

PROFILE



Dr.SWARNALATHA. K

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Dattagalli 3rd stage, MYSURU-22.
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Profile Summary:

Dedicated and innovative academic professional with over 22 years of experience in Computer Science and Engineering. Demonstrated expertise in teaching, research, and administrative leadership. Proven track record of fostering academic excellence, driving innovative research, and leading departmental initiatives. Committed to advancing the institution's mission through strategic planning, interdisciplinary research, and mentorship, while enhancing student engagement and outcomes.

Education Details :

- **Ph.D** in Computer Science , Visveswaraya Technological University, Belagavi,2022.
Title of research work: ***“Compact Representation of Text Data for Effective Classification”***
Name of the Guide: **Dr. Basavaraj S. Anami**, Registrar, KLE Technological University, Hubballi
Research Centre: Department of Computer Science and Engineering,K. L. E. INSTITUTE OF TECHNOLOGY, HUBBALLI-580030
- **M.Tech** in Computer Science and Technology, University of Mysore, Mysore, 2003.
- **B.E** in Polymer Science and Technology, Sri Jayachamarajendra College of Engineering, University of Mysore, Mysore, 1997.

Research:

Research supervisor: Visveswaraya Technological University, Belagavi.

Professional Experience :

Total teaching experience: 22 years 6 Month

- Working as Professor and HOD, Dept of AI and DS, MITT, Mysore(Aug 2025- till date)
- Worked as Associate Professor and HOD, Dept of AI and DS, MITT, Mysore(Sep 2021- July 2025)
- Worked as Associate Professor and HOD, Dept of ISE , MITT, Mysore(July 2017- 2024)
- Worked as Associate Professor, Dept of CSE, GSSSIETW, Mysore(July 2016- May 2017)

- Worked as Associate Professor, Dept of ISE, GSSSIETW, Mysore(Sep 2011- June 2016)
- Worked as Assistant professor , Dept of ISE ,GSSSIETW, Mysore (Oct 2008- Aug 2011)
- Worked as Lecturer ,Dept of ISE, GSSSIETW, Mysore (Oct 2003 – Sep 2008)

Publication :

- “Corpus of Kannada Vachanas: Compilation, Annotation, and Potential Applications”, International Conference on Machine Learning and Data Engineering, ICMLD-2025,2025
- “Background based Authentication for Face Recognition Systems”, J. Electrical Systems 20-11s (2024): 2145-2150.
- “Integrated Internet Architecture and Protocol Framework for Peer-to-peer File Sharing in the Internet of Everything (IoE)”, Journal of Internet Services and Information Security (JISIS), volume: 14, number: 3 (August), pp. 265-274.
- “Integrating Cryptographic Techniques with Machine Learning Algorithms for Enhanced Data Privacy and Information Security: A Mathematical Framework”, Communications on Applied Nonlinear Analysis ISSN: 1074-133X, Vol 31 No. 8s (2024).
- “Three-Dimensional Convolutional Neural Network for Wheat Rust Disease Classification”, International Conference on Distributed Computing and Optimization Techniques, ICDCOT 2024,2024.
- “Deep learning and Sentiment Analysis Improve E-Commerce Sales Prediction”, IEEE International conference, ICDSNS,28-29 July 2023.
- “. Comprehensive Survey on Fog Cloud Computing”, International conference, ICGCP,5-7 May 2023.
- “Analysis of Dimensionality Reduction Techniques for Effective Text Classification” International Conference on Intelligent Technologies (CONIT) Karnataka, India. June 25-27, 2021.
- “Interval-valued feature selection for classification of text documents”, In International Conference on Intelligent Systems Design and Applications, ISDA-2020.
- “Explorative Analysis of Compact Representation of Imbalanced Text Documents for Effective Classification”, Solid State Technology Volume: 63 Issue: 2s,2020.
- “Effective Technique to Reduce the Dimension of Text Data”, IJVIP 10(1):67-75, (2020).
- “Class wise Clustering for Classification of Imbalanced Text Data”, In: Sridhar V., Padma M., Rao K. (eds) Emerging Research in Electronics, Computer Science and Technology. Lecture Notes in Electrical Engineering, vol 545. Springer, Singapore (2019).
- “A filter based feature selection for imbalanced text classification”, In International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R)-2018. Springer-CCIS
- “A Novel Approach for Aggregate Queries to Manage Big Data”, in proceedings of National level conference on Emerging Trends in Engineering, Research and Management, GMIT

Davangere on 23rd and 24th September 2016.

