

FACULTY PROFILE

Mr. VINAYKUMAR V N

✉: vinays.kumar08@gmail.com

Orcid -ID: 0000-0001-5925-5938



Objective:

Be affiliated with a prestigious institution in improving the standards of profession and empowering them with necessary skills, qualities, knowledge, attitude, and value of time.

Technical Strength

- Proficient in working with Linux and Windows platforms.
- Proficient in C Programming Languages.
- Familiar with concepts of computer networks.
- Familiar with Data structures

Research Areas of Interest

- Artificial Intelligence
- Cloud Computing
- Image Processing

Academic Qualification

- **Ph. D.** (Computer Science & Engineering): Malnad College of Engineering, Visvesvaraya Technological University: *Comprehensive Viva stage.*
- **M. Tech:** (Computer Science & Engineering): Siddaganga Institute of Technology, Tumkur.
- **B.E:** Computer Science & Engineering, Kalpataru Institute of technology, Tiptur.

Work Experience (Teaching) (13.9 years)

Sl. No.	Name of the Institute	Designation	No. of Years
1.	Kalpataru Institute of Technology, Tiptur	Assistant Professor	Aug- 2014 to Till date
2.	Kalpataru Institute of Technology, Tiptur	Lecturer	4

Research Experience

- **Malnad college of Engineering, Hassan-** Working as a *Part-Time Research Scholar* in the research center Dept. of ISE, Malnad college of Engineering, Hassan, in the research area Image Processing from January-2020 to till now. Published research papers on various refereed journals.

Publications

1. V. N. Vinaykumar, J. Ananda Babu and Jaroslav Frnda, “Optimal guidance whale optimization algorithm and hybrid deep learning networks for land use land cover classification,” EURASIP Journal on Advances in Signal Processing, 2023

(SCI indexed Q2)

DOI: <https://doi.org/10.1186/s13634-023-00980-w>

Paper presentation in Conferences

1. Vinaykumar V N, Ananda Babu J, “An Inception Architecture with Transfer Learning for Apple Plant Leaf Disease Detection”, in IEEE International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIIE-2023).
(Scopus Indexed). DOI: [10.1109/AIKIIE60097.2023.10390058](https://doi.org/10.1109/AIKIIE60097.2023.10390058)
2. Vinaykumar V N, et. al., “An Efficient Deep Learning Approach to deal with Cyberbullying”, in International Conference on Computational Modelling, Simulation and Optimization (ICCMO-2023) **DOI: [10.1109/ICCMO59960.2023.00055](https://doi.org/10.1109/ICCMO59960.2023.00055)**
(Scopus Indexed).
3. Vinaykumar V N and Ananda Babu J, “Satellite Image Classification based on Adaptive Skip Connection- Convolutional Neural Network”, in IEEE International Conference on Data Science and Information System (ICDSIS-2022)
(Scopus Indexed). DOI: [10.1109/ICDSIS55133.2022.9915974](https://doi.org/10.1109/ICDSIS55133.2022.9915974)
4. Vinaykumar V N, “Secure Communication for Bluetooth Enabled Devices.”, in NCICC – 2017 at SIET, Tumkur.
5. Vinaykumar V N, “Confirm Data Security on Symmetric and Asymmetric Key Encryption”, in NCMTCS – 2017 at MCE, Hassan.
6. Vinaykumar V N, “Securing Smart Grid Wireless Communication Networks”, in Technika – 2014 at AIT, Tumkur.
7. Vinaykumar V N, “Ensuring Distributed Accountability for Data Sharing”, in Technika – 2013 at AIT, Tumkur.
8. Vinaykumar V N, “Design of an Anonymous and Peer-to-Peer E-cash System.”, NCETCS-2010 at Atria Institute of Technology, Bengaluru.

Invited Talks

- Delivered a talk on “Design and Analysis of Algorithms” held during 16th to 17th Nov. 2023 to the Students at ST. Joseph’s First Grade College, Hunsur.

University works

- Worked as External DCS VTU at SBIT, Tiptur

Contribution to the Department

- Working as a NAAC coordinator since from 2023.
- Working as a NBA coordinator since from 2010 to till date, department applied for NBA in the year 2015, 2022 and department going to apply for NBA in coming year.
- Working as Admission Coordinator.
- Working as Sports Coordinator.
- Working as Alumni Coordinator.
- Worked as Placement Coordinator.
- Prepared the Manuals of Data Structures, System Software, Design & Analysis of Algorithms Labs.

University Examination Theory Question Paper Setting

Sl. No.	University	Subject	Year
1	SIT, Tumkur	Cryptography and Network Security	2023
2	SIT, Tumkur	Cryptography and Network Security	2022
3	SSIT, Tumkur	Data Structures and its Applications	2021
4	SIT, Tumkur	Analysis and Design of Algorithms	2021
5	SIT, Tumkur	Analysis and Design of Algorithms	2020
6	MCE, Hassan	Wireless Networks & Mobile Computing	2019
7	NMIT, Bangalore	Introduction to Cyber Security	2019
8	SSIT, Tumkur	System Software	2016

