

Name: A.S.NISHA

Degree: M.E.(Ph.D)

Designation: Assistant professor

Experience: 15 years

Area of Specialization: Data Structures, Machine learning, Data science

Contact (Email id): nishaas@stjosephs.ac.in

Subjects Handled:

- 1 Design and analysis of algorithms**
- 2 Parallel Computing**
- 3 Computer Vision**
- 4 Data Structures**
- 5 Problem Solving and Python Programming**
- 6 Programming in C**
- 7 Computer Networks**
- 8 Machine Learning Techniques**
- 9 Operating System**
- 10 Internet Programming**
- 11 Mobile Computing**
- 12 Unix Internals**
- 13 Computer Architecture**

Publications (Journals & Conferences):

RESEARCH PAPER PUBLICATION DETAILS:

- A.S. Nisha “Novel Hybrid CNN with Bi-LSTM Multi-Focus imagefusion method based on Modified Tetrolet Transform in MRI and CT images” Published in the “Journal of Intelligent & Fuzzy Systems”, 2023.
- N.Malathy, R.Tamilroja, A.S.Nisha and T.Anuja, “Efficient Speech Scrambling Using Ant Mating Optimization” International Journal of Webology, Vol.18, No.6 (2021) ISSN:1735-188X, Impact factor(1.1), Indexed by Elsevier : SCOPUS.

BOOK PUBLICATIONS:

- 1 “Problem Solving and Python Programming” – Arunachala Publications (ISBN – 978-93-5321-110-3). Authors: A.S.Nisha, Pon.L.T.Thai, D.SivaSenthil, C. Subha Darathy, C.Monikandeswari.
- 2 “Computer Networks” - Arunachala Publications (ISBN –978-93-92748-16-5). Authors: J.Ancy John, A.S. Nisha.
- 3 “Internet Programming”- Arunachala Publications (ISBN–978-93-92748-28-8). Authors: A.S. Nisha, C.Subha Darathy.

Patents Published:

1. Published a Patent (22-07-2022) with a title “Ubiquitous data accessing method in IOT based information system for emergency medical services” Application No:202241039561A.
2. Published a Patent (24-11-2023) with a title “AI and IOT based enhanced patient healthcare monitoring system” Application No:202321069307 A
3. Published a Patent (03-08-2024) with a title “Next-Gen Agriculture: IOT, Cloud Computing and AI for detecting plant diseases”. Application No:202441058780A

FDP Organized:Nil

Funded Projects:Nil

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