- “Data storage Security on Cloud” in proceedings of National level conference on Emerging Trends in Engineering, Research and Management, GMIT Davangere on 23rd and 24th September 2016.
- “Robust Second Level Palm Vein Authentication for Digital Vault”, in proceedings of International Conference on Applied Science Engineering and Technology, Sai Ram College of Engineering, Bengaluru on 7th June 2016.

Patent :

Cost effective Sewerage Blocking Monitoring Using Image Processing and Internet of Things,13/4/2024.

Copyrights :

Automatic Google Scholar Citation Fetching Using Python,2/6/23.

Areas of Interest :

- **Teaching Interest:** Data structures,Artificial Intelligence,Natural Language Processing, Compiler Design, Operating Systems, Analysis and Design of Algorithms, Object Oriented Modelling and Design, System Simulation and modelling, Big Data ,Cloud Computing , Software Testing,Storage Area Network,Software Architecture and Design Pattern,Data Mining.
- **Research Interest:** Pattern Recognition, Text Analytics, Image Processing, Symbolic Data Analysis.

Academic Activities :

- Research Supervisor for Visvesvaraya Technological University
- BOE Member for Maharani Cluster University,Banglore,Karnataka.
- Reviewer for IEEE and ICTIEE Conference papers in the year 2023 and 2024.
- Moderator/ valuator/Paper setter/ DCS / Flying Squad / Practical & project Examiner for BE Examination Visveswaraya Technological University,Belagavi.
- External Examiner for Project/Valuator, University of Mysore, Mysore.
- Theory paper valuation/ Paper setter, People’s Education Society college of Engineering, Mandya/SJCE Mysore.

Faculty Development Activities :

- Attended AICTE workshop on Advanced Computing Paradigms in Indian Context: Supercomputing, Artificial Intelligence, and Quantum Technologies in Kannda Language at Nagarjuna College of Engineering and Technology from Feb 16th to Feb 18th 2026.
- Attended ICTIEE 2026 at Banglore, Jan 7th to Jan 10th 2026
- **Conducted** “AI Symposium”, MITT, Mysuru,28th & 29th October 2025
- Attended IUCEE Annual Leadership Summit- 2025 at International Centre, Goa, July 11th to July

12th 2025.

