DR. JEEVAN L J PINTO

Associate Professor and Head, Dept. of MCA, AIMIT, St Aloysius (Deemed to be University), Mangalore, Karnataka, India

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# CAREER CONTOUR

## Aloysius Institute of Information Technology and Management (AIMIT), St Aloysius (Deemed to be University), Mangalore –

## Associate Professor, Dept. of P G Studies in Computer Science. Since June 2022

* **Yenepoya Institute of Arts, Science, Commerce and Management, Yenepoya (Deemed to be University)**

**Associate Professor (Grade II), Department of Computer Science** **November 2020 – November 2021**

## YENEPOYA INSTITUTE OF TECHNOLOGY, MOODBIDRI August 2016- June 2020

**Student Welfare Officer and Associate Professor, Department of Computer Science and Engineering**

* **SRINIVAS INSTITUTE OF MANAGEMENT STUDIES, MANGALORE Sep 2007- July 2016**

## Associate Professor and H.O.D., Department of Master of Computer Applications

## ST. ALOYSIUS COLLEGE, MANGALORE Jun 1998 – May 2007

**Lecturer (H.O.D. from June 2003 to May 2007)**

## MANGALORE UNIVERSITY

**Visiting Faculty for M.Sc. (Electronics), Aug 2002 – April 2014**

## Visiting Faculty for MCA and M.Sc. (Computer Science), Aug 2001 – April 2014 Visiting Faculty for M.Sc. (Geo Informatics), 2000 – 2005

**INDIRA GANDHI OPEN UNIVERSITY, MANGALORE 1998 - 2005**

**Counselor of BCA and MCA**

# SCHOLASTIC PORTFOLIO

**Ph. D (Computer Science); 2014** ● Mangalore University

*Thesis: Design and Implementation of Energy Efficient Routing Protocol for Wireless Sensor Networks*

**M. Phil (Computer Science); 2009** ● Alagappa University, Tamil Nadu

*Thesis: Histogram based Image Segmentation*

**MCA; 2008** ● Indira Gandhi National Open University, New Delhi

**PG Diploma in IR and PM; 2006** ● Rajendra Prasad Institute of Communication & Management University, Mumbai

**M. SC (Information Technology); 2003** ● Karnataka State Open University, Mysore

**Post Graduate Diploma in Computer Application; 1998** ● Mangalore University

**M. SC (Electronics); 1997** ● Mangalore University, Karnataka

**BSc. (Physics, Mathematics & Electronics); 1994** ● Mangalore University

## Certified EMC Academic Associate, Data Science and Big Data Analytics

* **Completed NPTEL- AICTE FDP in Cloud Computing (Feb-Apr 2019, 8 weeks course)**

## Completed NPTEL- AICTE FDP in Introduction to Internet of Things (July-Oct 2019, 12 weeks course)

**Ph.D. Scholars Guiding: 1 (Under VTU), 5 (Under St Aloysius (Deemed to be University))**

## Membership in Professional Bodies: Life Member of ISTE

**Research Area: Wireless Sensor Networks, IoT, Data Analytics, Cloud Computing Journals Published**

* **Vanaja, Jeevan L J Pinto, “ Balancing and Optimizing Network Parameters Using a Multi-Objective Hippopotamus Optimization Algorithm for Cluster-Based Routing in MANETs”, International Journal of Computer Networks and Applications (IJCNA), Volume 11, Issue 6, November – December (2024), DOI: 10.22247/ijcna/2024/52**
* **Jeevan Pinto**, Manjaiah D H, “An Analysis of Energy-Efficient Data Routing In Wireless Sensor Networks”, IJCA, January 2013, pp-14-18, ISBN: 973-93-80872-01-9
* **Jeevan Pinto**, Manjaiah D H, “Modified Distributed Energy Efficient Clustering Routing Protocol for Wireless Sensor Networks”. IJCA, November 2013, pp-39-43, ISBN: 973-93-80878-59-1
* **Jeevan Pinto**, Manjaiah D H, “Modified Enhanced Stable Election Based Routing Protocol for Wireless Sensor Networks”. IJIRCCE, October 2014, ISSN (online)- 2320-9801
* **Jeevan Pinto**, “Recent Trends In Cloud Computing- A Survey”, IJMIE, July 2015, ISSN – 2249-0558
* A Vanaja, **Jeevan Pinto “**A Study Of An Ant Colony Based Routing Algorithms For MANET”, International Journal of Latest Trends in Engineering and Technology, Special Issue SACAIM 2017, e-ISSN:2278-621X, pp. 001-005
* Mani Bushan D’Souza, Manjaiah D.H. & **Jeevan Pinto** “ROUTE OPTIMIZATION IN MANET USING ACO” International Journal of Latest Trends in Engineering and Technology, Special Issue SACAIM 2017, e-ISSN:2278-621X, pp. 617-621
* Mani Bushan D’Souza, Manjaiah D.H. & **Jeevan Pinto “**A Study of Nature Inspired Algorithms for Routing in MANETs”, International Journal of Emerging Research in Management &Technology ISSN: 2278-9359 (Volume-6, Issue-5), May 2017
* A Vanaja, **Jeevan Pinto “**An Analysis of MANETs: Types, Characteristics, Applications and Performance Metrics”, International Journal of Scientific Research in Computer Science Applications and Management Studies, Volume 7, Issue 6 (November 2018)
* A Vanaja, **Jeevan Pinto “**Performance Evaluation of Reactive Routing Protocols in MANETs in Association with TCP Newreno”, Journal Computer Science Research, Volume 1, Issue 3 (October 2019)
* Jeevan Pinto, B.S Ashil, Lailesh Veigas, “SENTIMENTAL ANALYSIS OF VACCINATION ON TWITTER” SACAIM – 2022, ISBN: 978-81-19070-68-8 | DOI: 10.25215/8119070682.30

