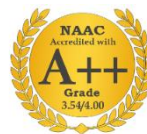





# SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution| Accredited with 'A++' Grade by NAAC)

Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.



Department of Artificial Intelligence and Data Science					
Name	Mr.M.Senthilkumar				
Date of Birth	30-04-1985				
Unique ID	9217520				
Educational Qualifications	B.E.,M.E., (PhD.,)				
Designation	Assistant Professor				
EmailID	<a href="mailto:senthilkumarsit@sethu.ac.in">senthilkumarsit@sethu.ac.in</a>				
AlternateEmail ID	<a href="mailto:rmsenthik@gmail.com">rmsenthik@gmail.com</a>				
Experience	Industry	Teaching	Others	Total	
	3 Years	14+ Years	-	17+ Years	
Date of Joining the Institution	19-07-2022				
Area of Specialization	IOT, Deep Learning and Cloud Computing				
Courses taught	Database systems, Operating Systems, Computer Architecture, Data Warehousing and Data Mining, C Programming, OOPS in JAVA, OOPS in Python, OOPS in C++, Data Structures, Advanced Networks Systems, JAVA Programming, System Software, Software Engineering.				
Research Focus	IOT and Deep learning				
Research guidance (Number of Scholars)	Nil				
Subject Competency	AI and Data Science				
No. of papers published	National Journals		International Journals		Conferences
	8		4		15
PG Specialization	M.E., Computer Science and Engineering				
Ph.D.Specialization	Computer Science and Engineering				
Projects Carried out	4				
Patents (Filed & Granted)	2				
Technology Transfer	Nil				
No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc.)	Books Published : 1, Deep learning with Python, Publisher :RG International Publication ISBN No: 9789349773646 Year of Publication:2025				



Level	Degree	Specialization	University	Year of Completion
UG	B.E.,	CSE	ANNA University	2006
PG	M.E.,	CSE	St.Peters University	2011

**Details of Journal Publication:**

1. **Mr.M.Senthilkumar,"Enhancing Medical Image Security through a Novel Framework: Crypto-aware Elliptic Curve Diffie-hellman with Key Derivation Function " paper presented in The Open Bioinformatics Journal pp. 14 - 17 on 28-06-2024.**
2. **Mr.M.Senthilkumar," [A novel encryption framework to improve the security of medical images](#) " paper presented in The International Conference on Computer & Communication Technologies., pp. 145 - 159 on 06-10-2023.**
3. **Mr.M.Senthilkumar," [Enhancing the security of an organization from shadow IoT devices using blow-fish encryption standard](#)" paper presented in the Acta Informatica Malaysia Journal pp. 22 - 24 on 15-08-2022.**
4. **Mr.M.Senthilkumar," Secure Public Auditing for Cloud Data Share Supporting User Revocation " paper presented in the IJERCSE Journal pp. 121 - 124 on 20-03-2018.**
5. **Mr.M.Senthilkumar,"Alter Droid: An Android Malware Detection using Deep Learning " paper presented in the IOSR Journal of Humanities and Social Sciences Journal pp. 16 - 24 on 24-04-2017.**
6. **Mr.M.Senthilkumar., "Energy Minimization of Big-Data Processing for Distributed File System in Cloud" paper presented in the International journal on Applications in Information and Communication Engineering pp. 173-180 on 21-02-2016.**
7. **Mr.M.Senthilkumar," Node Specialization and Femto-cell for network security in MANET" paper presented in the International journal of Applied Engineering research pp. 73-80 on 20-03-2015.**
8. **Mr.M.Senthilkumar," A Layered Security approach through Femto-Cell Using Onion routing in MANET" paper presented in the International Conference on Developments in Engineering and Research pp. 162 - 166 on 18-10-2014.**

## Details of Conference attended:

1. **Mr.M.Senthilkumar.,** " [Development of QR Enhanced Door Lock Security System via E-Mail Service Environment for Smart Home](#)" in National Conference on Artificial Intelligence Cyber Security Healthcare and Agricultural Applications 2025 (NCAICHA) on 25-03-2025.
2. **Mr.M.Senthilkumar.,** " [Enhancing Medical Image Security through a Novel Framework: Crypto-aware Elliptic Curve Diffie-hellman with Key Derivation Function](#)" in Cyber Security and Applications **Conference** on 12-04-2024 .
3. **Mr.M.Senthilkumar.,** " **PROTECTING LOCATION SCORE DATA IN SENSOR NETWORKS** " in Dr.Navalar Nedunzhilyan College of Engineering, Trichi **Conference** on 22-03-2018.
4. **Mr.M.Senthilkumar,"Alter Droid: An Android Malware Detection using Deep Learning "** paper presented in the International Conference on Scientific Research of Engineering and Technology (ICSRET) on 18-03-2017.
5. **Mr.M.Senthilkumar.,** "Energy Minimization of Big-Data Processing for Distributed File System in Cloud" paper presented in the International Conference on Recent Computing and Communication Technologies(ICRCCT'16) on 19-03-2016.
6. **Mr.M.Senthilkumar.,** "Detection of Malicious Node behavior in MANET Using Randomized Multi-Path Routing Algorithm" paper presented in the National Conference on Recent Trends in Emerging Technologies(NCRTET'16) on 18-03-2016.
7. **Mr.M.Senthilkumar," A Load Rebalancing for Distributed Computing Systems in Cloud" paper** presented in the 4<sup>th</sup> International Conference on Design Applications of Structures,Drives Communicational and Computing Systems(ICDASDC-2015) on 27-11-2015.
8. **Mr.M.Senthilkumar," Node Specialization and Femto-cell for network security in MANET" paper** presented in the IEEE Sponsored 9<sup>th</sup> International Conference on Intelligent Systems and Control (ISCO 2015) on 09-01-2015.
9. **M.Senthilkumar," A Layered Security approach through Femto-Cell Using Onion routing in MANET"** paper presented in the International Conference on Developments in Engineering and Research pp. 162 - 166 on 11-12-2014.

10. M.Senthilkumar,"Traffic Avoidance Using Proximity Sensors" paper presented in the 2<sup>nd</sup> National Conference on "Recent Trends in Advanced Intelligent Computing and Communication (NCRTAIC'2014)" on 21-03-2014.
11. M.Senthilkumar,"Traffic Avoidance Using Proximity Sensors" paper presented in the 2<sup>nd</sup> National Conference on "Novel computing" on 14-03-2014.
12. M.Senthilkumar," Effective Law for Load Balancing in Content Delivery Network" paper presented in the National Conference on "Research Avenues in Electronics and Communications Engineering" on 07-03-2014.
13. M.Senthilkumar,"Wi-Com" paper presented in the National Conference on "Research Avenues in Electronics and Communications Engineering" on 07-03-2014.
14. M.Senthilkumar., "Providing Three Tier Security Scheme using Mobile Sinks" paper presented in the 2<sup>nd</sup> National Conference on "Advanced computing Systems" on 17-04-2013.
15. M.Senthilkumar., "Protecting Location Score Data in Sensor Networks" paper presented in the 3<sup>rd</sup> National Conference on "Emerging trends in Communication Systems" on 12-04-2013.

#### **Details of Book Chapter and Books Published:**

*Books Published: 1, Deep learning with Python,  
Publisher: RG International Publication  
ISBN No: 9789349773646  
Year of Publication: 2025*

#### **Details of Patents Filed and Granted: 01**

1. **Mr.M.Senthilkumar.,** " AI-Based System for Automated Candidate Screening and Selection" **Filed** on 13/03/2025 and published on 21/03/2025. Application Number: 202541022905 A

**Expert Lecture Delivered: - Nil -**