GMU - Faculty & Staff Profile

Mrs. Niveditha N M

Assistant Professor in IS&E,

Faculty
Faculty of Engineering and Technology

School / Program
School of Computer Science & Technology
B.Tech. in Information Science and Engineering

Faculty Introduction (Five to Six Lines)
Niveditha N.M. is an Assistant Professor in Department of Information Science and Engineering. She is a Salesforce certified marketing cloud email specialist. Her teaching expertise includes subjects such as Cloud Computing, Internet of Things, Database Management Systems, and Computer Networks. Her research work is published in numerous international journals and conferences, focusing on areas like Blockchain, Machine Learning, Cloud Computing, and Big Data.

Qualifications

Ph.D. (Specialisation)
pursuing- under VTU

M. Tech. (Computer Science & Engineering)
Visveswaraya Technological University –Belagavi, Karnataka, 2015

BE (Computer Science & Engineering)
 Visveswaraya Technological University –Belagavi, Karnataka, 2013

Experience

Teaching

- 01 Year at GM University , Davanagere (Sept 2024 to present)
- 05 Years at Adichunchanagiri University- BGSIT, Bellur Corss, Mandya, Karnataka (Feb 2017 to Nov 2022)

Industry

- NA

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Websites:
LinkedIn:
www.linkedin.com/in/niveditha-mahalingappa-3752215b
Google Scholar:
https://scholar.google.com/citations?hl=en&authuser=2&user=LDVlSH4AAAAJ
Research Gate:
https://www.researchgate.net/profile/N-Niveditha?ev=hdr_xprf

Orchid Id: https://orcid.org/0000-0003-0836-4434

SCOPUS Author ID: 57209247575
Vidwaan ID:
https://vidwan.inflibnet.ac.in/profile/645583

Research

- Experience demonstrated through numerous publications in international journals and conferences.

Training Program Attended

- Completed **NPTEL online course** on "**Introduction to Internet of Things**" a 12 weeks course from **June- Nov 2019**.
- Completed **NPTEL online course** on "**Cryptography and Network security**" a 12 weeks course from **Jan- April 2019**.
- Completed **NPTEL online course** on **"Cloud Computing"** a 12 weeks course from **Jan- April 2025**.

Research Interest

- Blockchain Technology
- Cloud Computing
- Machine Learning
- Internet of Things
- Big Data

Awards & Achievements

- **"BEST TEACHER"** for the Academic Year 2018-19 in Department Of ISE , Awarded by Adichunchanagiri University-BGSIT

Publication / Patents

- National Conference Papers:
    - "Analysis of regression Trees for web search ranking", National Conference on Emerging Trends in Computer Science and Engineering (NCETCSE-18), Organized by AIT, Chikkamagaluru on 24th April 2018
    - "Streaming Distributed, Multi branch Decision Tree Algorithm", National conference at Brindhavan College of Engineering, on 4th may 2018.
    - "Design & Implementation of an Algorithm on Hadoop for Data Encryption", 10th National Conference on Advances in Information Technology at SJBIT Bengaluru on 9th May 2018
    - "Applying Data Mining Techniques in Cyber Crimes", 3rd National Conference on Emerging Trends in Computer Science& Engineering (NCETCSE-17) on 19th May 2017.
- International Conference Papers:
    - "Application of AI in diagnosing and drug repurposing in COVID 19", 12th International Conference on Applied Human Factors and Ergonomics (AHFE 2021) and *the Affiliated*

Conferences, *Sheraton Times Square, Manhattan, New York, July 25-29, 2021.*

- "Cuckoo Search Optimization Algorithm and Its Solicitations for Real World Applications" Niranjanamurthy, M., Amulya, M.P., Niveditha, N.M., Chahar, D. *Learning and Analytics in Intelligent Systems*, 2021, 21, pp. 435–445

- "Technological University and its affiliated engineering colleges ET system using Block Chain Technology" in 2nd International Conference on Recent Innovative Trends in Computer Science and Applications (*ICRITCSA*-2019) 25th- 26th October 2019. Organized by: Department of Computer Applications, MSRIT, Bangalore.

- "Creating a custom VPC and launch an EC2 Instance in your VPC" in 2nd International Conference on Recent Innovative Trends in Computer Science and Applications (*ICRITCSA*-2019) 25th- 26th October 2019. Organized By: Department of Computer Applications, MSRIT, Bangalore

- "Hadoop Implementation For Data Encryption using ARIA Algorithm" a Poster Presentation in International conference on Resent Trends in Computational Engineering & Technology in association with IEEE Bangalore Chapter at RRCE, Bangalore on 17th&18th may 2018