## Book Chapters

* D.H. Manjaiah, B. Santhosh, and **Jeevan L.J. Pinto**, “BigData: Processing of Data Intensive Applications on Cloud”. Chapter in “Computational Intelligence for Big Data Analysis: Frontier Advances and Applications” Adaptation, Learning, and Optimization, Volume 19, PP: 201-216. ISSN 1867-4534 ISSN 1867-4542 (electronic) ISBN 978-3-319-16597-4 ISBN 978-3-319- 16598-1 (eBook) DOI 10.1007/978-3-319-16598-1, Springer 2015

**Developed the contents on the topics Internet of Things – Security Specialist, AI Data Analyst, Artificial Intelligence, AI Cloud Application Developer and E-Commerce Executive for Don Bosco Tech Society, New Delhi (2020- 2021)**

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## Conference Papers Presented

|  |  |  |  |  |
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| **Sl. No** | **Title** | **National/**  **International** | **Organizing Institute** | **Date** |
| 1. | “Integrating Wireless Sensor Networks with Cloud  Computing Systems – A Review | National | Srinivas Institute of Management Studies,  Mangalore | 12th December, 2015 |
| 2. | “Cloud Computing Innovation in India – A Survey” | National | Srinivas Institute of Management Studies,  Mangalore | 17th October, 2015 |
| 3. | “Modified Enhanced Stable Election Based Routing Protocol for Wireless Sensor  Networks”. | **International** | St. Aloysius College, Mangalore | 14th and 15th October, 2014 |
| 4. | “The future of cloud computing-Issues and  challenges” | National | Srinivas Institute of Management Studies,  Mangalore | 9th April, 2014 |
| 5. | “Small Business and the Cloud” | National | Srinivas Institute of Management Studies,  Mangalore | 10th April, 2013 |
| 6. | “A Survey of Security Mechanisms in Wireless Sensor  Networks” | National | Srinivas Institute of Technology, Mangalore | 19th and 20th April, 2012 |
| 7. | “An Analysis of Energy- Efficient Data Routing In Wireless Sensor Networks” | **International** | Baselios Mathews II College of Engineering, Kollam, Kerala  **ISBN:978-93-80624-62-4** | 19th-20th February, 2012 |

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| --- | --- | --- | --- | --- |
| 8. | “Cloud Computing – Usages and applications to NGO’s | National | Sahyadri College of Management & Sciences, Mangalore  **ISBN:978-93-81195-10-9** | 2nd and 3rd January, 2012 |
| 9. | “Recent Trends in Cloud Computing” | National | SDM college of Business Management,  Mangalore | 14th and 15th December, 2011 |
| 10. | “Wireless Sensor Networks in Real Time for Higher Education  Learning Activities” | National | Kristu Jayanti College, Bangalore | November 18th- 19th 2011 |
| 11. | “Quality of Service and Energy Efficient Routing in Wireless  Sensor Networks” | National | Srinivas Institute of Technology, Mangalore | April 13th, 2011 |
| 12. | “The Role of Cloud Computing in Business” | National | Srinivas Institute of Management Studies,  Mangalore | 8th April 2011 |
| 13. | " A Comparative And A Contrastive Study Of Routing Protocols In Wireless Sensor  Networks " | **International** | Yashwanth Mahavidyalaya, Nanded, Maharashtra | 9th to 11th January, 2010 |
| 14. | “Issues and Challenges for Wireless Sensor Networks” | National | SDM college of  Management Studies, Mangalore | 20th March, 2009 |

