




K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

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|----------------------------------|---|---|
| Faculty Name | Dr. R.Senkamalavalli |  |
| Designation | Associate Professor | |
| Educational Qualification | B.E,M.Tech.MBA,phd | |
| Experience in Years | 15 Years | |
| Areas of Interest | Data Mining, Database, Data Structures and Algorithms | |
| E-mail | dr.rsenkamalavalli@ksit.edu.in | |

Educational Details

| Examination/ Degree | College / University | Year of Passing |
|------------------------|--|--------------------|
| Ph. D | SCSVMV University ,Enathur, Kanchipuram. | 2019 |
| M.Tech(CSE) | SRM University, Chennai | 2010 |
| MBA(Systems &HR) | Annamalai University, Chidambaram | 2004 |
| B. E(CSE) | College: VRS Engineering College, Arasur-Madras University | 2001 |

PAPERS PUBLISHED, PRESENTED AND PARTICIPATION / ATTENDENCE IN CONFERENCES & SEMINARS

PRESENTED

- ❖ Presented a paper Titled "Traffic Aware Routing with Round Robin Technique for Equating the load in Software Defined WSN Second International Conference on Electronics and Renewable Systems (ICEARS 2023) Organized by St.Mother Theresa Engineering college,Tamil nadu,India held on 2-4 March 2023.
- ❖ Presented a Paper Titled "Data Mining Techniques for CRM" in the Fourth IEEE International Conference on Information, communication & Embedded Systems (ICICES2014) Organized by the Department of PG studies in Engineering on 27th and 28th February 2014. (Published in IEEE Digital Explore Library).

- ❖ Presented a Paper Titled "Data Mining Techniques for CRM" in the National Conference on Convergent Innovative Technologies & Management" organized by the Department of CSE, ISE & MCA, Cambridge Institute of Technology, on 2nd -3rd December, 2011.
- ❖ Presented a paper titled "Data Mining as driven by knowledge management in higher education – persistence clustering and prediction in an International Conference on Data Engineering and Management at Bishop Heber College –Trichy (Feb-2008)
- ❖ Presented a paper titled "Data Mining for CRM" in an International Conference on Data Engineering and Management at Bishop Heber College –Trichy (Feb-2008)
- ❖ Presented a paper on "Data mining as driven by knowledge management in higher education- persistence clustering and prediction" in the International Conference on Emerging Technologies & Application in Engineering, Technology and Science held at Sangli, Gujarat (Jan-2008)
- ❖ Presented a paper titled "Distributed Data Mining for Coactive Learning and Grid Based System" in a National Conference on computer science and informatics conducted by "St. Joseph's College", Trichy (Feb-2007)
- ❖ Presented a paper titled "Predicting Earth quake through data mining in a National Conference on computer science and informatics conducted by "St. Joseph's College", Trichy (2005)
- ❖ Presented a paper in UGC sponsored National Level Seminar on Cyber impact on society - Seethalakshmi Ramaswamy college symposium (Feb-2004)

PUBLISHED

- ❖ R. Senkamalavalli, Madona, V. Vidya Lakshmi (2023) published a paper on "Machine learning applied to cervical cancer data", | Cardiometry Journal Issue 26. February 2023.
- ❖ Senkamalavalli R, Ketan Sarvakar, S. Raghavendra (2023) published a paper on "Facial emotion recognition using Convolutional Neural Networks" in Elsevier publication volume 80, part 3, page no 3560-3564. Available online 4 August 2021, Version of Record 27 April 2023.
- ❖ Manivannan D, Pachhaïammal Alias Priya, M. Nalini, R. Senkamalavalli published a paper on "Data Mining of Genetic Information Based On Vaguely Organised Themes", IOP Journal of Physics Conference Series (ISSN 1742-6588).
- ❖ R. Senkamalavalli, M. Nalini, Manivannan D, Pachhaïammal published a paper on "Efficient Visualisation and Developments in Big Data Research and Mining Criminal Intelligence Analysis", in IOP Journal of Physics Conference Series (ISSN 1742-6588),

- ❖ Senkamalavalli R, Bhuvaneswari T. (2018), "Improved Classification of Breast Cancer Data using Hybrid Techniques", published in International Journal of Advanced Engineering Research and Science (IJAERS) (ISSN:2349-6495(P) | 2456-1908(O)): Vol-5, Issue-5, Pg.: 077-081, May 2018.
- ❖ Paper titled "Distributed Mining of Agglomerative clustering on vertically Partitioned data", in Australian Journal of Basic and Applied Sciences, 9(5) March 2015, Pages: 486-489.
- ❖ Paper titled "Data Mining for CRM" Published in International journal of scientific and Engineering Research (IJSER) volume 4, Issue 4, April 2013 Edition. (ISSN 2229-5518).
- ❖ Published a paper Titled "Web Mining Technology Human Machine Connection" in ICFAI Journal of Infrastructure Volume: 3, Page Number 56 Issue (Aug-2004)

