

**Dr. Kiran P**  
Professor and HOD  
CSE Department, RNSIT

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**Google Scholar**

[https://scholar.google.com/citations?user=RgtAE\\_8AA\\_AAJ&hl=en](https://scholar.google.com/citations?user=RgtAE_8AA_AAJ&hl=en)

## Objective

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To work as an academician in a renewed university or research lab on challenging and interesting problems with highly competent visionary researchers. The work should be exciting and motivate me to come up with new ideas, which will influence and make a positive impact on people's life.

## Research Interests

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- Cryptography and PDP
- Randomization methods
- Unix System & Shell Programming
- Anonymization methods in generalization
- Indexing techniques and Design patterns
- Privacy Preserving Data Mining

## Academic Profile

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**Visvesvaraya Technological University, Belagavi**

**2010-2014**

**Doctor of Philosophy (Ph.D), Computer Science.** Research in Privacy Preserving Data Mining with focus on detection of sensitivity patterns. Dissertation on Novel Approach for Preserving Privacy in Data Mining Techniques. Advised by Dr. N P Kavya, HOD-ML & AI. Research Centre @ RNS Institute of Technology, Bangalore.

**Visvesvaraya Technological University, Belagavi**

**2001-2003**

**Master of Technology (M.Tech), Software Engineering,** Sri Jayachamarajendra College of Engineering, Mysore with an aggregate of 77% and secured Third Rank. The Research was on Acoustic Analysis of Speech Signals.

**Kuvempu University, Shivamogga**

**1996-2000**

**Bachelor of Engineering (B.E), Computer Science & Engineering,** Adichunchanagiri Institute of Technology, Chikmangalur, with an aggregate of 71%.

## Teaching Experience

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### Professor and Head

Department of Computer Science, RNS Institute of Technology, Bangalore from 25/9/2020 to till date.

### Associate Professor

Department of Computer Science, RNS Institute of Technology, Bangalore from 01/08/2011 to 24/09/2020.

### Assistant Professor

Department of Computer Science, RNS Institute of Technology, Bangalore from 2/09/2006 to 31/7/2011.

### Lecturer

- Computer Science Dept., RNS Institute of Technology, Bangalore from 22/08/2003 to 2/08/2006.
- Computer Science Dept., Vidya Vardhaka College of Engineering, Mysore from 1/2/2001 to 31/09/ 2003.

## Professional Memberships

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- **Indian Society for Technical Education (ISTE)** - Lifetime Membership-LM39944.
- **Computer Society of India (CSI)**-F8003809

## Corporate Experience

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- Worked as a Corporate Trainer for Data Grid Technologies, Bangalore.
- Worked as a Trainer regarding shell programming, awk and perl scripting in Verizon Software Solution, Chennai.
- Worked as a Corporate Trainer on Scripting Fundamentals, File system, System Programming-process management, signals and Inter- process Communication for Infosys , Mysore.
- Corporate Trainer on Advanced Linux, Networking, Security and Process Management @ Stag Software, Bangalore.
- Corporate Trainer on Introduction to Unix, shell scripting, awk, perl, sed, grep and system administrative commands for CDAC, Bangalore.
- Trainer @ WASE - Wipro Academy of Software Excellence.
- Worked as off Campus Trainer for Birla Institute of Technology and Science, Pilani (BITS Pilani)

## Major Achievements

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- Recipient of RNSIT- Best Teacher Award in 2005 and 2006.
- Authored Text Book titled ” Database Management Systems - A Simplified Approach” for VTU-B.E Students in 2017.

## Subjects Taught

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Database Management System, Computer Graphics & Visualization, Advanced Database Management System, Software Engineering, Operating System, Unix Shell Programming, Unix System Programming, Software Architecture, System Simulation & Modeling. Managing Big Data, Python Application Programming and Big Data Analytics.

