



Faculty Name	Indu B	
Academic Designation	Assistant Professor	
Educational Qualification	M Tech,BE,(PhD)	
Experience in Teaching & Industry	19Y	
Date of Joining	01/01/2024	
Official Email ID	indu-aiml@dstam.edu.in	
Employee ID	180750	

Educational Details

PhD-(Course Work completed)at REVA University Bangalore, Under the Guidance of Dr.Geeta C Mara with the tentative Title "Reliable Task Offloading And Scheduling Strategies For Delay Sensitive Applications In Edge Networks".

Master of Technology (Computer Engineering) Degree from SJB Institute of Technology, Visvesvaraya Technological University, Karnataka, 2014 with First Class Distinction 82.5%

Bachelor of Engineering (Information Science and Engineering) Degree from SBMS Institute of Technology, Visvesvaraya Technological University, Karnataka, in the year 2005 securing First class 64%.

MBA in Information Technology from Symbiosis Centre for Distance Learning(SCDL) Pune University securing 61%.

Professional Experience

Currently working as Assistant Professor in the Department of Artificial Intelligence and Machine Learning since Jan 2024 Till date.

Worked as Assistant Professor in the Department of Information Science and Engineering at Global Academy of Technology and Management during Oct 2022 till Dec 2023.

Worked as Assistant Professor in the Department of Computer Science and Engineering at AMCEC during July 2018 till Sept 2022

Worked as Assistant Professor in the Department of CSE/ISE at YDIT during Oct 2014 till Aug 2018

Worked as Assistant Professor in the Department of CSE/ISE at YDIT during Oct 2006 till Dec 2012

Publications

Scopus Indexed Publications

1. A Data-Centric Optimization Strategy for Advanced Information Management Systems. 2nd International Conference on Big Data and Machine Learning Icbdml 2026.
2. "A Survey on Emergency Alert System for Deaf People using AI", Sep – 2025, 2nd International Conference on Intelligent Algorithms for Computational Intelligence Systems Iacis 2025
3. "Domain-Adaptive Reinforcement Learning Framework for Robust Autonomous Vehicle Navigation", Nov - 2025 International Conference on Innovations in Intelligent Systems Advancements in Computing Communication and Cybersecurity Isac3 2025
4. "Real-Time Traffic Congestion Detection Using ResNet50 with Multi-Dimensional Feature Fusion Residual Block in YOLOv8", Nov - 2025 3rd International Conference on Sustainable Computing and Data Communication Systems Icsdcs 2025.
5. "Intelligent Air Pollution Forecasting: A Deep Learning Approach with 1D-CNN and Kookaburra Optimization", Nov - 2025 , 3rd International Conference on Sustainable Computing and Data Communication Systems Icsdcs 2025. IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation Iatmsi 2024
6. "A Breakthrough Approach for Prostate Cancer Identification Utilizing VGG-16 CNN Model with Migration Learning", Apr - 2024 , 2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation Iatmsi 2024
7. "Survey on Decentralized Computing Models published in MAHE International Conference CODE-AI 2024 – Taylor and Francis
8. "Heart Disease Prediction Using Artificial Intelligence Ensemble Network", Dec - 2022 Mysurucon 2022 IEEE 2nd Mysore Sub Section International Conference
9. "Using Health Sensors, Internet of Things (IoT), and Machine Learning to Determine the Potential Dangers Older People Pose to Society", Mysurucon 2022 IEEE 2nd Mysore Sub Section International Conference

International Conferences:

1. International Conference Conducted at AMCCE "International Conference on Advanced Computing Techniques" ICACT 11th and 12th May 2016.
2. Indu B, K C Gouda, Nirmala H, "Benchmark Approach for Regional Climate Model in HPC Platform" NCITSF'14 IJERT CSECONF-2014 Proceedings ISSN 2278-0181
3. Indu B, K C Gouda, Nirmala H, "Weather Modelling in HPC Environments" IJSRCSAMS (International Journal of Scientific Research in Computer Science Applications and Management Studies) Volume 3 Issue 3 (May 2014) ISSN 2319- 1953.

National Conferences:

1. National Conference on Information Technology for Sustainable Future- **NCITSF-2014**(May 9, 2014)
2. National Conference on **“Innovation in Information Technology”** (NCIIT-2015).
3. 3rd National Level Conference on Information Processing, AMCEC

Patents Published

1. “LoRa adhoc network based outdoor wireless communication system” Engineering and Technology” Utility Patent Published 09/09/2022
2. “An Efficient Approach for Service Placement in Edge Network Using Deep Neural Network” Published 06/09/2024
3. “An Adaptive Service Resource Approval Policy for Dynamic and Indeterminate Load in Cloud-Edge Platform”- Publication: 25/07/2024
4. “Enhanced Text Extraction from Images using CNN-Assisted Image Preprocessing and OCR Techniques“ Publication : 06/02/2026.
5. “Vision-Based Emergency Vehicle Detection Using Transfer Learning Techniques” Publication:20/03/2026

Awards

1. Won the Best Paper award for the paper titled ”Vision-Based Real-Time Sign Language Translation for Accessibility Enhancement “ at DSATM, AMISE 2026.
2. AWS Foundations Academy Training” from 3/11/2020 to 07/11/2020.Globally Certified Educator for training AWS Foundation course and Successfully Trained 30 Students in Academic Year May 2021 – Sept 2021
3. Won the Best Paper Award for a paper presented titled “Benchmark Approach for Regional Climate Model in HPC Platforms” at Jain University, National Conference on Information Technology for Sustainable Future- NCITSF-2014(May 9, 2014)