PARTICIPATED

- ❖ Participated in National Seminar on Web Information System and Technology Conducted by Computer Science Department of SCSVMV University (Sep-2008)
- ❖ Participated in National Conference on Emerging Technologies and Application conducted by Amoghsiddhi Education Society, Sangli and submitted a paper titled Grid Computing (Oct-2006)
- ❖ Participated in National Conference on Emerging Technologies and Application conducted by Amoghsiddhi Education Society, Sangli and submitted a paper titled Data Mining in Astronomy (Oct-2005)
- ❖ Participated in National Level Technical paper presentation competition 2005 and presented a paper titled "Diagnosis of ovarian cancer through data mining" (Jan-2005)
- ❖ Participated in National Level Technical paper presentation competition 2005 and presented a paper titled "Wireless voice over Internet Protocol" (Jan-2005)

REFRESHERS

- ❖ Attended a refresher course in Computer Science from 3rd November to 23 November 2003 at Bharathidasan University Academic Staff College, Trichy.
- ❖ Attended a refresher course in Computer Science from 16th Aug to 5th Sep 2004 conducted by SCSVMV, Kanchipuram

FACULTY DEVELOPMENT PROGRAM

- ❖ Participated in FDP on Disruptive Technologies on 8th to 20th may 2020 conducted by AVIT, Chennai.
- ❖ Participated in FDP on Teaching Learning Process on 11th to 15th may 2020 by Bharath University, Chennai.
- ❖ Participated in FDP on Artificial Intelligence and Machine Learning on 18th to 22th may 2020 by CMRTC University, Hyderabad.

ATTENDED

- ❖ Attended a National Workshop on Micro and Nanotechnology-Advances and Implications conducted by SCSVMV University (Mar-2008)
- ❖ Attended a workshop on "Content Management and Web Based Applications Using Open-Source Software at RMK Engineering College, Kavaraipettai (Aug-2007)
- ❖ Attended a AICTE Sponsored National Seminar on Advances in "Networks and Communication" conducted by SriManakula Vinayagar Engineering college –Pondicherry (Oct-2006)
- ❖ Attended a workshop on "GRID COMPUTING" conducted by Sri Venkateswara College of Engineering pennalur, Sriperumbudur (Jan-2006)
- ❖ Attended a regional seminar on Intellectual property rights organized by Department of Management studies (Mar-2005)
- ❖ Attended a National Conference on computer science and informatics conducted by "St. Joseph's College", Trichy (Feb-2005)
- ❖ Attended training at Pondichery Engineering College on confluence of industry and Academia conducted by InfoSys, Chennai (Jan-2005)
- ❖ Attended a workshop Sponsored by ISTE in Data Mining Conducted by Sri Venkateswara College of Engineering (Dec-2004)
- ❖ Attended a workshop Sponsored by AICTE in Data Warehousing and Data Mining Conducted by Thiagarajar Engineering College (Nov-2004)
- ❖ Attended a UGC sponsored National Level Seminar on Cyber impact on society - Seethalakshmi Ramaswamy college symposium (Feb-2004)
- ❖ Attended one day Business Meet on solar thermal application organized by Mechanical Engineering and Ministry of non conversional energy source (Mar-2003)
- ❖ Attended a Seminar on NACC at SCSVMV (Aug-2002)
- ❖ Attended a state level seminar on current trends in computer application and human resource development held at "Theivanai Ammal College for Women" (Feb-2002)

BOOK PUBLISHED

- ❖ Published a book on "Artificial Intelligence and Applications Published by Notion Press Media Pvt Ltd ISBN: 978-1-68509-359-4 July 2021.

FACULTY DEVELOPMENT PROGRAM ORGANIZED

- ❖ Organized faculty Development Programme on Cyber Security and Blockchain Technology at East Point College of Engineering & Technology, 5- 9th April 2022

INTERNATIONAL CONFERENCE ORGANIZED

- ❖ Organized International Conference on Emerging Trends & Innovation in Science, Engineering and Education at East Point College of Engineering & Technology on 25th & 26th August 2022.

COURSE CERTIFICATION COMPLETED

- ❖ Completed Faculty Enablement program on "Python Programming through INFYTQ Platform " conducted by INFOSYS 6.7.2020 TO 13.7.2020 .
- ❖ Completed Database design Cumulative Exam on 29.3.21 -Oracle Academy.
- ❖ Completed Database Foundations Cumulative Exam on 11.4.2021- Oracle Academy.
- ❖ Completed Skill up certification programme on Introduction to PySpark for Beginners -12.1.2023
- ❖ Completed Skill up certification programme on Data Science with Python 24.1.2023.
- ❖ Completed Skill up certification programme on Getting started with Hadoop on 21.1.2023

PATENT AWARDED/APPLIED

- ❖ Patent approved titled "By using vector machine learning on detection of fraudulent sellers in Online Marketplace.
- ❖ Patent approved titled" Cloud And Embedded Based Smart Cities for Rapid Population".
- ❖ Patent Applied titled "IOT and Artificial Intelligence Based Smart Electrical Load Transmission Distribution ,Observing and Monitoring System using PLC and Webserver".

Awards

1. Recipient of President and Governor Award in Bharat Scouts and Guides.

Contact Details:

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