

# DR. SENTHILKUMAR MOORTHY

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## PROFESSIONAL SUMMARY

- More than **23 years** of Experience in teaching including over **14 Years** spent in Oman.
- **Assistant Professor** in **Management Information System** at A 'Sharqiyah University, Oman.
- **Ph.D., Computer Science Engineering and Technology** from AMET University, Chennai.

## RESEARCH EXPERIENCE

- Published in about **18 International Journals and Conferences**, including **6 Scopus Indexed Journals** and **1 IEEE Conference**. Journal **Citations** value is **18**.
- **Ph.D., Thesis Title** is Enhanced Octagonal Multimedia Compression Algorithm Using Data Hiding Techniques for Secured Data Transmission.
- Submitted research funded project proposals to **The Research Council (TRC) – RG** (Research Grants) project **URG** (Undergraduate Research Grants) project.
- **Keynote speaker** and **Session Chair** in the **International Conference** on Contemporary developments in Computer science, Artificial Intelligence and Data science in SRM College of Arts and Science, Trichy.

## RESEARCH WEB LINKS

<b>Scopus</b>	<a href="https://www.scopus.com/authid/detail.uri?authorId=57195944297">https://www.scopus.com/authid/detail.uri?authorId=57195944297</a>
<b>ORCID</b>	<a href="https://orcid.org/0000-0001-9680-406X">https://orcid.org/0000-0001-9680-406X</a>
<b>Research Gate</b>	<a href="https://www.researchgate.net/profile/Senthilkumar-Moorthy">https://www.researchgate.net/profile/Senthilkumar-Moorthy</a>
<b>Google Scholar</b>	<a href="https://scholar.google.com/citations?hl=en&amp;user=NCnIBUYAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=NCnIBUYAAAAJ</a>
<b>LinkedIn</b>	<a href="https://www.linkedin.com/in/senthilkumar-moorthy-027469274">https://www.linkedin.com/in/senthilkumar-moorthy-027469274</a>

## EXPERIENCE CHRONICLE

- 2023 to till now**      **Assistant Professor in MIS**  
**A' Sharqiyah University, Ibra, Sultante of Oman**
- Strategic Planning Committee Member
  - Quality Assurance Committee Member
- 2022 to 2023**      **Head of the Department in BCA**  
**GTN Arts College, Dindigul**
- Discipline Committee Coordinator
  - Placement Cell Member

- 2008 to 2021**      **Lecturer in Information Technology**  
**University of Technology and Applied Sciences, Ibra, Sultanate of Oman**
- Learning Resources Committee Coordinator
  - Examination Committee Member
  - Quality Audit Member
- 2005 to 2008**      **Lecturer in Computer Science**  
**T.S. Narayanaswamy College of Arts and Science, Chennai**
- Project Coordinator
  - Placement Cell Member
- 2004 to 2005**      **Lecturer in Computer Science**  
**Sri Muthukumaran Arts and Science College, Chennai**
- College Council Member
  - Sports Coordinator
- 2002 to 2004**      **Lecturer in Computer Science**  
**Pannaikadu Veerammal Paramasivam College, Dindigul**
- Timetable Committee Coordinator
  - Cultural Committee Coordinator
- 2000 to 2002**      **Lecturer in Computer Science**  
**Jayaraj Chelladurai College, Periyakulam**
- Cultural Committee Coordinator
  - Sports Coordinator

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### ACADEMIC PROFILE

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- 2020**      **Ph.D., in Computer Science Engineering and Technology**  
 AMET University, Chennai
- 2006**      **M.Phil., in Computer Science with 67%**  
 Bharathidasan University, Trichy
- 2000**      **M.Sc., in Computer Science with 81%**  
 Vivekananada College, Madurai Kamaraj University, Madurai
- 1998**      **B.Sc., in Mathematics with 72%**  
 Vivekananada College, Madurai Kamaraj University, Madurai

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### SCOPUS INDEXED INTERNATIONAL JOURNALS