**Conference/ Workshops Attended**

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| **Sl. No** | | **Title** | **Conference/**  **Workshop** | | **Organizing Institute** | **Date** |
| 1. | | Deep Learning and Big Data and Cyber Security  Applications. | Workshop Workshop | | Dept. of Information Technology, NITK | 1st - 5th July 2019 |
| 2. | | IPv6 Networking  Fundamentals | Short Term  Program | | Dept. of Information  Technology, NITK | 27th - 31st  August 2018 |
| 3. | | Data Science and Big Data  Analytics | FDP | | ICT Academy | 3rd - 7th July  2017 |
| 4. | | The Internet of Things- IOT | Workshop | | Yenepoya Institute of Technology, Moodbidri | 27th to 29th September  2016 |
| 5. | | Faculty Development Program | Workshop | | National Institute of Technology, Karnataka  (NITK) | 3rd February to 12th February  2014 |
| 6. | | Simulation of Wired and Wireless Networks (SWN-  2012) | Workshop | | Dept. of Computer Science and Engineering, NITK | 20th June to 22nd June, 2012 |
| 7. | | Simulation of Wireless  Networks (SWN-2011) | Workshop | | Dept. of Computer Science  and Engineering, NITK | June 20th to  24th, 2011 |
| 8. | | Cloud Computing and  Virtualization | Workshop | | Dept. of Computer Science  and Engineering, NITK | 12th to 18th July  2010 |
| 9. | | Information Storage Management | Workshop | | Dept. of Mathematical and Computational Sciences,  NITK | 15th June to 26th June 2009 |
| 10. | | Ubiquitous and Pervasive Computing | National level  conference | | Dept. of Computer Science and Engineering, NMAMIT,  Nitte, Karnataka | 24th to 25th January2008 |
| 11. | | Storage Technologies | International conference | | Dept. of Computer Science and Engineering, NMAMIT,  Nitte, Karnataka | 3rd and 4th December  2008 |
| 12. | | Advances in Computer Networks | Workshop | | Dept. of Computer Science  and Engineering, NMAMIT, Nitte, Karnataka | 28th July to 1st August 2008 |
| 13. | Graph Theory and its  Applications | National  level  conference | Department of  Mathematics, St Aloysius  College, Mangalore | | 4th to 6th  January 2007 |
| 14. | Microcontrollers and Embedded Systems | Workshop | Department of Electronics, Mangalore University | | 19th and 20th August, 2006 |

## Publications

* Author of a Handbook on ‘C’ programming for the Degree Course of Mangalore University.
* Author of a Text Book of Computer Applications for the BBM Degree Course of Mangalore University.
* Author of a Text Book of Computer Applications (Revised syllabus) for the BBM Degree Course of Mangalore University.
* Author of a Text Book of Digital Fluency for the degree courses of Karnataka State , ISBN – 978-93-85682-99-5
* Author of a Text Book of Artificial Intelligence for the degree courses of Karnataka State , ISBN – 978-81-95821-51-8

## Academic Activities

* Member of the Board Of Studies in Computer Applications of Alvas College (An Autonomous College under Mangalore University)
* Member of the Board Of Studies in Computer Science of St. Agnes College (An Autonomous College under Mangalore University)
* Member of the Board Of Studies in Computer Science of P.G. Studies and Research in Computer Science, Mangalore University
* Member of BOE of Master of Computer Applications and M. Sc. (Computer Science) courses of Mangalore University.
* Member of Examination panel of M. Sc. (Electronics) and M.Sc. (Geo-Informatics) courses of Mangalore University.
* Member of Examination panel of Master of Computer Applications, M. Sc. (Computer Science) BCA and B.Sc. courses of Kannur University, Kerala.
* Member of the Board Of Examination of Post Graduate Diploma in Computer Applications of St. Ann’s College of Education ( An Autonomous College under Mangalore University) (From year 2007-2010)
* Member of the Board Of Studies in Computer Science of St. Aloysius College (An Autonomous College under Mangalore University)
* Member of the Board Of Studies in Computer Applications of St. Agnes College (An Autonomous College under Mangalore University)
* From June 2003 to May 2007 served as Head of the Department of Computer Science and Computer Applications at St . Aloysius College Mangalore.
* Served as an Assistant coordinator of Mangalore Study Center of Indira Gandhi National Open University (IGNOU) New- Delhi (March 2000 to December 2001)