Workshops/FDP/Attended

Sl. No.	Name of the FDP/ Workshop attended	Organization	Date	Sponsor
1	Artificial Intelligence and its Applications in Communication, Signal Processing, Image Processing and Computing Applications.	CMRIT, Bangalore	(6-10 th November 2023)	CMRIT, Bangalore
2	Artificial Intelligence and Machine Learning for Image Analysis – Matlab and Python perspectives.	CMRIT, Bangalore	(8-13 th May 2023) 5 Days	CMRIT, Bangalore
3	Cyber security and Forensics	KIT, Tiptur	(2-6 th May 2023) 5 Days	KIT, Tiptur
4	Machine Learning & Data Analytics using MATLAB	KIT, Tiptur	(24-29 th April 2023) 5 Days	KIT, Tiptur
5	Deep Learning & its Applications	KIT, Tiptur	(6-10 th March 2023) 5 days	KIT, Tiptur
6	Augmented Reality and Virtual Reality in Pioneering Application Domains	NMIT, Bangalore	(24-28 th August 2021) 5 days	AICTE ATAL
7	FDP on Mobile Application Development	SJCIT, Chikkaballapura	(18-20 th March 2021) 3 Days	SJCIT
8	Outcome Based Education and NBA Accreditation	Dr. AIT, Bangalore	(22-27 th Feb 2021) 5 Days	AICTE Margadarshan
9	FDP on Block Chain	MCE, Hassan	(3-7 Nov 2020) 5 Days	AICTE ATAL
10	Outcome-Based Education and NBA Accreditation	MVJ college of Engineering, Bangalore	(20 th -24 th January 2020) 5 Days	VTU sponsored under TEQIP 1.3
11	Learning Effective Document Writing Using Latex	KIT, Tiptur	(April 15 th , 2019) 1 Day	KIT
12	Process of NBA Accreditation	SIET, Tumkur	(15 th & 16 th Feb. 2019) 2 Days	SIET, Tumkur

13	Extension lecture programme in Mathematics	KIT, Tiptur	(Feb. 15-16, 2018) 2 Days	CCE-IISC Bangalore.
14	2-weeks FDP on Advances in Image Processing and Computer Vision Applications using Python and OpenCV	KIT, Tiptur	(11 th to 23 rd Dec. 2017) 12 Days	AICTE
15	Faculty Development Programme on “Network Simulator - 2	VVCE, Mysuru	(17 th -19 th August, 2017) 3 Days	VVCE, Mysuru
16	National Level workshop on Bloom’s Taxonomy: A Taxonomy for Accreditation	MSRIT, Bangalore	(28 th July, 2017) 1 Day	MSRIT, Bangalore
17	Soft Computing Techniques to Pattern Recognition	Department of Studies in Computer Science, University of Mysore, Mysuru	(3 rd – 5 th Nov. 2016) 3 Days	University of Mysore, Mysuru
18	Plagiarism	KIT, Tiptur	(19 th Nov. 2015) 1 Day	KIT, Tiptur
19	Advance Storage Area Network – Industry Perspective	AIT, Tumkur	(9 th – 10 th Oct. 2014) 2 Days	AIT, Tumkur
20	Advanced Algorithms and Data Structures – Industry Perspective	SIT, Tumkur	(19 th – 20 th Sep. 2014) 2 Days	TEQIP- II
21	Simulation and TestBed Environment for research challenges in Wired and Wireless Networks	MSRIT, Bangalore	(28 th July – 02 nd Aug. 2014) 5 Days	TEQIP- II
22	Machine Learning for Computer Vision	SIT, Tumkur	(8 th – 9 th Nov. 2013) 2 Days	TEQIP
23	Outcome Based Education – The Science of being a Teacher	BMSCE, Bangalore	(10 th – 15 th June 2013) 6 Days	TEQIP- II
24	FEEL Teacher” Learning and Development Intervention	KIT, Tiptur	(28 th – 30 th Jan. 2013) 3 Days	KIT, Tiptur
25	Research Trends in Wireless Network System	SIET, Tumkur	(9 th May 2012) 1 Day	SIET, Tumkur
26	Service Oriented Architecture- An Overview	SSIT, Tumkur	(27 th Nov. 2010) 1 Day	SSIT, Tumkur

Certification Courses

1. NPTEL course on **Introduction to Machine Learning** by IITKGP

Subjects Handled:

- Design and Analysis of Algorithms
- Computer Networks and Security
- Cryptography
- System Software
- Object Oriented Modeling & Design
- Data Mining
- Wireless Networks & Mobile computing
- Cryptography, Network security & Cyber Law
- Cloud Computing & its applications
- Design and Analysis of Algorithms Lab
- Object Oriented Programming Lab
- System Software & OS Lab
- Computer Networks Lab
- Web Programming Lab
- Mobile Application Development Lab

Personal Details

Name : Vinaykumar V N
Father Name : B R Nagaraju
Mother Name : K M Jayamma
Marital Status : Married
Spouse name : Sowmya P N
Occupation : Government High School Teacher
Date of Birth : 05 May 1986
Nationality : Indian
Interests : Swimming, Travelling, Trekking.
Children : 2 (1 Boy & 1 Girl)
Permanent Address : Sri Ranganatha Nilaya, Opp. Pump house, Kundur cross,
Belagumba Road, Tumkur - 572104

I hereby declare, that the above furnished information and details are true to the best of my knowledge.

Date:

Place:

Signature of the applicant
(Mr. Vinaykumar V N)