



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	Ambili K N	
Academic Designation	Assistant Professor	
Educational Qualification	PhD CSE	
Experience in Teaching & Industry	7 & 10	
Date of Joining	3-06-2026	
Official Email ID	ambili-cysec@dsatm.edu.in	
Employee ID	180928	

Educational Details

PhD (Sep 2023): Department of CSE, NIT Calicut

Master of Technology (Aug 2017): TIFAC CORE in Cyber Security, Amrita University, Ettimadai, Coimbatore, TN

Bachelor of Technology (Aug 2006): Department of Computer Science and Engineering, NIT Calicut

Professional Experience

8.5 years – industry

1 year – research

6 years - Teaching experience

Publications

RESEARCH PUBLICATIONS:

1. Enhancing DoH Traffic Classification Using LLM Embeddings: Evaluation of Traditional, LLM-Based, and Hybrid Models, RM Menon, K Praveen, AR Das, KN Ambili, Congress on Intelligent Systems, 1-12
2. Protecting cloud computing against DDoS attacks, TV Vardhan, PP Amritha, KN Ambili, World Conference on Information Systems for Business Management, 221-231
3. Ambili K N, "Secure Updatable Storage of Data with User Access Control in IoT-based Applications", Springer LNNS (Scopus indexed),(ICTCS2024,Jaipur and Published in LNNS)

4. Ambili KN and Jimmy Jose, "Inapplicability of DFA against CA based Light weight Authenticated Cipher", Journal of Cellular Automata (SCIE indexed), (Published)
5. Ambili KN and Jimmy Jose, "Reinforcing Lightweight Authenticated Encryption Scheme against SIFA", Journal of Cellular Automata (SCIE) (Published)
6. Presented a paper titled "Strengthening ACORN Authenticated Cipher using Cellular Automata" at conference ACRI 2020, held at Lodz, Poland. Published at LNCS Proceedings
7. Presented a paper titled "Prevention of Fault Attacks in ASCON Cipher using Cellular Automata" at conference ACRI 2020, held at Lodz, Poland. Published at LNCS Proceedings
8. "Trust based intrusion detection system to detect insider attacks in IoT systems" at conference ICISA 2019, held at Seoul, South Korea. Published at Information Science and Applications: ICISA 2019 (LNCS Proceedings)









Patents

1. Granted South African Invention Patent for "A method for making authenticated encryptions scheme robust against differential fault attacks"
2. Granted Australian Innovation Patent for "Trust based intrusion detection system for insider attacks in IoT systems"

Conference Attended

1. Presented a paper online titled "Strengthening ACORN Authenticated Cipher using Cellular Automata" at conference ACRI 2020, held at Lodz, Poland. Published at LNCS Proceedings
2. Presented a paper online titled "Prevention of Fault Attacks in ASCON Cipher using Cellular Automata" at conference ACRI 2020, held at Lodz, Poland. Published at LNCS Proceedings
3. Presented a paper titled "

Awards

- 2018  Passed UGC NET with 56 percentile
- 2017  Received second prize for academic excellence for the year 2017, TIFAC CORE in Cyber Security, Amrita Vishwa Vidyapeetham, Ettimadai, Coimbatore.
- 200y  Blue certificate for best performance, SQA, NTT Data, Bengaluru.
- 2008  Blue certificate for best performance, SAPETL Data Migration, NTT Data, Chennai.
- 2002  Best outgoing student award, Kendriya Vidyalaya, Kanjikkode, Palakkad
- 1yyy  Sarojini Laddu award for outstanding student, Kendriya Vidyalaya, Kanjikkode, Palakkad 1yy8 
Fourth position at National Elocution competition, KVS
- 1yy7  Consolation prize, Maths Olympiad

Academic Activity

Jain University - FDP coordinator, club coordinator, TDCPL coordinator, MIS- AQAR coordinator, JIVA criteria 5 (research publications) coordinator

Amrita University – Department Counsellor, meditation trainer, class advisor for batch 2022-26

Faculty Development Activity/Workshops

Online FDP on drought – March 2026

Attended Short term course on Compiler Design in Jan 2021 and bagged prize for class participation and quiz competition

Contact Details

PERSONAL PARTICULARS:

Age: 41 years

Date of Birth: 17th October 1984

Nationality: Indian

Gender: Female

Marital Status: Married

Mobile Number: 8129055842