## Additional Roles @ RNSIT & Other Institutions

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- **Board Of Examiner**-Member for VTU (August 2017 to July 2018),MSRIT and DSU.
- **Guided 50+ Projects for UG Students and 20+ projects for PG students**
- **Session Chair** for International Conferences-NCCSTM-2019@DSATM, ACCE-2019
- **Workshop Co-Ordinator** for “Programming in C with Data Structure”, July 2014.
- **Coordinator for Campus Connect Program** organized in collaboration with Infosys - Taking Classes for placed students of Infosys from 2012.
- **VTU Theory Examinations Co-Ordinator**-Responsibilities include Allocation of invigilators, Collecting question papers from university and conduction of exam.(2009)

- **Chief Time Table Officer-** Responsibilities included setting of time table for the entire college. Planning of session across departments and Test Time Table Allocation(2006-2009).
- **Test Time Table Officer-** Responsibilities included indication of date for time table and allocation of classes within the department(2004-2005).

#### **Valuation Co-Ordinator for the VTU Examinations-(June 2014).**

- Allocation of answer scripts to the valuator.
- Assigning moderators to valuator
- Allocation of Invigilators.

#### **In charge for conducting online exam for COMED-K (May 2016 and Sep 2020)**

- Allocation of Invigilators.
- Assistance to TCS for assigning Lab.
- Accepting the printed marks list and addressing valuator.

#### **Training and Placement officer @ RNSIT (2015-2020)**

- To look after the training and placement activities of students.
- To have close liaison with industry for placement of students.
- To work in consultation with Coordinator Industry-Institute Interaction for organizing lectures from the professionals from industry.
- To collect feedback from the Companies coming for Placement.
- Arrange Training programs for Soft skills and Interview facing Skills for the students using Institutional and External Expertise.

### **Certifications**

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- Participated in Faculty Readiness Workshop on InfyTQ based Foundation Program”conducted by Infosys Limited @GAT Bengaluru from 22 to 26th July 2019 and has been awarded with A Grade.
- Completed Coursera Certification on ”Using Databases with Python” from University of Michigan on 26/5/2020.
- Completed Coursera Certification on ”Programming Fundamentals” from University of Duke on 13/8/2020.
- Completed Coursera Certification on ” ntrouction to Data Science in Python” from University of Michigan on 13/8/2020

### **Resource Person**

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- Coordinator for Campus Connect Program organized in collaboration with Infosys-Training for Placed Sstudents of Infosys from 2012.
- Delivered Technical talk on “CLIPPING IN 2D“ at Computer Graphics Workshop - July 2014@RNSIT.
- Delivered Technical talk on “PATTERNS AND FILTERS”- Operating System Lab Workshop,Dec 2013@RNSIT.
- Delivered Technical talk on “EDITOR AND UNIX SHELL PROGRAMMING”- In House Workshop, July 2016@RNSIT.
- Delivered Technical Talk on ”Data Structures in Python Programming”-FDP on ”Python Programming” organized by ECE Department on 8-June-2018@ RNSIT.
- Deliverd Technical Talk on ”EM Clustering Algorithm ”- FDP on “Machine Learning”, in association with ISE department on July 19-21, 2018@RNSIT.

