



GM University

Davanagere, Karnataka, India



Dr. Prakash Kuppuswamy

Professor,

Department of Cyber security and Information Technology
GM University, Davanagere, Karnataka

Contact Details

Mobile No.	+91 6385359970
Email ID	Kprakash.cyiy@gmu.ac.in prakashcnet@gmail.com
Google Scholar ID	https://scholar.google.com/citations?user=JFQ07FIAAAJ&hl=en
Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=56736633200
Orcid ID	https://orcid.org/0000-0001-9804-8835
Linkedin ID	https://www.linkedin.com/in/prakash-kuppuswamy-82b2a812b/details/experience/
ieee	https://www.ieee.org/profile/personalprofile/getPersonalProfile.html

Education Details

M.C.A, M.Phil, PhD.,

Research Area

Data and Network Security, Cryptography, Artificial Intelligence, AI & ML

Professional Experience

26 years total (17 years' abroad service-Saudi, Ethiopia, Libya, Maldives)

Publication Details

- 1) Optimizing a Deep Learning Model to Develop a Threshold based Framework for Threat Detection Ms. Vijaya Ramineni, Dr Saeed QY Al Khalidi, Dr Prakash Kuppuswamy, Ms. Mounika Samudrapu, Lavanya Sudula, Ramamohan Rao Gudaru, Proceedings of the International Conference on Modern Sustainable Systems (CMSS-2025), August 12-14, 2025, ISBN: 979-8-3315-6509-1

- 2) Covid-19 Endogenous Mutation of Nb 1.8.1, Lf.7 And Kp.3: Applying A Multivariate Time-Series Model To Forecast Key Healthcare Indicators Through 2027, Dr Prakash Kuppuswamy, Ms. Vijaya Ramineni, Ms. Anuradha, Vijaya varshini KP, International Journal of Environmental Sciences, Vol. 11 No. 18s (2025), <https://doi.org/10.64252/8e18hd85> (SCOPUS)
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- 5) An Analysis of the factors that influence the participation of coffee bean farmers in online business: A case study of the mountains of Saudi Arabia, Dr Saeed Q. Al-Maliki, Dr Prakash Kuppuswamy, Dr Mohan M, Ahmed Ali Shaik Meeran, Dr Saroj K Gupta, Dr Indu Sharma, Vol.20, S14 (2024), <https://doi.org/10.62441/nano-ntp.v20iS14.220>, <https://nano-ntp.com/index.php/nano/article/view/3282>
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- 8) A Novel Hybrid Load Balancing Technique for optimizing Data centre Network Performance, Niyasudeen, Mohan Mani, Prakash Kuppuswamy, SK Gupta, Dr Saeed QY Al Khalidi. International Conference on Recent Advancements in Communication, Computing and Artificial Intelligence RACCAI-2024, Chandigarh College of Engineering Jhanjeri, Mohali, Punjab. 7th- 8th November 2024.
- 9) The Review of IoT in Diabetic Health Management: A Pathway to sustainable Lifestyle improvements, Dr Saroj K Gupta, Dr Prakash Kuppuswamy, Dr Mohan, Ahmed Ali shaik meeran, Aman, 3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024), KSR College of Engineering, Tamil Nadu. 22 & 23 October 2024, <https://dx.doi.org/10.2139/ssrn.5089137>
- 10) Incorporating RSA with a New Symmetric-Key Encryption Algorithm to Produce a Hybrid Encryption System, IJCSNS International Journal of Computer Science and Network Security, VOL.24 Dr Prakash Kuppuswamy, Dr Saeed QY Al Khalidi, Dr Nithya Rekha Sivakumar, <https://doi.org/10.22937/IJCSNS.2024.24.1.22>,<https://koreascience.kr/article/JAKO202408181674774.pdf>
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- 13) A study of the challenges and opportunities in the development of drugs and vaccines using artificial intelligence techniques and tools against Covid-19, Dr Prakash Kuppuswamy, Dr

Mohan Mani, Dr Sayeed QY Alkhalidi, Vijaya Varshini,(Poster Presentation) 3rd Internal conference on Antimicrobial Resistance, Novel Drug Discovery and Vaccine Development: Challenges and Opportunities, March 18-21, 2024, New Delhi.

