



Dayananda Sagar Academy of Technology & Management

(Autonomous Institute under VTU)

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
6 Programs Accredited by **NBA**
(CSE, ISE, ECE, EEE, MECH, CV)

Faculty Name	Dr.Monika Arya	
Academic Designation	Associate Professor in Cyber Security dept	
Educational Qualification	Ph.D,M.Tech ,B.E.	
Experience in Teaching & Industry	20 year	
Date of Joining	13/05/2026	
Official Email ID	monika-cysec@dsatm.edu.in	
Employee ID	180927	

Educational Details

Course	Discipline	School/college	Board/university	Year of passing	Percentage
Ph.D	CSE	UPES, Dehradun	UPES, Dehradun	2022	NA
M.Tech	C.S.E	Rungta Engineering college, Bhilai	CSVТУ, Bhilai	2012	79.36
B.Tech	CSE	RIT, Raipur	Pt.RSSU, Raipur	2005	70.33
HSSC	PCB	Holy Cross HS School, Raipur	MP Board, Bhopal	1999	73.33
SSC	All Subjects	Holy Cross HS School, Raipur	MP Board, Bhopal	1997	77.4

Professional Experience

- Assistant Professor in Computer Science & Engineering from 26th June 2006 to 6th Feb 2024 at Bhilai Institute of Technology, Durg C.G.
- Associate Professor in Computer Science & Engineering from 12th Feb 2024 to 30th August 2025 at CMR Engineering College, Hyderabad Telangana.
- Associate Professor in Department of AIML at Sanjivani University, Kopergaon MS from 5th Sep 2025 to 8/5/2026.

Publications

1. Intruder detection in VANET data streams using federated learning for smart city environments
2. DEAL–‘Deep Ensemble ALgorithm’ framework for credit card fraud detection in real-time data stream with Google TensorFlow
3. A novel extra tree ensemble optimized DL framework (ETEODL) for early detection of diabetes
4. A novel extra tree ensemble optimized dl framework (Eteodl) for early detection of diabetes
5. Stock indices price prediction in real time data stream using deep learning with extra-tree ensemble optimisation.
6. Automatic Detection and Categorization of Skin Lesions for Early Diagnosis of Skin Cancer Using YOLO-v3- DCNN Architecture
7. Deep-CNWO: a deep-chaotic nature whale optimization algorithm for early prediction of blood pressure disorder in smart healthcare settings

International Conferences:

1. Improving the efficiency of ensemble classifier adaptive random forest with meta level learning for real-time data streams. In Intelligent Computing and Communication
2. A novel deep ensemble learning framework for classifying imbalanced data stream. In IOT with Smart Systems
3. Ensemble Deep Learning Approach with Attention Mechanism for COVID-19 Detection and Prediction. In Ambient Intelligence in Health Care
4. Lung Cancer Detection Using Modified Fuzzy C-Means Clustering and Adaptive Neuro-Fuzzy Network. In Applications of Artificial Intelligence and Machine Learning
5. Ensemble Federated Learning for Classifying IoMT Data Streams
6. Hybrid Nature-Inspired Based Oversampling and Feature Selection Approach for Imbalance Data Streams Classification.
7. A Comparison of Feature Selection Approaches for Liver Disease Data
8. ML-Based Feature Selection Technique for Imbalanced Data Streams
9. An Adaptive Streaming Feature Selection Technique for Classifying Non-Stationary Data Streams
10. An Extra Tree Ensemble Optimization-Based Deep Learning Framework for Human Activity Recognition.
11. An effective and efficient technique that uses onvolution neural networks to identify coronary artery disease using IRIS

12. Early Detection of Chronic Kidney Disease Using an Intelligent Hybrid Ensemble and Statistical Feature Selection.

13. A Suitable Wireless Channel Status Determination by Using Deep Learning for 6G Communication

National Conferences:

NA

Conference Attended

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Academic Activity

- Member of Library committee at Bhilai Institute of Technology, Durg C.G. since 2020 till present.
- Member of Board of studies (BoS) in Dept. of Computer Science & Engineering at Chhattisgarh Swami Vivekananda Technical University, Bhilai , since 2019.
- Departmental In-charge - Practical Exam, Training & Placement, Vocational Training & Internships, Meeting Minutes, Class test conduction, Project (Minor and Major)
- In charge of Criteria 2 (NBA) for tier 2 in BIT, Durg.
- In charge of Criteria 8 (NBA) in CMREC, Hyderabad.
- Dean Outreach in CMREC, Hyderabad.
- Project Incharge At Sanjivani University , Kopargaon.

Faculty Development Activity/Workshops

1. 3 Days National workshop on **“Recent trends in Object oriented Software Testing”** organized by the Computer Science & Engineering Department, NIT Rourkela from 23rd to 25th June 2008.
2. 15 Days SDP on **“Advanced software engineering techniques and their applications”** organized by the Computer Science & Engineering Department, NIT Rourkela from 13th-26th October 2008.
3. 1 Day STTP on **“Formal language and Automata theory”** organized by IARCS, Chennai on 13th March 2009.
4. 15 Days SDP on **“Data warehousing and Data Mining”** organized by NIT, Tiruchirappalli from 25th May to 6th June 2009.
5. 2 Days Workshop on **“Open-Source Software”** Computer Science & Engineering Department, BIT Durg from 7-8th December 2010.
6. 12 Days AFT on **“Network Programming and Security Engineering”** at CDAC Hyderabad from 3rd-14th June 2013.
7. 7 Days ISTE workshop on **“Computer Networking”** organized by IIT, Bombay from 30th June to 5th July 2014.