## List of Publications

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- Kiran P, S Sathish Kumar and Dr.Kavya N P, A Novel Framework using Elliptic Curve Cryptography for Extremely Secure Transmission in Distributed Privacy Preserving Data Mining. In *Advanced Computing: An International Journal( ACIJ )*, Vol.3, No.2,pp 85-92, March 2012.
- Kiran P, S Sathish Kumar and Dr.Kavya N P, An Extended Conceptual Modeling for ETL Processes in Privacy Preserving Data Mining. In *International journal of Future Computer and communication*, vol. 1, No. 3,pp 264, October 2012.
- Kiran P, S Sathish Kumar and Dr.Kavya N P, Modeling Extraction Transformation Load embedding Privacy Preservation using UML. In *International Journal of Computer Applications (IJCA)*, vol. 50, No. 6, July 2012.
- Kiran P and Dr.Kavya N P, SW-SDF based personal privacy with QIDB-Anonymization method. *International Journal of Advanced Computer Science and Applications (IJACSA)*, vol 3, issue 8, August 2012.
- Kiran P and Dr.Kavya N P,A Survey on Methods, Attacks and Metric for Privacy PPDP, *International Journal of Computer Applications (IJCA)*, vol. 53, No. 18, Sep 2012.
- Kiran P, S Sathish Kumar, Hemanth S and Kavya N P, Assignment of SW using statistical based data model in SW-SDF based personal privacy with QIDB-Anonymization method, In *Proc of second IEEE International conference on Parallel, Distributed and Grid computing Dec 06-08 2012*,pp. 816 - 821.
- Kiran P and Dr.Kavya N P,SW-SDF based privacy preserving data classification, *International Journal of Computers & Technology*, Vol. 4,No. 3, March-April, 2013.
- Kiran P and Dr Kavya N P, SW-SDF based privacy preserving for k-means clustering, *International Journal of Scientific and Engineering Research (IJSER)*,Vol. 4, Issue 6, April 2013.
- Kiran P and Divya K S,PPDM of Multiple Sensitive Attributes, In *2nd international conference on current trends in computer science and engineering ICCTCSE*,21 st March 2014.
- Kiran P and Paul Sudeep, presented paper on Privacy Preserving Data Mining Using Randomized Perturbation, @ *7th National Conference on Advances in IT*, 10 May 2014.
- Kiran P and Paul Sudeep, Privacy Preserving Data Mining Using Cluster Based Randomized Perturbation, *International Journal for Scientific Research and Development*, May 2014.
- Kiran P, Shashank Keshava and Nithin S J, Audience Discovery and Targeted Marketing Using SAP HANA, In *IEEE International Conference on Advance Computing (IACC)*, Page(s):749 - 753 12-13 June 2015.
- Kiran P, Attribute based Encryption with outsourced revocation in cloud computing, In *International Journal of engineering and technology (AIET)*, volume 3, Issue 5, May 2016.
- A N Ramya Shree and Kiran P, Privacy Preserving Mining on Unstructured Data, *IEEE International Conference On Science, Technology, Engineering And Management (ICSTEM-17)* March 3, 2017.
- Patil N S, Kiran P, Kavya N P, Naresh Patel K M, “A survey on graph Database management techniques for huge unstructured data”, *International Journal of Electrical and Computer Engineering*. ISSN: 2088-8708, Vol. 8 No. 2, April 2018, pp.1140~1149

- Patil NS, Kiran P, Preethi B, “A Computational Modeling for Knowledge Binding of the Unstructured Web Data”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-2S, December, 2019.
- Ms. Ramya Shree A N , Dr. Kiran P, “Privacy Preserving Unstructured Data Publishing approach for Big Data” , International Journal of Computer Applications (IJCA), ISSN 0975-88,87Vol- 28, June, 2019.
- Ms. Ramya Shree A N , Dr. Kiran P, “QAUE-Quasi Attribute Utility Enhancement - A Hybrid Method for PPDP” , International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2S, December, 2019.
- Ms.Akshatha B, Dr. Kiran P "Analysis on detection of Rumors on online Social network" presented at 3rd International Conference on Data Engineering and Communications Systems, Dec, 2019.
- Naresh Patel K M, P Kiran, “Pre-processing Methods for Unstructured Healthcare Text Data”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-2S, December,2019.

## **FDP /Workshops/Technical Talks**

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- Workshop on “ Computer Graphics and Visualization”, 4-days at RNSIT, Bangalore (28<sup>th</sup> – 31<sup>st</sup> Jan 2009)
- Workshop on “Programming the Web and S/W Architecture”, 4-days at RNSIT, Bangalore (27-30th July 2009)
- One-day workshop on SFD-Software Freedom Day, 23rd Sep 2008, Student Coordinator – Vittal P, RNSIT, Bangalore
- One-day workshop on Web 2.0, the latest trends in web technology, Open Source Content Management System (CMS), and Sun SPOTs, 28rd Feb 2009, Student Coordinator – Vittal P, RNSIT, Bangalore
- 4-days Workshop on HARDWARE Trouble Shooting AND NETWORKING, July 5-8, 2010,for the benefit of Technical Support Staff of VTU affiliated Engg. Colleges
- Expert Technical Talk on “Cloud and Grid Computing “by Dr. Rajkumar Buyya, Director, cloud computing & Distributed Systems , The university of Melbourne, Australia, CEO, Manjra soft Pty Ltd, Melbourne, Australia for the benefit of research scholars and faculty members, under R&D activity, 18/12/2009 , RNSIT
- Expert Technical Talk on “Research Methodology “ by Dr. Venugopal K R, Principal, UVCE, Bangalore for the benefit of research scholars and faculty members, under R&D activity, 18/12/2009 , RNSIT
- Two-days’ workshop on Android Mobile Operating systems, April 21st -22nd , 2011, at RNSIT
- One-day Workshop on Concepts of Parallel Programming and OpenMP, Feb 24, 2011, at RNSIT,
- Invited Talk on Research Opportunities in Optimization Techniques, Sep 29, 2011, Prof. Y Narahari, Professor and Chairman, CSA, IISc, Bangalore
- Invited Talk on “Why should we study Compiler Design”, Sep 22, 2011, Prof. Y N Srikanth, Professor, CSA, IISc, Bangalore
- 1<sup>st</sup> International Conference on Data Engineering & Communication Systems, ICDECS-2011, RNSIT, Dec 30-31, 2011 at Vivanta by Taj, Bangalore.

