Faculty Name	Dr. Veena R. S.	
Designation	Associate Professor	
Educational Qualification	B.E, M.Tech, Ph.D	
Experience in Years	23	
Area of Interest	Cloud Computing, Big Data Analytics, Machine Learning	
Email ID	veena-ise@dsatm.edu.in	

Educational Details

- **202**1**: Ph.D** in Computer Science and Engineering from Visvesvaraya Technological University, Belagavi. **Area of Research**: Cloud Computing

- **2007: M.Tech (First Class with Distinction)** in Computer Science & Engineering from Visvesvaraya Technological University, Belagavi.

- **1997: B.E (First Class)** in Computer Technology from Nagpur University, Maharashtra

Books & Book Chapter Authored

Book:

1. *"Software Engineering approach towards Students Data Mining",* ISBN – 978-1-387-39990-1, Version – 1 | ID yq6ej4, 7/10/2021, Lulu Publishing, United States, October 2021.

Book Chapter:

1. Ch. 2: **"A Cost-effective 2-tier Security Paradigm to Safeguard Cloud Data with Faster Authentication: A Recent Study"**, eBook ISBN: 978-93-5547-239-7, Novel Perspectives of Engineering Research Vol. 9, BP International, March-2022, DOI: 10.9734/bpi/nper/v9/2588C

Patents Filed and Granted

GRANTED:

1. "Automated Location Identification System using Text and Image Data", Filed on 12/1/2021 and granted on 31/3/2021, IP Australia

2. "Pregnancy Health State Management method and device using Artificial Intelligence and methods thereof", Filed on 25/8/2021 and granted on 8/12/2021, IP Australia

FILED:

1. "Novel Approach for Class Recording & Blackboard Cleaning System and Methods thereof", bearing application number 202041041304, Filed on 23/9/2020 and published on 9/10/2020, IP India.

2. "Occupational Stress Model and Coping Strategies thereof", bearing application number 202041041755, Filed on 25/9/2020 and published on 9/10/2020, IP India

3. "Shabdkosh Device for Women Safety in Public", bearing application number 202041044161, Filed on 9/10/2020 and published on 16/10/2020, IP India

4. "Customized Placement Training Assistance for Students using Artificial Intelligence" bearing application number 202041042414, Filed on 29/9/2020 and published on 9/10/2020. IP India

Personal Details

- **Date of Birth: 18**/09/1975
- **Hobbies:** Dance, Travelling, Singing
- **Languages Known:** English, Kannada, Telugu, Hindi, Marathi

Professional Experience

- Working as Associate Professor in ISE at Dayananda Sagar Academy of Technology & Management (**DSATM**) from 15/02/2023-Till date

- November 2022 – January 2023: Associate Professor, Department of Computer Science and Engineering, JAIN (Deemed-to-be University), Bengaluru

- October 2021 – October 2022: Assistant Professor, Department of Computer Science and Engineering, RV Institute of Technology and Management, Bengaluru

- April 2019 - August 2020: Associate Professor and Head, Department of Computer Science & Engineering, K. S. School of Engineering and Management, Bengaluru

- August 2017 - April 2019: Assistant Professor, Department of Computer Science & Engineering, R. V. College of Engineering, Bengaluru

- July 2010 - July 2017: Associate Professor, Department of Computer Science & Engineering, K.S. School of Engineering and Management, Bengaluru

- November 2004 - June 2010: Senior Lecturer, Department of Computer Science & Engineering, K. S. Institute of Technology, Bengaluru

- December 2002 - September 2004: Lecturer, Department of Computer Science & Engineering, M. I.T Women College of Engineering, Pune

- August 2001 - April 2002: Lecturer, Department of Computer Science & Engineering, Priyadarshini College of Engineering and Architecture, Nagpur

- November 1997 - July 2001: Sr. Faculty, Atlanta Computer Institute, Nagpur

- 1999 – 2000: Visiting Lecturer M.C.M., Lokmanya Tilak Institute of Management Studies & Research, Nagpur

Publications

Journal Publications

1. "Circle fitting of boundaries of microarray spots", International Journal of Health Sciences, ISSN 2550-6978 E-ISSN 2550-696X©2022, https://doi.org/10.53730/ijhs.v6nS1.6023, Indexed by Scopus.

