Faculty Profile

Dr. N. Gobalakrishnan M.Tech., Ph.D.,
Professor
Date of Joining: 29.01.2025

HIGHLIGHTS:

- Number of Journal Publications : 21
- H-Index : 12
- Patents Published : 5
- Patents Granted : 2

PROFESSIONAL LINKS:

- Scopus ID : 57193202395
- Scopus Link : https://www.scopus.com/authid/detail.uri?authorId=57193202395
- Google Scholar ID :   fg0BBBAAAAAJ
- Anna University Faculty ID : 273941
- AICTE Faculty ID : 1-1434923741
- Anna University Supervisor ID : 3540040

PROFESSIONAL BACKGROUND:

- Teaching Experience till date : 16 Years
- Industrial Experience : Nil

INTERNATIONAL EXPOSURE:

- Reviewer in various Journal

AREA OF SPECIALIZATION:

- Cloud Computing

- Image Processing

- AI & ML

- Big Data

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
1	Ramachandran R	A Novel Automated Approach to Detect Turner Syndrome Based on Hand X-Ray Images Using Machine Learning Methods	Jan 2023	Full Time

Ph.Ds GUIDING:

- **Full Time Scholars: 1**
- **Part Time Scholars : 5**

PATENTS PUBLISHED/GRANTED:

- Patents Published : 5

- Patents Granted : 2

COURSES CERTIFIED:

- NPTEL - Big Data Computing, Cloud Computing

- Coursera - Introduction to Cloud Identity, Cloud Computing Basics, Getting Started with AWS Machine Learning

- Greatlearning - Front End Development – HTML, Cloud Foundation

- Cogitiveclass - Introduction to Data Science, Hadoop, Big Data, Python for Data Science

ACHIEVEMENTS AND AWARDS:

- Winner-Mentor Award for guiding student project and presented at "Smart India Hackathon 2017" Organized by Ministry of Rural Development, Govt. of India.
- Won the second place in Faculty Research Day 2022.
- Won the second place in Faculty Research Day 2023.
- Won the second place in Faculty Research Day 2024.

SPECIAL SESSIONS DELIVERED:

- Presented a topic on Big Data at MAM Engineering College

- Resource Person in Anna University FDP on Computer Architecture

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

Conferences:

- AP Narmadha and N Gobalakrishnan, "Live Stock Price Detection using ARMA-ARIMA Model with RNN Classifier", 4th International Conference on Sustainable Expert Systems (ICSES), October-24.
- Viancy V, Gobalakrishnan N and Anitha E, "Advancements in Food and Meat Freshness Monitoring: Integrating Machine Learning and Advanced Technologies", International Conference on Inventive Computation Technologies (ICICT), April-2024.