- 14) A novel symmetric key based authentication scheme that saves energy for edge devices of the Internet of Things ,Prakash Kuppuswamy, Sayeed Q. Al-Khalidi Al-Maliki, Rajan John, Mohan Mani, The Fifth International Conference on Computing Science, Communication and Security (COMS2)-2024 will be held at Ganpat University, Gujarat, India on 6th and 7th February 2024. https://link.springer.com/chapter/10.1007/978-3-031-75170-7_23
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Patents

Graph Theory and Machine learning in adaptive traffic light control for smart cities. Registered Date: 27/08/2024

Detecting & Classifying Fraudulent SMS & E-mail with a Robust Machine Learning (ML) Approach: Registered Date: 28/11/2024- Ref.No.202441093335

AI Cybersecurity Monitoring Console, UK Design patter application No.6455670 Dated 07-07-2025.

Professional body membership

IEEE member- Member/Customer Number: 93669882

Roles and Responsibility

Professor of B.Tech Cyber security and Information security- Responsibilities Curriculum designing and update according to the industrial requirement. Department Research coordinator and Students **Project Coordinator**. Evaluates final year project abstract, approves the students' work, monitors, periodically reviews their project and provides necessary guidelines.

Faculty Development Activities

Convener of 5 days workshop on "Android App Development and Blockchain Technology, Mr. Gurmeet Singh, Lead Instructor, Code Lucky-Date 18 Nov to 22 Nov 2024, Auditorium, SRM University, Delhi NCR

Participated FDP program on "TENSORFLOW" Conducted by Department of CSE in Association with IBM, 3-5th July 2024, SRM University, Delhi-NCR

Convenor of FDP program of "**AUTOMATION AND CLOUD COMPUTING**"-XEBIA, from 29TH January to 2nd February, SRM University-Delhi NCR.

Workshops organized

Organized a expert talk on "**Machine Learning and AI Applications**" by expert speaker Dr. Karan Verma (NIT, Delhi) on 25-02-2025 at SRM University Auditorium.

Organized Seminar "Artificial Intelligence and Optimization Problems" by Professor Milan Tuba from Serbia at SRM University, Delhi NCR, **Date: 09th December 2024.**

Organizer and Speaker of 3-Day National Level Workshop on Cyber Security, Dr Prakash K and Dr Raman puneet singh (Industrial Expert-CEH Professional), **Date: 24 to 26 October 2024**, Conference Hall, SRM University, Delhi NCR.

Convener of Advanced Linux Programming" workshop, held on September9, 2024, was an intensive training session conducted by KV IT Private Limited, New Delhi

Workshop attended

Seminar/Webinars (conducted/attended)

Speaker: UGC consortium topic Career in Computer Science, CEC, IUAC Campus, New Delhi, <https://www.youtube.com/watch?v=EFAY41wq9X0> and <https://www.youtube.com/watch?v=yibQdsWA0HQ>, www.webcast.gov.in

Awareness Program: **Cyber security in the Digital Age: Protecting our Digital Assets**, CRPF Group Centre, Khewara-Sonepat, Haryana, April-29, 2024.

Expert talk "The need of cyber security on global perspective" by Dr Prakash Kuppuswamy organized by School of Engineering Technology, CT University, Punjab on **21-04-25**

Project Exhibition

Certification Course

Professional training given by the Nanda Tech Skill Academy the following training contents were executed during the training period, Scanning Networks, System Hacking, Malware

Achievements

2 Text book

1) **Understand the basics of Cyber Security**- New Delhi Publisher, New Delhi- ISBN:978-93-49897-41-0

<https://ndpublisher.in/ndpbookpage.php?book=484>

https://www.amazon.in/dp/B0D2R8HMZ6?ref=myi_title_dp

2) **Quantum Computing- Beginner's Guide**-New Delhi Publisher, New Delhi- ISBN:978-93-49897-41-0