2. "Rice leaves disease classification using deep convolutional neural network", International Journal of Health Sciences, ISSN 2550-6978 E-ISSN 2550-696X©2022, https://doi.org/10.53730/ijhs.v6nS4.6067, Indexed by Scopus.

3. "An Overview on Development of Policies and Barriers for Wind Energy Generation: Indian Scenario", International Journal of Health Sciences, ISSN 2550-6978 E-ISSN 2550-696X©2022, https://doi.org/10.53730/ijhs.v6nS4.6129, Indexed by Scopus.

4. "Improved Performance for Secured Authentication in User Devices and Cloud Environment", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-5, January 2020.

5. "A Cost-Effective 2-tier Security Paradigm to Safeguard Cloud Data with Faster Authentication", International Journal of Electrical and Computer Engineering (IJECE), Vol. 9, No. 5, October 2019, pp. 3833~3842, ISSN: 2088-8708, DOI: 10.11591/ijece.v9i5.pp3833- 3842. (Q2 Journal)

6. "IFCS: Integrated Framework for Cloud Security for Enhanced Data and VM security", International Journal of Computing and Applications, Volume 16, Number 1, (January-June 2018), pp 63-73 © Serials Publications, New Delhi (India), ISSN: 0973-5704

7. "SRAAM: Secure Resource Access Authentication Mechanism using user-device credential Hybridization in Cloud environment", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol.10 No. 86 (2015) @ Research India Publications, http:/www.ripublication.com/ijaer.htm

8. "An Investigation towards paradigm shift of Cloud computing approach and need of new security protocol", International Journal of Computer Application (0975-8887), Volume 130, No. 9, November 2015.

9. "Blockchain based secure data sharing with machine learning techniques for 5/6- G enabled health care applications", Journal of Health care Engineering, Web of Science, Q2 Journal, Accepted.

Publications in International Conference:

1.   Randomized Algorithms: On the Improvement of Searching Techniques using Probabilistic Linear Linked Skip Lists, ICAdC-2012, International Conference at MSRIT Bangalore.

2.   "SRAAM: Secure Resource Access Authentication Mechanism using user-device credential Hybridization in Cloud environment", International Conference on Data Engineering and Communication Systems (ICDECS – 2015), RNS Institute of Technology, Bengaluru.

3.   IFCS: Integrated Framework for Cloud Security for Enhanced Data and VM security, International Conference on Smart Technologies in Computer and Communication (SmartTech-2017), Amity University, Jaipur.

Paper Publications in National Conference:

1. "A case study on Next Generation Cloud Computing with 10 GbE", National Conference at KGiSL Institute of Technology, Coimbatore, April 2, 2011

2. "3-L Security for ATM system using GSM Modem and Dynamic Key", National Conference at KGiSL Institute of Technology, Coimbatore, March 30, 2012

3. "Cloud Storage Auditing with Key Exposure Resistance", National Conference On Advances in Computing Technology, NCCT-2016, KSSEM, Bengaluru.

4. "Truthful Detection of Malicious Nodes in Wireless Ad Hoc Networks", National Conference on Advances in Computing Technology, NCCT-2016, KSSEM, Bengaluru.

5. "Development of a Hybrid Framework to Improve Security for Personal Health Records (PHR) using Attribute based Encryption", National Conference on Advances in Computing Technology, NCCT-2016, KSSEM, Bengaluru.

6. "Design and Implementation of Key Value Store Using Log-Structured B+ Tree Over Local File System", National Conference on Advances in Computing Technology, NCCT-2016, KSSEM, Bengaluru.

7. "Cloud Web-Based Operating System", National Conference on Computing Technology, NCCT-2015, KSSEM, Bengaluru.

8. "Efficient Association Rule Mining in Distributed Databases with Security Measures- A Review", National Conference on Computing Technology, NCCT-2015, KSSEM, Bengaluru.

9. "A Survey on Load Distribution for Multiple Server Processors with AES Across Cloud", National Conference on Computing Technology, NCCT-2015, KSSEM, Bengaluru.

10. "Review on Providing Security for NoSQL Data in Cloud", National Conference on Computing Technology, NCCT-2015, KSSEM, Bengaluru.

