learning and Applications Deep Learning and It's Applications Artificial Intelligence Fundamental of Data Science Predictive Models and Analytics Big Data Analytics Hadoop Distributed File System Data Warehousing and Data Mining Data Structure and Algorithm Advance Data Structure and Algorithms Object oriented programming C++ & Java Database Security | <ul style="list-style-type: none"> System Software and Compiler Design E- Commerce Computer Network Web Technology Java Programming Data Base Management System Mobile Communication Management Information System Internet Programming Cryptography and Network Security High Performance Network High Speed Network Software Design Network programming and Management |
|---|--|

INVITED TALK/GUEST LECTURE

Name of the college	Duration of the course	Topics in which lectures delivered
KSR COLLEGE OF TECHNOLOGY.	2 HOURS	MOBILE COMPUTING
NEW HORIZON COLLEGE OF ENGINEERING	2 HOURS	IOT HEALTH CARE
NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY	2 HOURS	MACHINE LEARNING AND APPLICATIONS
KSR COLLEGE OF TECHNOLOGY	2 HOURS	DEEP LEARNING – ANN, CNN, RNN MODELS

EXTRA CURRICULAR ACTIVITIES

1. NETWORK LAB and SIMULATION LAB Establishment
2. Acted as coordinator for conducting National Level Technical Symposium, Work shop and Conference

PERSONAL DETAILS

Name : Dr.T.Kumanan

Father's Name : K.Theerthagiri

Date of Birth : 30.04.1971

Address for Communication : No.B308,Brik House
No.1/3B, Gangai Amman Koil St
Vanagaram, Chennai-600095

Sex : Male

Marital Status :Married

Religion :Hindu

REFERENCES

1. **Dr.K.Duraiswamy**, Dean(Academic), KSR College of Technology, Thiruchengodu, Tamilnadu.
2. **Prof.K.P.Yadav**, Vice Chancellor / Margadarshak : AICTE (Govt. of India), Sangam University, Bhilwara, Rajasthan.

DECLARATION

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

Place: Chennai

Date:

Signature of the candidates