

**Name:** Senthil Kumar D

**Degree:** M.E. (Ph.D)

**Designation:** Assistant professor

**Experience:** 8 years

**Area of Specialization:** Software Engineering, Machine learning, Data Science.

**Contact (Email id):** [senthilkumard@stjosephs.ac.in](mailto:senthilkumard@stjosephs.ac.in)

### **SUBJECTS HANDLED:**

1. Introduction to Artificial Intelligence
2. Data Visualization
3. Python Programming for Data Science
4. Introduction to Geographic Information System
5. Problem Solving and Python Programming
6. Programming in C
7. Software Engineering
8. Object Oriented Analysis and Design.

### **RESEARCH PAPER PUBLICATION DETAILS: 5**

1. Image Classification of Indian Rural Development Projects Using Transfer Learning and CNN. Authors: Mangla A.; Briskilal J.; Senthil Kumar D. Conference Paper: Lecture Notes in Networks and Systems, Volume 444, Year 2022, Pages 17-29.
2. Credit Sanction Forecasting. Authors: Kirubanantham P.; Saranya A.;Kumar D.S. Conference Paper: Proceedings of the 2021 4th International Conference on Computing and Communications Technologies, ICCCT 2021, Volume , Year 2021, Pages 155-159.
3. Convolutional Recommended Neural Network system based on user reviews for movies. Authors: Kirubanantham P.; Saranya A.;Kumar D.S. Conference Paper: Proceedings of the 2021 4th International Conference on Computing and Communications Technologies, ICCCT 2021, Volume , Year 2021, Pages 17-21.
4. Analysis of novel multilevel inverter with nearest level technique for medium voltage applications. Authors: Karthikeyan D.; Vijayakumar K.; Senthil Kumar D.; Maheswari S.; Soundarya R.; Indhu G. Article: International Journal of Advanced Science and Technology, Volume 29, Year 2020, Pages 4484-4496.
5. Detection of Pathological Myopia Using Convolutional Neural Network. Authors: Ananth Kalyanasundaram, Surya Prabhakaran, J. Briskilal and D. Senthil Kumar. Article: International Journal of Psychosocial Rehabilitation, Volume, Year 2020, Pages. 219-245.

**BOOK CHAPTER: 1**

1. Stochastic quantum bolt-belief neural network-based intrusion detection with two-fish digital hash cryptography for data security. Authors: Kirubanantham P.; Karthik G.M.; Fowjiya S.; Senthil Kumar D. Book Chapter: Machine Learning and Cryptographic Solutions for Data Protection and Network Security, Volume, Year 2024, Pages 219-245.

**BOOK PUBLICATION: 1**

1. The Future of Data Science: Trends, Techniques and Transformations. Authors: Geerthik S, Kathiravan M, Senthil Kumar D., Publisher: LAP LAMBERT Academic Publishing, ISBN: 978-3-659-93161-1.

**PATENTS PUBLISHED: 4****FDP Organized: Nil****Funded Projects: Nil****Scopus ID:** [Scopus Author ID: 59182193800 Scopus Author ID: 57220435374](#)**WOS researcher ID:** [ABV-6043-2022](#)**Orcid Id:** <https://orcid.org/0000-0001-6895-1601>**Google Scholar ID:** <https://scholar.google.co.in/citations?user=eWbhbo0AAAAJ>**Vidwan Profile URL:** <https://vidwan.inflibnet.ac.in/profile/182982>