

# Faculty Profile

## Personal Information

- **Name:** Dr. Satish Basavaraj Basapur
- **Designation:** Associate Professor
- **Department:** Computer Science and Engineering
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Google Scholar : <https://scholar.google.com/citations?user=5n2iPIIAAAAJ&hl=en>

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## Domain of Expertise

- UNIX Systems
- Computer Networks
- Full Stack Web Development
- Cloud Computing
- Big Data Technologies
- C, C++, Python, Shell Scripting (Bash), Perl

## Research Focus

- **Primary Area:** Privacy-Preserving Data Analytics in Cloud Computing
- **Allied Areas:** Data Security and Privacy Protection.

## Academic Qualifications

- **Ph.D.:** [Computer Science & Engineering], [Visvesvaraya Technological University, Belagavi], [2023]
- **M.Tech :** [Computer Network Engineering], [BMS College of Engineering Bengaluru ], [2010]
- **B.E. :** [Computer Science and Engineering], [Bapuji Institute of Engineering and Technology ], [1999]

## Professional Experience

Experience			
Sl. No	Institute/College/Industry	Job Title	Duration (From- To)
1.	<b>RV Institute of Technology and Management.</b>	Associate Professor	Oct 2025 – Till Date
2.	<b>Dr. Ambedkar Institute of Technology.</b>	Assistant Professor	Nov 2008 – Oct 2025.
3.	<b>Vivekananda Institute of Technology.</b>	Lecturer	May 2001 – Nov 2008.

## Publications & Patents

### Journal Publications (*Journal Articles Q2,Q3,Q4*)

1. Title: A Hybrid Cryptographic Model Using AES and RSA for Sensitive Data Privacy Preserving. Journal: Webology. ISSN: 1735-188X. Volume: 18. Page: 129. Quartile:Q3
2. Title: DistilBERT-CNN-LSTM Model with GloVe for Sentiment Analysis on Football Specific Tweets. Journal: IAENG International Journal of Computer Science. ISSN: 1819-656X / 1819-9224. Volume: 49(2). Quartile: Q3.
3. Title: Constraints-Relaxed Functional Dependency based Data Privacy Preservation Model. Journal: Engineering Letters. ISSN: 1816-093X / 1816-0948. Volume: 31(1). Quartile: Q4.
4. Title: S-CPM: Semantic-Similarity Cluster based Privacy Preservation Model. Journal: Journal of Computer Science. ISSN: 1549-3636. Volume: 18(3). Page: 138-150. Quartile: Q3
5. Title: BacilliFinder: Revolutionizing Tuberculosis Detection. Journal: Indian Journal of Tuberculosis. ISSN: 0019-5707. Quartile: Q2.
6. Title: Preserve data-while-sharing: An Efficient Technique for Privacy Preserving in OSNs. Journal: International Journal on Recent and Innovation Trends in Computing and Communication. ISSN: 2321-8169. Volume: 11(9). Page: 3341. Quartile: Q3.
7. Title: Latent Feature-Based Trust-Aware Model for Service Delegation in Social Internet of Things (SIoT). Journal: Journal of Computer Science. ISSN: 1549-3636. Volume: Not available. Page: Not available. Quartile: Q3.
8. Title: SEGC-PP: Structure Entropy-Based Graph Clustering Algorithm for Privacy Preservation in Social Internet of Things. Journal: International Journal of Information and Computer Security. ISSN: 1744-1765 / 1744-1773. Volume: 23(3). Page: 227-270. Quartile: Q3.
9. Title: Latent Feature-Based Trust-Aware Model for Service Delegation in Social Internet of Things (SIoT). Journal: Journal of Computer Science. ISSN: 1549-3636. Volume: 21. Page: 2834-2849. Quartile: Q3

### Journal Articles ( Indexed )

1. Generic Language Learning Automation. International Journal for Scientific Research and Development .
2. Prediction Algorithm Design for Disease Learning Extensively. International Journal for Scientific Research and Development .
3. Big Data Processing using Virtual Machines in Smart Cities Environment. International Journal for Scientific Research and Development .
4. A Semantic Search Method for Large Scale Storage Systems in Cloud. International Journal of Scientific Engineering and Technology Research .
5. Integration of Multi-Server for Profit Maximization with Guaranteed QoS in Cloud Computing. International Journal of Scientific Engineering and Technology Research.
6. Data Security Issues and Challenges in Cloud Computing and Data Integrity for Cloud Computing Security. International Journal of Science, Engineering and Technology .
7. Securing Software as a Service Model of Cloud Computing. International Journal of Research in Engineering and Technology.