Awards/Membership/Other Information

- Life member of Indian Society for Technical Education (ISTE) LM41428.
- Presented a talk on "Virtualization & Cloud Computing" at KGiSL Institute of Technology, Coimbatore
- Has chaired a session in National Conference at KGiSL, Coimbatore.
- Received "Teacher of the Semester" award for the academic year 2010 – 2011 at KSSEM.
- Received "Teacher of the Semester" and "Teacher of Excellence" award for the academic year 2011–2012, 2012-2013, 2013-2014, 2014-2015 and 2015-2016, KSSEM.
- Received **"Certificate of Appreciation" from NPTEL** for Feb. to March 2018 courses.

Academic Activity

INTERACTION WITH OUTSIDE WORLD:

1. Reviewer:

- **Reviewed papers for Journals:**
✓ Journal of The Institution of Engineers (India): Series B (IEIB)

2. Question paper setter for NMIT, BMSCE, RVCE and DSCE that are autonomous colleges

Faculty Development Activity

WORKSHOPS/SEMINARS/SYMPOSIUMS ATTENDED:

- Attended One Week AICTE–VTU Joint Teachers Training Programme On "Introduction to Python Programming & its Applications" from 19th to 23rd June 2023

- Attended 2-day National Conference on "Transformative Challenges in Teaching-Learning of HEIs as per the NEP – 2020", organized by IQAC, JAIN (Deemed-to-be University) and sponsored by NAAC on 14th and 15th December 2022 at School of Sciences, JAIN (Deemed-to-be University), Bengaluru

- Attended online IP Awareness/Training Program under National Intellectual Property Awareness Mission, Organized by VTU on 10-02-2022

- Attended 5-day FDP on "ICT Tools for Innovative Teaching and Learning Process", organized by the Department of Information Science and Engineering, RVITM, Bengaluru from 28-03-2022 to 1-04-2022

- Attended 3-Day Faculty Development Program on "ANDROID MOBILE APPLICATION DEVELOPMENT", organized by the Department of Computer Science

and Engineering & Information Science and Engineering, in association with CSI Student Chapter and Kaiten Software Solutions, RVITM, Bengaluru from 04-04- 2022 to 09-04-2022

- Attended 2-day workshop on "Skill Development Programme on IoT", organized by the Department of Computer Science and Engineering, RVITM, Bengaluru from 10/05/22 – 11/05/2022.

- One day Workshop on "Linux" organized by the Teaching Learning Centre, ICT at IIT Bombay, K S School of Engineering and Management, Bengaluru, 23 August 2019.

- One day Workshop on "Python" organized by the Teaching Learning Centre, ICT at IIT Bombay, K S School of Engineering and Management, Bengaluru, 22 June 2019.

- FDP on "Big Data and Machine Learning", BMS College of Engineering, Bengaluru, 11 – 15 June 2018.

- FDP on "Data Structures with C AND PYTHON", KSSEM, 12- 16 July 2016.

- FDP on "Electronics circuits and Logic design laboratory", KSSEM, 8 - 10 July 2015.

- FDP on "Big Data Analytics" sponsored by VTU- VGST at KSSEM, 19 - 22 May 2014.

- Workshop on "Research Methodologies and LaTex" sponsored by VTU, KSSEM, 20 – 22 Feb 2014.

- FDP on "Research Methodologies" by Dr. S. N. Sridhara, Principal/Director, KSSEM and Dr. M. Aswatha Kumar, Professor, Dept. of CSE, KSSEM, 30th Jan2014.

- FDP on "Big Data Analytics" at SJBIT, 27 – 31 Jan 2014.

- FDP on "Teaching and Learning Methodologies" by Dr. S. N. Sridhara, Principal/Director, KSSEM, 29 – 31 July 2013.

- FDP on "Teaching and Learning Methodologies", by Dr. S. N. Sridhara, Principal/Director, KSSEM, 22-24 Jan 2013.

- One day workshop on cloud foundry at palace ground Bangalore organized by VMware in September 2012

- FDP on "Teaching and learning Methodologies" by Dr. S. N. Sridhara, Principal/Director, KSSEM, 20-22 July 2011.

- Two days National workshop "On cloud computing WCC 2011" at Cambridge institute of Technology, Bangalore, 23rd and 24th Feb 2011.

- FDP on "Teaching and Learning Practices, Research Methodology and Writing Project Proposals, K.S.I.T, Bangalore, 24-25 January 2011.