- **International Journal Papers:**
    - "Creating a custom virtual private cloud and launch an Elastic Compute Cloud (EC2) instance in your virtual private cloud".M Niranjanamurthy, MP Amulya, NM Niveditha, P Dayananda.Journal of Computational and Theoretical Nanoscience 17 (9-10), 4509-4514
    - "An Interpretation of Lemmatization and Stemming in Natural Language Processing", Journal of University of Shanghai for Science and Technology, ISSN: 1007-6735, Oct-2020. (SCOPUS INDEXED)
    - "Process of Ethereum and Hyperledger Fabric with Blockchain Technology". International Journal of Advanced Science and Technology,Vol. 29 No. 8s (2020): Vol. 29 No. 8s (2020) Special Issue.(SCOPUS INDEXED)
    - "Implementation of IPFS in DistributedDB- MongoDB and DynamoDB." International Journal of Advanced Science and Technology, Vol. 29 No. 5s (2020): Vol 29 No 5s (2020) (Special Issue).(SCOPUS INDEXED)

- *"Machine Learning for Agri Business using GIS", 'International Journal of Recent Technology and Engineering (IJRTE)' at* <u>VOLUME-8 ISSUE-2, JULY 2019</u> *(SCOPUS INDEXED)*
- "Efficient Implementation of Refund Process in Online Shopping Industry Internal Tool-OMS", 'International Journal of Recent Technology and Engineering (IJRTE)' at Volume-7 Issue-6, March 2019. (SCOPUS INDEXED)
- "Construction of Regression Trees by Using SAIRT and GBRT", International Journal of Scientific Progress and Research (IJSPR) ISSN: 2349-4689
- "Design an Interest Based Interactivity Platform for Social Media through Big Data" at the "International Journal of Advanced Engineering Research and Technology" volume 3 Issues 4, april-2015, ISSN No.:2348-8190.

Professional Membership

- Indian Society for Technical Education. (Membership No. LM 131748) (Life Member)
- IAENG International Association for Engineers (Membership No. 237933) (Life Member)

Awards & Recognitions

- Best Teacher
    - **"BEST TEACHER"** for the **Academic Year 2018-19** in Department Of ISE, Awarded by **Adichunchanagiri University-BGSIT**

Administrative Responsibilities

- Department Level
    - Research Centre Coordinator
    - IA Coordinator
    - DQAC Coordinator
    - Project Coordinator
    - Industrial Visit Coordinator
- University Level
    - Alumni Association member

Workshops / FDPs / Seminars Attended

- Faculty Development program:

Course Title	Year	Institution	Duration
Are You IOT Ready?	2020	Jain University	1 day
Blockchain Application Development Using Hyperledger	2019	M S Ramaiah Institute of Technology, Bengaluru	5 Days
Cryptography and Network security	2019	NPTEL	12 Weeks

Course Title	Year	Institution	Duration
Introduction to Internet of Things	2019	NPTEL	12 Weeks
Python & Its Application	2018	BGSIT, B G Nagar	6 Days
Android Developer Fundamentals	2017	Global Academy of Technology, Bengaluru	5 Days
Machine Learning And Its Applications	22-01-2020 to 27-01-2020	Adichunchanagiri University	5 Days
Multidisciplinary Trends in Information Technology	21-07-2020 to 25-07-2020	Adichunchanagiri Institute of Technology, Chikkamagaluru	6 Days
Block chain	23-11-2020 To 27-11-2020	AICTE Training And Learning (ATAL) Academy- BIT, Bengaluru	5 Days
A DevOps Approach: Dockers in Block chain	17-06-2020 To 21-06-2020	AMC Engineering College, Bengaluru	5 Days
Research Challenges in Computer Science & Engineering	01-06-2020 to 05-06-2020	Ramachandra College of Engineering	5 Days

- Workshops:

Course Title	Year	Institution	Duration
Research Paper Writing Skills	2020	Vidyavardhaka College Of Engineering	3 Days
Machine Learning Crash Course	2018	BGSIT, BG Nagar in association with GOOGLE	5 days
Profile Development	2017	BGSIT, B G Nagar	1 Day
Use of E-Resources for Teaching & Research	2017	BGSIT, B G Nagar	2 Days
Storage Area Network	2014	BGSIT, B G Nagar	2 Days
Practitioner Approach on C++	2012	GMIT, Davanagere	1 Day
Information Security & Cyber Forensics	2012	GMIT, Davanagere	2 Days
Android The Future in Mobile Computing	2011	GMIT, Davanagere	1 Day

Workshops / FDPs / Seminars Organized

- Atal Online Faculty Development Programme (FDP) on "Advancing Frontiers in super computers, AI and quantum computing: Trends, application and Integration" Date: 9th – 14th December 2024 Organised

by: Department of Information Science & Engineering, GM University

Projects Guided

- UG Projects
    - NextGen Academic Verification with Blockchain Technology. August 2024- December 2024
    - An efficient implementation of Block-Chain-based Management of Video Surveillance Systems. Sep 2019 - May 2020
    - Design of an E-voting Recording system based on Block-chain technology Sep 2018 - Jun 2019

Funded Projects / Grants Received

- NextGen Academic Verification with Blockchain Technology. August 2024- December 2024, Reference No: 48S_BE_3268 Department of information Science & Engineering,Amount Sanctioned Rs. 4,000/-, AY - 2024–2025

Any Other Contributions