## Conference Papers( Proceedings)

1. Title: Attribute Assailability and Sensitive Attribute Frequency based Data Generalization Algorithm for Privacy Preservation. Journal/Conference: International Conference on Forensics, Analytics, Big Data and Security (FABS). ISSN/ISBN: 978-1-6654-2005-1. Volume: 2021 Conference Proceedings.
2. Title: BoneSegNet: Enhanced 2D-TransUnet Model for Multiclass Semantic Segmentation of X-Ray Images of Human Hand Bone. Journal/Conference: IEEE North Karnataka Subsection Flagship International Conference (NKCon 2024). ISSN/ISBN: 979-8-3503-6456-9. Volume: 2024 Conference Proceedings.
3. Title: PD-UHD Features: Phishing Detection Approach using Uncooked URL, HTML Content and Domain Name Features. Journal/Conference: 2024 Second International Conference on Networks, Multimedia and Information Technology (NMITCON). ISSN/ISBN: 979-8-3503-7289-2. Volume: 2024 Conference Proceedings.
4. Title: CRipS: Coconut Ripeness Stage Detection System. Journal/Conference: 2023 International Conference on Network, Multimedia, and Information Technology (NMITCON). ISSN/ISBN: 979-8-3503-0082-6. Volume: 2023 Conference Proceedings.
5. Title: Deep Learning based Automated Wheat Disease Diagnosis System. Journal/Conference: 2023 International Conference for Advancement in Technology (ICONAT). ISSN/ISBN: 978-1-6654-7517-4. Volume: 2023 Conference Proceedings

## Books/Book Chapters

1. **UNIX and Shell Programming with ISBN 978-93-6013-349-8 .**
2. **UNIX and System Programming with ISBN 978-93-6013-450-1.**

## Patents **[Filed / Published / Granted]**

1. Two Way Smart Communication Between Physically Challenged and Normal People (2021)
2. IOT Based Intelligent Shopping System (2022)
3. An automated computer vision-based system and method for detection of tuberculosis.(2024)

## **R & D Grants & Consultancy Projects Completed**

### **Research Projects**

1. Received a KSCST grant of Rs.4000 for the project titled “Smart Robotic Arm” during 2016.
2. Contributed to the Dr. AIT MIS initiative as a consultancy project, delivering insights and supporting system development.

## **Professional Memberships**

1. Cryptology Research Society of India-Life Time Member
2. ISSS (Institute for Smart Structures and Systems)-Life Time Member
3. IE(Institution of Engineers)-Life Time Member
4. IEEE Member

## Awards & Recognitions

- Received Best Paper award titled “**BoneSegNet: Enhanced 2D-TransUnet Model for Multiclass Semantic Segmentation of X-Ray Images of Human Hand Bone**” at the *IEEE North Karnataka Subsection Flagship International Conference*

## Student Supervision

- Undergraduate Research Mentees: 25

## Professional Roles

### Professional Highlights and Achievements:

1. Reviewer for various IEEE International conference and National Conference.
2. Authored a Textbook on “UNIX and Shell Programming with ISBN 978-93-6013-349-8 “ and “UNIX and System Programming with ISBN 978-93-6013-450-1”.
3. Conducted several corporate training programs on UNIX, Tcl/Tk, Perl, Shell Scripting for WIPRO, Iflex Solutions, Emphasis, Syntel, Infosys, etc.
4. Life member of Computer Society of India (CSI), Indian Society for Technical Education (ISTE) organizations.
5. Worked as Valuator for VTU Theory & Practical Examinations from 2003.
6. Worked as BOE Coordinator, BOS Coordinator at Dr.AIT.

## Teaching

### Core Courses:

- UNIX and Shell Programming.
- Data Structures with ‘C’.
- Microprocessors and Microcontrollers.
- Python Programming.
- System Software.
- Java Programming.
- UNIX System Programming.
- Mobile Application Development.
- Advance Java Programming.
- C# Programming and .NET

- Network Management.
- Data Communications.
- Computer Networks.
- File System Forensic Analysis.
- Full Stack Web Development
- Cloud Computing

## **Administration skills**

- Worked as CIE Coordinator for Department & Institution Level.
- Student Branch Counselor for ISE Student Branch.
- Served as BOE Coordinator for Department.
- Served as convener for FDPs/Workshops in the department.

## **External Connect**

### **Invite Talks:**

- (a) Served as Resource person for Advanced UNIX Programming at Global Academy of Technology.
- (b) Trained Several batches on UNIX, Tcl/Tk, Perl, Shell Scripting at WIPRO, Iflex Solutions, Emphasis, Syntel, Infosys, etc