8. 7 Days ISTE workshop on “**Computer Programming**” organized by IIT, Bombay from 16th June to 21st June 2014.
9. 12 Days ISTE workshop on “**Cyber Security**” IIT, Bombay from 10th July to 20th July 2014.
10. 7 Days FDP on “**Statistics With R**” organized by E & ICT Academy, NIT Warangal from 26th November-1st December 2016.
11. 5 Days STTP on “**Data Mining and Business Intelligence**” organized by NITTR, Chandigarh from 4th Sep to 8th Sep 2017.
12. 2 Days Workshop on “**Innovative Research in Pedagogy for Mini-MOOCs Blended with Instruction strategy to Enhance Quality of Higher Education**” Sponsored by Royal Academy Engineering and Thapar University Patiala, from 18-19 Sep 2017.
13. 7 Days AICTE approved FDP on “**Big Data Analytics using Hadoop and Spark**” organized by BIT, Durg on 26th Nov to 1st Dec 2018.
14. 1 Day workshop on “**Wireless Sensor Networks**” under TEQIP-III held at BIT, Durg on 11th March 2019.
15. 2 Weeks AICTE Sponsored FDP on “**Spectrum Insights of Machine Learning Paradigms**” held during 11-23 Nov 2019.
16. 1 Week FDP on “**Data Science**” under ATAL, conducted by IIIT, Naya Raipur during 23-27 Nov 2019.
17. 5 Days Workshop on “**Cloud Computing**” held at Bennett University, Greater Noida from 27-31 May 2020.
18. 7 Days FDP on “**R-Programming**” organized by Chouksey Engineering College from 15-21 June 2020.
19. 7 Days Teacher Training Program (TTP-2021) on “**Machine Learning**” conducted under AICTE-CSVTU-TTP organized at BIT, Durg from 26-31 May 2021.
20. 5 Days FDP on “**Introduction to Data Science**” organized by Dept. of CSE, Guntur Engineering College from 18-22 May 2020.
21. 1 Day workshop on “**C and C++**” organized by ICTC Bombay, held at BIT, Durg on 29th Feb 2020.
22. 7 Days AICTE Sponsored STTP on “**Recent Aspects on Deep Learning in Image and Video Processing**” organized by Dept. of ECE, Velammal Institute of Technology from 14-19 Dec 2020.
23. 1 Week FDP on “**Recent Advances in Biomedical Applications and Communication Networks**” organized by Dept. of ETC, GRM Institute of Technology, Rajam, AP.
24. 5 Days FDP on “**Block Chain**” organized by Noida Institute of Engineering and Technology from 4-8 Jan 2021.
25. 3 Days FDP on “**Recent Trends in Machine Learning**” organized by the Dept. of CSE, Bapatla Engineering College held from 10-12,2020.
26. 5 Days FDP on "Technological Innovation of Artificial Intelligence in Medical Diagnostics" from 06/12/2021 to 10/12/2021 organized by Shri Shankaracharya Technical Campus Bhilai.

27. 5 Days FDP on “**Recent Trends and Advancement in ANN and Deep Learning for Real-Time Applications**” organized by Rungta College of Engineering and Technology, Bilai during 20-24 Dec 2021.
28. 10 Days FDP on “**Machine learning and optimization techniques in Engineering applications and trends**” from 09/05/2022 to 18/05/2022 organized by College of Engineering, Pune.
29. One-week FDP on “**Recent advances in Data Science**” organized by Dept of CSE, Shri Vishnu Engineering College, Bhimavaram.
30. One-week FDP on “**Cloud Computing**” organized by AICTE ATAL FDP (TeckSaksham).
31. One-week FDP on “**Big Data Applications in Electrical Engineering**” organized by Dept of EEE, BIT Durg.
32. 5 Days FDP on “**AI insights: Predictive power of ML, DL & NLP**”, organized by Dept of AI & AL, Sphoorthy Engineering College.
33. Five Days FDP on “**Unlocking Industry Insights in Data Science**” organized by the Department of Computer Science & Engineering (Data Science), Madanapalle Institute of Technology & Science, Madanapalle.
34. One-week FDP on “**Generative AI**”, organized by the Department of Computer Science & Engineering, CMR Engineering College in association with Pantech e-Learning.
35. Three days FDP on “**Outcome based Teaching-Learning process**” organized by Faculty of Management Studies, Dr. M.G.R Educational and Research Institute, Chennai.
36. Six Day FDP on Role of AI in Next Generation Applications at SHRI SOMESHWAR SHIKSHAN PRASARAK MANDALS SHARADCHANDRA PAWAR INSTITUTE OF TECHNOLOGY SOMESHWARNAGAR from 19/01/2026 to 24/01/2026.
37. Six Days FDP on Exploratory Data Analytics (EDA)-Tools and Techniques at VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY from 24/11/2025 to 29/11/2025.

Contact Details

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