- FDP on "Teaching and Learning Methodologies", 2011 organized by KSIT, Bangalore.

- Workshop on "Introduction on demand, 2009" conducted in association with BITES by IBM.

- Workshop on "Recent technologies in Microsoft", organized by BITES, 2008.

- Deciding the subjects of BE Computer Engineering, University of Pune, July 2003.

WORKSHOPS/SEMINARS/SYMPOSIUMS/TECHNICALTALKS ORGANIZED:

1. Organized Technical Talk on "Virtualization and Local Cloud as a Service(LCaaS)" on 25- 05-2022, at RVITM Bengaluru.

   Resource Person: Mr. Jitesh, Sr. Manager, Mr. Santhoshbabu J, Team Leader and Ms. Bhavya, Software Engineer, VMWare India Pvt Ltd, Bengaluru

   Target Audience: 6th Semester Students of all Branches

2. Organized Workshop on "Blockchain: Crypto-Currency and NFT", on 29-04-2022, at RVITM, Bengaluru

   Resource Person: Dr. Rajendra Hegadi, Associate Professor, Department of Data Science and Intelligent Systems IIIT, Dharwad.

   Target Audience: 6th Semester students of CSE & ISE

3. Coordinated for "World Intellectual Property Day and Inauguration of IPR Cell", on 26-04-2022, at RVITM, Bengaluru.

   Resource Person: Dr. M Uttara Kumari and Dr. Kendaganna Swamy S, RVCE, Bengaluru Target Audience: Staff of RVITM

4. Coordinated for Smart India Hackathon (Internal Hackathon), on 12-04-2022, at RVITM, Bengaluru

   Chief Guest and Jury Members: Mr. Sameera S Kashyap, Software Engineer @ FrontRow, Ms. Roopashree, Jain University and Mr. Pradeepkumar G H, IBM

5. Organized Two-day Workshop on "Advanced WebApp Full Stack Development" from 08- 04-2022 to 09-04-2022, at RVITM, Bengaluru

   Resource Person: Mr. Kotresh M, Director, Indian-Tech Keys, Bengaluru Target Audience: 6th Semester CSE and ISE Students

6. Coordinated for International Conference on Expert Clouds and Applications (ICOECA) – 2022, on 03-02-2022, at RVITM, Bengaluru

7. Organized Five-Day Webinar series on "Leading Edge in Industrial Practice" from 10 – 14 August 2020 at KSSEM, Bengaluru.

8. Organized Webinar on "Importance of design and Web Technology", 8th August 2020.

9. Coordinated BITES workshop on "Learn2Learn" and "Design Thinking" at K S School of Engineering and Management, Bengaluru, 19th July 2019 and 23rd September – 25th September 2019.

10. Coordinated IBM Workshop series for 6th semester, PG-CSE, CNE students at RVCE, February - April 2018.

11. Coordinated IBM IoT Hackathon at RVCE, March 2018.

12. Publications committee member for 2nd International IEEE conference CSITSS 2017, RVCE, December 2017.

13. Coordinated for the BOE Lab Allotment work thrice for UG and PG level.

14. Coordinated for VTU valuation Centre at KSSEM.

15. Organized National Conference at KSSEM.

16. Organized Industry Visit to CISCO and INFOSYS, Mysuru.

17. Organized various Guest Lectures from Resource Persons of Industry.

Administrative Activity

- Worked as HoD, Department of CSE at K S School of Engineering and Management from 24/04/2019 to 31/08/2020

- Worked as PG Coordinator at KSSEM
- Worked as Cultural Coordinator for intercollegiate events.
- Worked a Chief Editor for the annual newsletter "PRAGATHI" at KSSEM

- Worked as a Member of the following committees:
    - Anti-Ragging Cell
    - Anti-Sexual Harassment Cell
    - Tobacco Free Campus Cell

Professional Membership

1. **ISTE** (Indian Society for Technical Education); Life Membership No: LM41428

Contact Details

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Associate Professor,
Department of Information Science & Engineering
Dayananda Sagar Academy of Technology & Management
Udayapura, Kanakapura Road
Bengaluru-560082
Mail ID: veena-ise@dsatm.edu.in

Phone No.: **+91 9980098167**

My Vision

To pursue a challenging and growth-oriented career with my technical and interpersonal skills thereby excelling in domain and hence serve the organization to the best of my abilities.