- Balaji K and Gobalakrishnan N, "An New Approach To Estimate Threat Factor In Recognizing Keratoconus Using Machine Learning", 4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024), March-2024.
- Kamesh M, Gobalakrishnan N, Harivignesh S, Akhil K N and Sanjay P M, "Efficient Data Transmission for Community Detection Algorithm Based on Node Similarity in Opportunistic Social Networks", 4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024), March-2024.
- Ramachandran R, Gobalakrishnan N, Arun C, "Automated approach to detect and monitor the development of Turner's syndrome", Proc. of IEEE 2nd International Conference on Advances in Electrical Computing, Communcations and sustainable Technologies(ICAECT-2022), April-2022.
- Ramachandran R, Gobalakrishnan N, Arun C, "A survey on various medical image classification and feature recognition techniques", Proc. of IEEE 6th International Conference on Trends in Electronics and Informatics (ICOEI 2022), April 2022.
- Reenie Tanya and N. Gobalakrishnan, "A Survey on QoS based Task Scheduling Algorithms in a Cloud Environment", 1st International Conference on Electrical, Computing and Information Technology (ICECIT) on Feb 2016.
- Gobalakrishnan N and Arun C, "SIS: A scheme for dynamic independent task scheduling in a cloud environment", IEEE International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), pp. 272-277, Dec 2016.
- Martina Valogia.S and Gobalakrishnan Natesan, "Medical Informatics for detecting the risk of a patient getting a heart attack: A Literature Survey", 7th IEEE International Conference on Informatics Computing in Engineering Systems (ICICES) on March 2018.
- Gobalakrishnan Natesan, K. Pradeep and L. Javid Ali, "Scheduling of Task in Cloud Environment Using Optimization Algorithms: Survey", 3rd IEEE International Conference on Intelligent Computing and Control Systems (ICICCS) on May 2019.
- T. Monisha, M. Mekala, K. Pradeep, N. Gobalakrishnan and L. Javid Ali, "A Study on QoS Based Task Scheduling Using Meta Heuristic Algorithms in Cloud Environment", 3rd IEEE International Conference on Intelligent Computing and Control Systems (ICICCS) on May 2019.
- Gobalakrishnan N, Pradeep K, Raman C J, Ali L J and Gopinath M P, 2020, A Systematic Review on Image Processing and Machine Learning Techniques for Detecting Plant Diseases. In 2020 International Conference on Communication and Signal Processing (ICCSP) (pp. 0465-0468). IEEE.
- Raman C J, Ali L J, Gobalakrishnan N and Pradeep K, 2020, An Overview of the Routing Techniques Employed in Wireless Sensor Network. In 2020 International Conference on Communication and Signal Processing (ICCSP) (pp. 332-336). IEEE.XXXXX

Seminars/Workshop/FDP

- Online FDTP on Web Application Security at Jeppiaar Institute of Technology, Chennai.
- FDP on Advances in Internet of Things at Fr. Conceicao Rodrigues College of Engineering, Bandra.
- Online FDP on Computer Vision using Convolutional Neural Networks at Anurag University in association with ISTE.
- Online FDP on Cyber Security at Anurag University
- One Week Online FDP on Future Education and Research at Syed Ammal Engineering College in association with, CSI Chapter, Ramanathapuram
- Online FDP on Machine Learning Essential for Every Researcher at Kongu Engineering College, Erode
- Online International FDP on Internet of Things at Easwari Engineering College, Chennai.
- Online FDP on Blue Chips of the Current Industry – ML and Big Data at Sathyabama Institute of Science and Technology, Chennai.
- Online FDP on Spoken Tutorial Project for R Programming, IIT Bombay, Shri Krishnaswamy College for Women, Chennai.
- Online Webinar cum Workshop on Data Science using Python at Amrita College of Engineering and Technology, Nagercoil and Hebeon Technologies, Hyderabad.
- Online Webinar on The Value of Values at Vedanta College, Maharashtra

- Online Webinar on Research Paper to Patent Filing – A Road Map at Vels Institute of Science, Technology and Advanced Studies, Chennai.
- Fourteen Days FDP on Big Data Analytics in Bioinformatics by MNM Jain Engineering College on Nov 2019.
- Two Days FDP on Introduction to Big Data Analytics by St. Joseph's College of Engineering, Chennai from 14.12.17 to 15.12.2017.
- One Day workshop on FOSS by MAM College of Engineering & Technology, Trichy on May 2017.
- Three Days FDP on Grid and Cloud Computing by St. Joseph's Institute of Technology, Chennai on Jan 2016.
- Three Days workshop on Cloud Computing Technology and Tools by MIT, Chennai on Sep 2015.
- One Day Training on Cloud Computing (EUCALYPTUS) by Jeppiaar Engineering College, Chennai on 30/03/2015.
- One Day workshop on Cloud Computing by St. Joseph's College of Engineering, Chennai on 04/09/2014.
- Two Days workshop on Big Data in Cloud by Jeppiaar Engineering College, Chennai from 11/08/2014 to 12/08/2014.
- Six Days FDP on Computer Architecture by Anna University, Chennai on June 2014.

PROFESSIONAL MEMBERSHIPS:

- ISTE