

Mr. Gururaja H S

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Education

- Registered for part-time Ph.D. in Computer Science and Engineering under Jawaharlal Nehru Technological University (JNTU), Hyderabad.
- M.Tech. in Computer Network Engineering under Visvesvaraya Technological University (VTU) at Dayananda Sagar College of Engineering, Bangalore.
- B.E., in Computer Science and Engineering under Visvesvaraya Technological University (VTU) at Sri Siddhartha Institute of Technology, Tumkur.

Professional Experience (15+ years)

- Assistant Professor, Department of Information Science and Engineering, B.M.S. College of Engineering, Bangalore – 560 019 (2011 – Till Date)
- Senior Lecturer, Department of Computer Science and Engineering, Auden Technology and Management Academy, Bangalore Rural – 562 112 (2008 – 2011)
- Lecturer, Department of Computer Science and Engineering, APS College of Engineering, Bangalore – 560 082 (2007 – 2008)
- Project Assistant, Department of Current Science, Indian Academy of Sciences (IAS), Bangalore – 560 080 (2004 - 2005)

Certifications

- **VMware Certified Professional 5** Data Center Virtualization.
- **UiPath Advanced Training** Robotic Process Automation Design and Development.
- **Diploma of Completion** Introduction to the RPA Developer Role from UiPath.
- **Diploma of Completion** AI Computer Vision from UiPath.
- **VMware Certified Associate** Data Center Virtualization.
- **VMware Certified Associate** Workforce Mobility.
- **VMware Certified Associate** Cloud.
- **IBM Mainframe Certification.**

Awards/Honors

- **Best Teacher Award** – Recipient of periodic performance award during the year 2008-09 at Auden Technology and Management Academy for outstanding performance for the period with commendable results, feedback from students and assessment by academic authorities of the institute.
- **M.Tech Batch Topper** for all the 4 semesters at DSCE, Bangalore.

Skills Summary

- Certified as a top performer for “Mentoring Educators in Educational Technology” by IIT-Bombay.
- Business Associate to Wipro Technologies to train the employees under WASE, SIMS and WIMS schemes since Dec 2008.
- Business Associate to Manipal University to train the corporate employees under M.S. for Computer Science Programme since Nov 2007.
- Successfully handled a course on Computer Networks for IBM employees under VTU Quality Improvement Program (QIP).
- Blended MOOCs Coordinator for Computer Programming in association with IIT, Bombay, Odd Sem 2015-16.
- Worked as a NBA Coordinator and NAAC Coordinator for the Dept. of ISE at B.M.S. College of Engineering, Bangalore.
- Instrumental in setting up an MOU with Altair Engineering in the focus area of Informatics and Computing.
- Instrumental in setting up an MOU with UiPath in the focus area of Robotic Process Automation Design and Development.
- Evaluator, Examiner and Squad for VTU theory and practical examinations since 2007.
- Paper Setter, Evaluator and Examiner for VTU run autonomous institutions like RVCE, MSRIT, PESIT and SIT.
- Good Communication Skills which is a plus-point towards teaching.

Capstone Projects for BMSCE

- Implementation and Deployment of Automation of Annual Performance Report for the Office of Establishment, Jul-Nov 2019.
- Implementation and Deployment of Student Database Management System Web Application for the First Year Dean’s Office, Sep 2017-Jan 2018.
- Implementation and Deployment of Online Seating Arrangement with A-form, Indent and B-form generation examination software for the Office of Controller of Examination, Feb-May 2017.
- Implementation and Deployment of Semester End Examination Result Analysis Portal for the Office of Controller of Examination, Feb-Apr 2017.

