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Career Summary

~17 years of experience in teaching Computer Science to undergraduate and post graduate engineering students and related academic and administrative activities

Experience

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|---------------------|----------------------------------|-----------|
| Ad hoc Faculty | NIT Calicut | 2018-2020 |
| Assistant Professor | Atria Institute of Technology | 2011-2017 |
| Assistant Professor | SCMS Engineering College | 2010-2011 |
| Assistant Professor | Marian Engineering College | 2006-2010 |
| Lecturer | Narayanaguru Engineering College | 2004-2006 |

Education

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|--|------|-----------------------------------|
| PhD (Computer Science) | 2023 | Bharthiar University |
| M E (Computer Science and Engineering) | 2005 | Anna University |
| B E (Computer Science and Engineering) | 2002 | Manonmaniam Sundaranar University |

Subjects Handled

- Python Programming
- Computer Networks
- Distributed Systems
- Advanced Computer Architecture
- Software Architecture
- Multimedia Systems
- Digital Image Processing
- Computer Graphics

Laboratories Handled

- Python Programming
- Computer Graphics
- C Programming
- Data Structures Programming
- Networks Programming
- Internet Programming
- Database Programming

Administrative

- Coordinated FDPs, Workshops, Hackathons
- Guided 14 PG students and 40 UG students for academic projects
- Coordinated NIRF and NAAC ranking

Research Interests

Computer Networks, Python Programming, Digital Image Processing

Selected Publications

Archana J.N.,Aishwarya. P.,Hanson Joseph, “Enhancement of Pulmonary Images using a Modified Sobel Edge Detection Algorithm for the Diagnosis of IPF” in Indonesian Journal of Electrical Engineering and Computer Science,Vol.24, No.3, Nov, 2021. (SCOPUS)

Archana J.N.,Aishwarya. P , ‘A Discrete Wavelet Transform Based Approach for Enhancement of Lung Images’, International Journal of Advanced Science and Technology Vol. 29, No.4, (2020), pp.7773 – 7783. (SCOPUS indexed)

Archana J.N.,Aishwarya. P , ‘A Wavelet Based Unsharp Masking Algorithm for Enhancing Lung Images’,International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12, October 2019. (SCOPUS)