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- **M. Senthilkumar**, & V. Mathivanan, "Enhancing the Multimedia Data Hiding Mechanism by using - Octagonal Multimedia Compression Algorithm (OMCA)", Journal of Advanced Research in Dynamical and Control Systems Vol. 9. Sp- 6 / 2017.
- **M. Senthilkumar**, & V. Mathivanan, "Multimedia Data Hiding Compression Algorithms – A Comparative Study", Journal of Advanced Research in Dynamical and Control Systems Vol. 9. Sp- 6 / 2017.
- **M. Senthilkumar**, & V. Mathivanan, "Geo-Spatial Information for Managing Ambiguity", Indonesian Journal of Electrical Engineering and Computer Science, Vol. 8, No. 3, December 2017, pp. 636 ~ 638.

- **M. Senthilkumar**, & V. Mathivanan, "Content Implementation of Cloud Connected Smart Robot for Environmental and Industrial Platform", Indonesian Journal of Electrical Engineering and Computer Science, Vol. 8, No. 3, December 2017, pp. 645 ~ 647.
- **M. Senthilkumar**, & V. Mathivanan, "NFC Secured Offline Password Storage", Indonesian Journal of Electrical Engineering and Computer Science, Vol. 8, No. 3, December 2017, pp. 730 ~ 732.
- Vimalkumar, Ramesh Palanisamy, K.Kumar, **M.Senthilkumar**, "A Novel Approach To Enhance The Qos Of Wireless Sensor Networks", Turkish Journal of Computer and Mathematics Education Vol.12 No.10 (2021), 3143-3147.

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### IEEE - INTERNATIONAL CONFERENCE

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- Mohamed Sirajudeen, M. Mudassir Peeran and **M. Senthil Kumar**, "A way to enhance the extraction mechanism of 2D objects from robots memory using an orthogonal algorithm", 2010 International Conference on Signal and Image Processing, December 2010.

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### PEER REVIEWED - INTERNATIONAL JOURNAL PUBLICATIONS

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- **M. Senthilkumar**, & V. Mathivanan, "Analysis of Data Compression Techniques using Huffman Coding and Arithmetic Coding", International Journal of Advanced Research in Computer Science and Software Engineering - IJARCSSE 2016, AMET University, Chennai, ISSN NO: 2277 128X, Volume 6, Issue 5, May 2016.
- **M. Senthilkumar**, & V. Mathivanan, "Performance Analysis of Data Compression Techniques for Multimedia Data Hiding", International Journal of Emerging Research in Management & Technology (IJERMT), ISSN NO: 2278-9359, Volume 5, Issue 7, July 2016.
- **M. Senthilkumar**, & V. Mathivanan, "Multimedia Data Hiding using Fourier series on an Experimental Basis", International Journal of Engineering and Computer Science (IJECS), ISSN: 2319-7242, Volume 5, Issue 7, Page No. 17317-17321, July 2016
- **M.Senthilkumar** and V.Mathivanan, "An Analysis of Data Compression Techniques with Cross Section Based Compression Algorithm (CSCA)", International Journal of Information and Communication (IJIC), December 2019.

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### NATIONAL AND INTERNATIONAL CONFERENCES AND PUBLICATIONS

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- Aala Ibrahim Al-Handhali, Halya Jaber Al-Salmani, **M.Senthilkumar**, "Challenges and Approaches of Security in Big Data", International Conference in SRM College of Arts and Science, Trichy, March 2021 and Published in International Journal of Innovative Technology and Creative Engineering (IJITCE) ISSN:2045-8711, Vol.11 No.5 May 2021.
- Bahia Khalfan Al-Dhikhri, Shaima Ali Al-Habsi, **M.Senthilkumar**, "Enhancing Network Security Using Cryptography and Steganography", International Conference in SRM College of Arts and Science, Trichy, March 2021 and Published in International Journal of Innovative Technology And Creative Engineering (IJITCE) ISSN:2045-8711, Vol.11 No.6 June 2021.