Academic Activity

1. NAAC Criteria 5 Coordinator,
2. AICTE Activity Points Coordinator
3. Infosys Springboard Coordinator

Faculty Development Activity/Workshops

1. Participated in 5 Days Faculty Enablement program on “Agile Methodologies” Conducted by Infosys Springboard during 22/06/2026 to 26/06/2026
2. Participated in 5 Days faculty development program on “Next Generation Data Science: AI driven Analytics and Scalable Computing” during 29/06/2026 till 03/07/2026
3. Participated in 5 Days Faculty development Program on “Advanced Artificial Intelligence & Machine Learning: Models, Applications and Research Perspectives” during 09/01/2026 till 13/01/2026
4. Participated in 5 days Faculty Enablement Program on “Java Programming” Conducted by Infosys Springboard during 19/01/2026 to 23/01/2026
5. Participated in 5 days Trainer Program on “AI for Future Workforce” Conducted by Intel, 6 Feb 2026
6. Participated in Two Day’s workshop on “Social Emotional Learning” Organized by TLC, DSATM from 16 Jan 2024 to 17 Jan 2024.
7. Participated in Faculty Immersion Program on OBE during 11.3.2024 to 15.3.2024 organised by DSATM
8. Participated in Two Day’s workshop on “Social Emotional Learning” Organized by TLC, DSATM from 16 Jan 2024 to 17 Jan 2024.
9. Participated in 5 Days ATAL FDP on Quantum Photonics, Computing and Communications during 18/12/2023 to 23/12/2023.
10. Participated in 6 Day Faculty Development Program on “Deep Learning for Natural language Processing” Organized by Department of Artificial Intelligence and Data Science, Global Academy of Technology in Association with Indian Institute of Information Technology, Allahabad from 25th to 30th September 2023.
11. Participated in 5 Day Faculty Development Program on “Data Analysis and Visualization Using Tableau” Organized by Department of Artificial Intelligence and Data Science, Global Academy of Technology in Association with Indian Institute of Information Technology, Allahabad from 16th to 22nd August 2023.
12. Participated in 5 Day Faculty Development Program(Online)on “ICT Tools for Innovative Teaching & Learning Process” Organized by Department of Information Science & Engineering during 28th March - 1st April,2022 at RV Institute of Technology and Management, Bengaluru.
13. Participated in Five days ATAL workshop on IoT from 13/12/2021 to 17/12/21
14. Participated in five days ATAL Workshop AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Big Data and Analytics" from 20/09/2021 to 24/09/2021 at BNM Institute of Technology.
15. Participated in AICTE Training and Learning (ATAL) Academy Online FDP on "Cyber Security" from 2021-2-8 to 2021-2-12 at Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya.

16. Participated in Five days Online Workshop on “A DevOps Approach:Dockers in Blockchain” from 17 June 2020 to 21 June 2020 at AMC Engineering college.
17. Participated in Three days Online FDP on “AWS Cloud,Dockers Containers Grafana and Performance Benchmarking of Storage Systems”Organized by Vidhyavardhaka College of Engineering,Mysore from 10th June 2020 to 12th June 2020.
18. Participated in the Five days Online FDP on “Machine Learning and Data Science for Engineering Applications” from 5 th June 2020 - 10th June 2020, Organized by Department of CSE & IT, Shadan College of Engineering and Technology, Hyderabad.
19. Participated in National level webinar on “WRITING EFFECTIVE RESEARCH PAPER” on 30-05-2020
20. Participated in Three days Online FDP on “Internet of Things and Applications” from 27 May 2020 to 29 May 2020 Conducted by Cloud chip Technologies Pvt Ltd in Association with RYMEC-IQAC-CSE
21. Participated in Three days Online FDP on “Real Time Case Studies in Machine Learning” Organized by CSE Dept EWIT Bangalore from 22nd June to 24th June 2020.
22. Participated in Three days FDP on“Exploring Machine Learning Algorithms and Applications” from 21st May 2020 to 23rd May 2020, Organized by Kongu Engineering college.
23. Participated in Five days’ Workshop on Network Data Analyticsan Approach for Application development Organised by MSRIT Bangalore from 1st July to 5th July 2019
24. Participated in Fivedays’ workshop on“Computational Data Science” Conducted by Information Science Engg Dept from 13thJune -17thJune 2016 at MSRIT, Bangalore.
25. Participated in Six Days workshop on “Knowledge Discovery and Applications” Conducted by CSE Dept SJBIT from 18th Jan 2016 – 23rd Jan 2016 at SJB Institute of Technology, Kengeri
26. Participated in Two Days Workshop on “Android & Web Applications” Conducted by Dr Code on 11th and 12th Sept 2015 at YDIT, Bangalore
27. Participated in One Day Faculty Development Program titled “Experiential Teaching Methodology on Communication and Interpersonal Skills at Workplace” Conducted on 29th Aug at YDIT
28. Participated in Five Days Faculty Development Program on “Machine Intelligence and Image Processing” organized by CSE Dept, SJBIT kengeri, Bangalore, 20th to 24th July 2015
29. Participated in Five Days Faculty Development Program “MISSION10X” Organized by Wipro Technologies in the year 2009.

Contact Details

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