- Attended ICTIEE 2025 at Hyderabad, Jan 7th to Jan 10th 2025
- Attended Sustainable Development Goals Workshop at Kuppam, Andra Pradesh ,3/6/24 to 6/6/24
- Attended Faculty Conclave for Teaching and Learning at RV College of Enigneering,Banglore,30/3/2024
- Attended ICTIEE 2024 at Hubli, Jan 2nd to Jan 4th 2024.
- Attended Network Security workshop at Challakere,IISc , 24/7/23-29/7/2023
- Attended Cyber Security work shop at Challakere,IISc, 27/3/23-1/4/2023
- Attended 40-Hour FDP on “computational Statistics”, NIT Warangal and JSSSTU, Mysore ,1st August 2022 to 10th August 2022.
- Attended FDP on “Inculcating Universal Human Values in Technical Education”,28th March to 1st April,2022.
- Attended FDP on “Mathematics in Artificial Intelligence, Machine Learning and Deep Learning “1st September to 5th September 2021.
- Attended 5day FDP on,” Computer Science and Biology” Maland College of Engineering,19th Jan to 23rd Jan 2021.
- Attended 5-day workshop on” Recent trends on computer science”, MITM, Mysuru,24th August to 28th August 2020.
- **Conducted Workshop on “Ethical Hacking and Cyber security”**, GSSSIETW, Mysuru,27th & 28th March 2017.
- Attended one day workshop on “Blooms Technology”, GSSSIETW, Mysuru, 31/01/2017.
- Attended National Level ISTE Faculty Development Program on “Writing Research Proposal”, SDMIT, Ujire, 5/11/2016.
- Attended Workshop on” Cyber Crime Prevention and Detection; Legal Issues” Sri Jayachamarajendra College of Engineering, Mysuru, 20/08/2016.
- Attended Workshop on Digital Image Processing: Basics to Recent Trends” Sri Jayachamarajendra College of Engineering, Mysuru, 13-17/06/2016.
- Attended Two-day FDP on “Wireless Sensor Networks and IoT” at GSSSIETW, Mysore, 27th and 28th January 2016.
- Staff coordinator for National conference (NCRACICA-2015) conducted on April 2015 at GSSSIETW, Mysuru.
- Attended the FDP on “NBA Accreditation” at GSSSIETW, Mysore, and 21st July 2015 to 23rd July 2015.
- Attended Workshop on “Intellectual Property Rights" Visveswaraya Technological University Regional office, Mysore, 27/01/ 2014.
- **Conducted several workshops** from IBM COE. To name a few, RTC, TIVOLI Development, LOTUS, RAD & DB2, GSSSIETW, Mysore, 2010-2014.

- Attended AICTE sponsored Three day Symposium on " Multimedia Information Archival and Retrieval System (MIARS)", at Department of MCA, Peoples Education Society institute of Technology, Bangalore, 11-13/11/2013.
- Attended National Workshops on "Pattern Recognition & Applications in Machine Intelligence", Kannur University, Kerala, 18/10/ 2013.
- Attended State level Seminar on "Recent Tools for Dimensionality Reduction in Understanding Medical Data" JSS College for women, Chamarajanagar, 22/08/2013.
- Attended Mission 10x Program, Wipro, Vidya Vardhaka College of Engineering, Mysuru, 2011.

Administrative Activities :

- HOD,AI&DS,MITT,Mysuru.
- Teaching Learning Centre Leader for IUCEE ,MITT,Mysuru.
- Working for CICC ,MITT,Mysuru.
- President, Institution Innovation Cell(IIC),MITT,Mysuru.
- Cultural Secretary ,MITT,Mysuru.
- Grievance Redressal Cell Committee member, GSSSIETW, Mysuru , 2016-17
- HOD ISE , Even semester,GSSSIETW, 2012-2013
- IBM COE Coordination, GSSIETW ,2010 -2014
- Supervisor for COMED-K, GSSIETW, 2010- 2013
- Disciplinary Committee Co-ordinator,2003-2012

Professional Membership :

- LM ISTE [96890]
- LM CSI [I1502746]

Awards Received :

- Individual Honorary Member Award, IUCEE,2026
- Individual Honorary Member Award, IUCEE,2025
- IGIP International Engineering Educator Award, IUCEE,2025
- Leadership of Teaching and Learning Center Award, IUCEE Showcase Awards,2024.
- Certified as IIEECP (IUCEE International Engineering Education Certification Program) from IUCEE.
- Best Paper Award,2018.
- IBM TGMC Mentor award, 15/10/2014.
- Received Certificate of Appreciation for achieving 100% results in Operating System, Data Structures, Data Warehouse and Data Mining, System Modelling and Simulation, Compiler Design & Cloud Computing at GSSSIETW, Mysuru.

- Received High Impact Teaching Skills certificate, Wipro Mission 10x programme, 2011.

Personal Details :

- Date of birth : 03-07-1975
- Hobbies: Listening to music, Reading books.
- Languages : English, Hindi, Kannada

My Vision :

Be globally recognized with outstanding academic excellence in computer science and engineering to impart state of the art knowledge to young students.

Date:11/04/26

Place: Mysuru

Dr. Swarnalatha K