Subject Expertise

- **Theory** – Cryptography and Network Security, Computer Networks, Network Programming, Network Management Systems, Artificial Intelligence, Machine Learning, Digital Electronics, Microprocessors, Analysis and Design of Algorithms, Database Management Systems, Computer Programming
- **Practical** – Artificial Intelligence lab, Machine Learning lab, Electronic Circuits and Logic Design lab, Microprocessors lab, Algorithms lab, Networks lab, Computer Programming lab, Database Management Systems lab

Technical Publications

- Detection of Traffic Violations using Moving Object and Speed Detection, Wutan Huatan Jisuan Jishu, Volume XVI, June 2020, ISSN: 1001-1749, Page No 61-72
- Smart Video Surveillance System, Wutan Huatan Jisuan Jishu, Volume XVI, Issue VI, June 2020, ISSN: 1001-1749, Page No 186-194
- Suitability of Single Image Super-Resolution Models for Video Super-Resolution, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249-8958, Volume-9, Issue-5, June 2020, Page No 368-371
- Automatic Number Plate Extraction, Journal of Emerging Technologies and Innovative Research (JETIR), Vol 4, Issue 4, ISSN 2349-5162, Apr 2017
- Blended MOOCs: Impacting The Future of Higher Education, Journal of Engineering Education Transformations (JEET), Volume 29, No.3, January 2016, ISSN 2349-2473, eISSN 2394-1707
- Covertness Analysis of Subliminal Channels in Legitimate Communication – Proceedings published by Springer in the Lecture Notes in Computer Science (LNCS) Volume No. 7135, pp. 583-592, 2012 and Presented at International Conference on Advanced Computing, Networking and Security (ADCONS) 2011, NITK Surathkal, India, December 16-18, 2011.
- A Practical Password-Based Authentication using Elliptic Curve Cryptography – Proceedings of the International Conference on Convergence of Science & Engineering (ICSE) 2010, DSI Campus, Bangalore, India, April 21-23, 2010.
- Design and Performance Analysis of Secure Elliptic Curve Cryptosystem – International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), Volume 2, Issue 8, ISSN (Print): 2319-5940, ISSN (Online): 2278-1021, Impact Factor 1.770.
- Design and Performance Analysis of Secure Elliptic Curve Cryptosystem – International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), Volume 2, Issue 8, Journal Publication: 30th August 2013, ISSN (Print): 2319-5940, ISSN (Online): 2278-1021, Impact Factor 1.770.
- Comparative Study and Performance Analysis of Encryption in RSA, ECC and Goldwasser-Micali Cryptosystems–Int. Journal of Application or Innovation in Engineering and Management (IJAIEEM), Volume 3, Issue 1, ISSN: 2319-4847, Impact Factor 2.379.

Extension/Guest Lectures Delivered

- FDP on Cyber Security, 2nd Jan to 12th Jan, 2021 jointly organized by E&ICT Academy at NIT, Warangal and ITI, Bengaluru.
- FDP on Emerging Cyber Security Trends – A Hands-On Approach, 20th – 24th July 2020, Dayananda Sagar University, Bengaluru.
- Talk on “AI for Cybersecurity” as part of the online open course on Cognitive Security, 16th June 2020, BMSITM, Bengaluru.
- Talk on “Network Intrusion Detection System-Research Avenues and Perspectives”, 10th June 2020, Dept. of CSE, DSATM, Bengaluru.
- Resource person for a 2-day workshop on Robotic Process Automation, 18th Nov. 2019, Dept. of CSE, SJBIT, Bengaluru.
- Teachers Orientation Program on “Joy of Teaching”, 22nd May 2019, Akshara Siri Vidya Mandir, Bengaluru.
- Expert Speaker for open course on “Cybersecurity Basics and Blockchain”, 22nd – 26th Oct. 2019, BMSITM, Bengaluru.
- Expert Speaker for “IEEE Workshop on Cybersecurity”, 29th Apr. 2019, BMSITM, Bengaluru.

Research Interests

Cryptography & Network Security, Informatics & Computing

Personal Details

Date of Birth: 14-03-1983
Father: Sri H. K. Satyanarayana
Marital Status: Married
Nationality: Indian
Lang. Spoken: English, Kannada, Hindi, Telugu
Activities: Attending Seminars, Tech-Talks

I hereby affirm that the information provided above is true and correct to the best of my knowledge.

Thanks & Regards,
Gururaja H S