- **M.Senthilkumar**, Mohamed R Rafi, Ramesh Palanisamy, "Measuring Cybersecurity in the Industry Revolution", IR 4.0, University of Technology and Applied Sciences, Ibra.
- **M.Senthilkumar**, D. Banupriya, R. Jenith, "An Analysis of Fiber Optical Network Technology in Today's Life", International Conference on Recent Trends in Science, Engg & Technology (ICRTSET-2022), PSG College of Arts and Science, Coimbatore
- **M.Senthilkumar**, V. Lavanya, A. Ignatious, "Education Technology in Current Life Using AI", Third International Educational Conference 2022, GTN College, India.
- **Senthilkumar Moorthy**, Mohamed Bashir and Abdul Hakim Mohamed, "An Analysis of Blockchain Technology in Modern Life", The International Conference on Business, Communication, and Technology 2023, Gulf College, Sultanate of Oman.

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### INVITED LECTURES

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- Presented the Webinar about "**Ransomware - Evolution and Prevention**" in Parvathy's Arts and Science College, Dindigul.
- Presented the Webinar about "**Importance of Cybersecurity**" in Nilgris College of Arts and Science College, Thaloor.
- Guest speech about "**Network Communication Around the World**" in GTN College of Arts and Science, Dindigul.
- Guest speech about "**Advanced Operating Systems and Features**" in GTN College of Arts and Science, Dindigul.

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### CONTRIBUTION TO THE DEPARTMENT

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- **Quality Audit Member** - Work for our institution to get Accreditation from Oman Academic Accreditation Authority (OAAA). Overseeing Quality assurance in the university, ensuring its consistency with the college policies and procedures and was involved in **Accreditation** works.
- **Learning Resources Committee Coordinator** - Responsible for ensuring the efficient use of the existing learning resources and used the related document evidence for Quality Audit.
- **Project Supervisor and Coordinator** – Supervising the students' academic projects.
- **Examination Committee Member** – Ensuring the integrity of examination by providing a standard and fair practice of assessments, examinations, and invigilation.
- **Academic Advisor** - Acted as a student Advisor for Performance tracking and advising.
- **Course Coordinator** – Organizing meetings with group of colleges. Then designing and preparing course material for common courses.
- **Sports Coordinator** -Encouraging the students as sports coordinator for various sports activities.
- **Specialization Committee Member** - To offer recommendations regarding the growth of curriculum activities.
- **College Council Member** - Motivating and developing skills for the students.
- **Timetable Committee Coordinator** - Preparing the staff timetable and ensuring resources maximization.
- **Cultural Committee Coordinator** - Organizing intercollege meets and supervising arrangements as committee head. Winning the intercollegiate championship was the highlight.

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## APPRECIATED BY THE DEPARTMENT

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- Got the certificate for **Excellent Service** for our IT department in University of Technology and Applied Sciences, Ibra.
- Got the certificate for Train the Students for the **Inter Collegiate Competition** Championship in University of Technology and Applied Sciences, Ibra.
- Got the certificate for **Committed Sports coordinator** during Sports day in University of Technology and Applied Sciences, Ibra.
- Got the certificate for **Service Excellence** for the Department in Pannaikadu Veerammal Paramasivam College, Dindigul.

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## SKILL SETS

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- Handling various language papers, **C, C++ and Java.**
- Making use of the scripting language **PHP** for the project work.
- Applied different kinds of database in the project work **Oracle, MySQL, and SQL Server.**
- Working in different operating systems like **Windows and Linux.**
- Specialized in the theory subjects **Operating Systems, Database Management Security, and Data Structures and Algorithms.**
- Applied real time applications on the papers **Database Administration** and **Research Methodology.**

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## INTERESTS AND ACTIVITIES

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- Photography
- Cricket
- Volleyball
- Instrumental music
- Poetry writing

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## PERSONAL DATA

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- Date of Birth : 10-12-1977
- Gender : Male
- Marital status : Married
- Languages known : English, Tamil (First Language)
- Temporary Address : A' Sharqiyah University,  
PO Box: 42, Postal Code: 400,  
Ibra, Sultanate of Oman
- Permanent Address : 14, East Street, K.Paraipatty,  
Begambur (PO), Dindigul – 624002,  
TamilNadu, India