- One day Workshop on Creating Animation using Computer Graphics and Visualization Techniques by Ganga Prasad, Sr. Scientist, CDAC, Bangalore, under CSI Students Chapter, 25th Feb 2012, RNSIT
- FDP on System Software & Operating System Lab, RNS Institute of Technology, 30–31st July 2012
- Workshop on Ethical Hacking “Hack-Mania-2012, 30-31, Aug 2012 @ RNSIT
- FDP on Software Testing Laboratory, , 21-22nd Jan 2013 @ RNSIT.
- FDP on Problem Solving in C and Data Structures, 24th -25th July 2014, RNSIT.
- Haptics - learn to build Robot 19th -20th Sep 2014, RNSIT
- An expert talk on “Empires of the future” by Mr. Manuel, 26th September 2014, RNSIT
- 2nd International Conference on Data Engineering & Communication Systems, ICDECS-2015, RNSIT, Dec 28-29, 2015 at RNSIT, Bengaluru
- Training programs for students on Oracle and Java certification programs through Ethnotech Ltd. July-2016 to June 2017
- Expert/guest lecture organized in association with BITES and CSI, BITES distinguished lecture “AI and its Applications” by Dr Srinivas Padmanabhuni on 10/8/2016
- 3-day In-house FDP on “Fundamental and Advanced Concepts of UNIX OS”, July 20-22, 2016
- A one week FDP on Computational Data Science held at Department of ISE, JSSATE, Bengaluru from 16th to 21st January 2017.
- 2-day FDP on “Microprocessors and ARM Programming, OOP with Java”, Jan 29-30, 2017
- A Two Days Workshop on Big Data Engineering :Education, Research and Innovation held on 18th to 19th April, 2017 @ IIIT-B, Bengaluru
- 3-day In-house FDP on “Database Application Development using Python/Java”, in association with ISE and MCA departments, July 20-22, 2017
- 3-day In-house FDP on “Machine Learning”, in association with ISE department, July 19-21, 2018
- 3-day In-house FDP on “Web Technology and Applications”, in association with ISE department, July 23-24, 2018
- A TEQIP Sponsored One Day Workshop on AICTE New Model Curriculum for PG Courses (MBA/MCA/M.Tech) & CBCS Detailed Syllabus as per Outcome Based Education (OBE) format including Course Outcomes (CO) and Bloom’s Taxonomy” Organized by VTU, Belagavi, held on 06/08/2018 @ BNMIT, Bengaluru.
- International Conference on Data Engineering & Communication Systems, (ICDECS2019), organized by Departments of CSE and ISE, 19th and 20th Dec 2019 at RNSIT.
- Participated in the 4th IEEE International Conference –ICECA-2020 on 5th, November, 2020 @ RVS Technical Campus, Coimbatore, India.
- Augmentation Talk on “Linux Network Stack: An Overview” on 7/11/2020 by Dr. Mohith P Tahiliani, Asst. Professor, NITK, Suratkal, Karnataka
- Invited Motivational Talk on “Failure - a friend in disguise” on 9/11/2020 by Mrs. Arathi V B, Founder Head, Vibhu Academy, Bengaluru.
- Invited Motivational Talk on “Decoding the Mind Magic in Uncertain Times” on 11/11/2020 by Mrs. Sreekala Raghudeep, State Youth Co-Ordinator, AOL and Corporate Leader.